

**THE PANAMA CANAL RECORD**

---

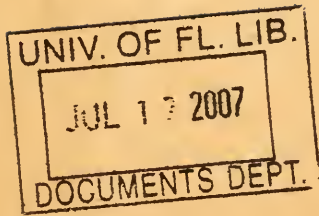
**VOLUME 33**

*Gift of the Panama Canal Museum*

1910  
1911


99-1-932(c1)

W79.5: v.33









Digitized by the Internet Archive  
in 2010 with funding from  
Lyrasis Members and Sloan Foundation







# THE PANAMA CANAL RECORD

PUBLISHED MONTHLY UNDER  
THE AUTHORITY AND SUPER-  
VISION OF THE PANAMA CANAL

AUGUST 15, 1939 TO JULY 15, 1940

---

---

VOLUME XXXIII  
WITH INDEX

---

---

THE PANAMA CANAL  
BALBOA HEIGHTS, CANAL ZONE  
1940

THE PANAMA CANAL PRESS  
MOUNT HOPE, CANAL ZONE  
1940

For additional copies of this publication address The Panama Canal, Washington, D.C., or Balboa Heights, Canal Zone. Price of bound volumes, \$1.00; for foreign postal delivery, \$1.50. Price of current subscription, \$0.50 a year, foreign, \$1.00.

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.

*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXIII Balboa Heights, C. Z., August 15, 1939 No. 1

## Traffic Through the Panama Canal in July 1939

The total vessels of all kinds transiting the Panama Canal during the month of July 1939, and for the same month in the two preceding years, are shown in the following tabulation:

	July 1939			July	
	Atlantic to Pacific	Pacific to Atlantic	Total	1938	1937
Ocean-going commercial traffic.....	268	217	485	429	457
Small commercial vessels <sup>1</sup> .....	44	34	78	80	62
Noncommercial vessels:					
United States Government.....	26	18	44	23	44
Colombian Government.....				4	1
For repairs.....				3	1
<b>Total.....</b>	<b>338</b>	<b>269</b>	<b>607</b>	<b>539</b>	<b>565</b>

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement

## OCEAN-GOING COMMERCIAL TRAFFIC <sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the 12-month period ended July 31, 1939, as compared with the 12-month period ended July 31, 1938:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1938-9	1937-8	1938-9 <sup>3</sup>	1937-8 <sup>4</sup>	1938-9	1937-8	1938-9	1937-8
August....	468	505	2,177,699	2,402,000	2,171,674	2,780,603	\$1,890,050.74	\$2,195,308.87
September..	438	444	2,005,241	2,139,000	1,998,464	2,385,142	1,741,895.46	1,935,673.78
October....	494	461	2,276,194	2,182,000	2,359,673	2,438,788	1,977,706.76	1,981,087.87
November..	505	435	2,302,333	2,110,000	2,223,830	2,185,283	1,984,014.72	1,893,462.00
December..	509	439	2,336,011	2,070,000	2,374,395	2,046,170	2,031,017.04	1,845,045.20
January....	525	444	2,380,916	2,053,000	2,393,360	2,095,402	2,062,454.16	1,837,894.72
February..	501	436	2,282,318	1,993,000	2,206,963	1,998,827	1,996,735.66	1,786,611.45
March....	553	506	2,586,880	32,311,526	2,664,068	2,268,548	2,282,156.28	2,015,585.34
April.....	496	487	2,278,326	32,258,836	2,472,504	2,279,235	1,999,851.16	1,961,456.58
May.....	506	465	2,341,894	32,150,228	2,538,949	2,309,171	2,053,502.16	1,886,825.66
June.....	479	445	2,268,679	32,064,793	2,437,087	2,122,389	1,977,431.94	1,801,291.78
July.....	485	429	2,254,398	31,933,816	2,317,697	2,025,660	1,974,380.72	1,694,205.00
<b>Total..</b>	<b>5,959</b>	<b>5,496</b>	<b>27,490,589</b>	<b>25,668,199</b>	<b>28,158,664</b>	<b>26,935,218</b>	<b>23,941,196.80</b>	<b>22,834,451.25</b>

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons and over, Panama Canal measurement.

<sup>3</sup> Panama Canal net tonnage as figured under rules which became effective March 1, 1938.

<sup>4</sup> Estimated tonnage under rules which became effective March 1, 1938.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons (Panama Canal measurement), which transited the Panama Canal during the month of July 1939. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic.

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	<sup>5</sup> 44	1,320	\$1,806.04	341
Pacific to Atlantic.....	34	1,464	1,294.56	1,511
<b>Total.....</b>	<sup>5</sup> 78	<b>2,784</b>	<b>3,100.60</b>	<b>1,852</b>

<sup>5</sup> Includes 4 naval vessels with a total of 1,532 displacement tons.

Traffic by Nationality of Vessels<sup>6</sup> for July 1939

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British	109	584,063	\$505,561.86	504,398
Chilean	2	10,029	9,026.10	3,729
Danish	18	79,260	69,755.76	78,374
French	9	37,048	33,343.20	32,460
German	28	115,591	104,031.90	120,368
Greek	12	58,539	49,150.08	58,302
Honduran	4	6,486	5,837.40	3,247
Italian	4	25,685	23,116.50	19,045
Japanese	21	121,284	107,912.70	146,992
Netherlands	28	75,267	67,478.40	78,729
Norwegian	46	218,243	188,137.62	253,033
Panamanian	21	45,012	37,423.44	42,450
Philippine	1	4,805	4,324.50	2,622
Soviet	7	10,449	12,221.60	14,356
Swedish	14	65,689	56,727.54	111,897
United States	152	761,900	670,390.74	806,142
Yugoslav	8	35,048	29,941.38	41,553
Total	485	2,254,398	1,974,380.72	2,317,697

<sup>6</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement. <sup>7</sup> Includes 3 naval vessels of 5,635 displacement tons.

## Traffic by Trade Routes for July 1939

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo is frequently laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	60	295,230	204,514	53	271,770	369,608
East coast United States and:						
Canada	1	2,707	3,905			
Central America/Mexico	4	6,409	8,027	3	4,824	1,054
South America	17	70,865	15,555	16	70,732	178,212
Hawaiian Islands	3	13,115	7,375	6	29,520	52,478
Australasia	6	30,989	34,350			
Philippine Islands	12	65,418	60,249	12	65,845	88,486
Far East	25	124,833	193,748	4	24,256	18,226
Canada intercoastal	2	9,753	7,736	1	5,471	8,677
East coast Canada and:						
United States	3	20,168	17,052			
Australasia	3	19,591	14,821	3	16,716	9,709
Philippine Islands	3			1	5,218	8,270
Far East	2	9,069	14,593			
Central America/Mexico intercoastal	1	6,264	12,227			
South America intercoastal	5	6,606	3,339	2	6,676	
East coast South America and:						
United States				1	4,551	5,580
Canada	1	4,070	3,168			
Philippine Islands				1	5,425	10,327
Far East	2	10,348	10,625			
Cristobal and:						
Central America/Mexico	5	3,438	3,580	4	2,692	3,102
South America	17	10,618	5,071	17	11,458	7,642
West Indies and:						
United States	4	23,323		7	41,713	82,523
Canada	1	2,965	4,000			
South America	4	16,596	12,809			
Balboa	2	7,352	13,019	1	1,455	
Europe and:						
United States	10	48,059	21,215	8	35,976	57,246
Canada	43	235,969	40,866	33	171,589	267,462
South America	15	82,988	41,239	28	150,669	221,063
Hawaiian Islands	1	3,675	3,521			
Australasia	8	61,998	31,787	12	83,231	88,522
Far East	5	10,449	14,356	3	16,165	20,934
Egypt and South America	1	4,273	974			
Around the world	2	14,636	7,172	1	6,672	7,683
Vessels not engaged in commerce	8 <sup>3</sup>					
Total	268	1,221,774	810,893	217	1,032,624	1,506,804

<sup>3</sup> Naval vessels.

### Origin and Destination of Cargo by Major Areas, July 1939

The following table summarizes the origin of cargo passing through the Canal in July 1939, and its destination by major geographical trade areas:

#### ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States .....	209,787	17,664	259,402	14,494	37,255	538,602
Other North America .....	20,590	43,379	9,043	28,224	11,930	113,166
Europe .....	42,604	19,057	14,356	32,039	31,046	139,102
Miscellaneous .....	4,929	241	10,462	3,664	727	20,023
Total .....	277,910	80,341	293,263	78,421	80,958	810,893

#### PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States .....	365,216	91,373	131,014	6,936	594,539
Canada .....		7,233	191,044	4,064	202,341
Other North America .....	53,137	3,497	1,525		58,159
South America .....	176,309	10,694	219,812	102	406,917
Australasia .....	4,912	4,992	88,327		98,231
Asia .....	121,418	2,906	20,036	2,257	146,617
Total .....	720,992	120,695	651,758	13,359	1,506,804

### Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more tons either during July 1939 or July 1938 are listed below:

Commodity	July		Commodity	July	
	1939	1938		1939	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts .....	22,356	17,813	Coffee .....	9,851	14,465
Cement .....	11,350	9,951	Cold storage (food products) <sup>9</sup> .....	28,943	27,616
Coal and coke .....	17,819	9,035	Copra .....	16,352	9,643
Cotton, raw .....	8,844	13,663	Cotton, raw .....	13,226	14,113
Iron and steel .....	120,956	115,869	Flour .....	5,502	13,718
Machinery .....	15,968	11,972	Fruit, dried .....	13,020	17,134
Manufactured goods .....	22,366	14,400	Fruit, fresh <sup>10</sup> .....	9,916	36,379
Metals, various .....	13,397	21,844	Lumber .....	281,763	212,388
Oils, mineral .....	80,650	61,501	Metals, various .....	47,942	62,851
Ores .....	23,800	2,074	Nitrate .....	107,671	80,714
Paper and paper products .....	25,407	34,936	Oils, mineral .....	232,310	239,454
Phosphate .....	38,871	2,697	Oils, vegetable .....	9,469	10,781
Scrap metal .....	110,596	67,898	Ores .....	163,671	193,902
Sulphur .....	26,931	13,690	Phosphate .....	35,948	8,006
Tinplate .....	23,095	13,722	Potash .....	11,138	3,726
<i>Pacific to Atlantic</i>			Soy beans .....	10,216	24,823
Asphalt and tar .....	11,573	11,110	Sugar .....	146,209	125,818
Barley .....	10,543	24,319	Wheat .....	120,752	45,709
Beans, edible, dry .....	7,441	16,341	Wood pulp .....	19,894	14,376
Canned food products .....	64,728	71,164	Wool .....	10,172	8,652

<sup>9</sup> Except fresh fruit. <sup>10</sup> Except bananas.

### Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of July 1939, as reported in the cargo declarations showing the movement by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts				431
Agricultural implements	455	49	1,948	60
Alfalfa meal		469	142	534
Ammonium compounds	239		5,579	
Animal foods <sup>11</sup>	75	54	99	54
Apparel, wearing (hats, shoes, clothing, etc.)	102		102	37
Asbestos	727		4,524	1
Asphalt and tar	333	10,964	5,347	11,573
Automobiles (and autotrucks)	3,160	2	12,346	11
Automobile parts and accessories	877	117	10,010	155
Bags and bagging, textile	322	93	611	93
Bamboo and products				189
Bananas			10	1,649
Barks, miscellaneous		116		712
Barley				10,543
Beans, edible, dry		3,147	73	7,441
Beer			244	
Blood and tankage			48	408
Bones and bone meal			625	433
Books and printed matter	8		8	
Borax	85	626	325	4,237
Bran and pollards		36	18	985
Bricks and tile	233	17	928	29
Camphor, crude				37
Canned and preserved goods:				
Fish	138	7,012	389	9,075
Fruit	1,681	16,348	1,786	39,942
Meat	73	106	302	904
Milk	30	208	728	296
Soup	2,030	225	2,195	275
Vegetables	128	7,558	157	8,010
Miscellaneous and unclassified	1,673	5,200	2,204	6,226
Carbon black	12		619	100
Celite		400		400
Cement	646		11,350	1
Chalk			1,137	
Charcoal	143		248	
Chemicals <sup>11</sup>	4,197	456	9,949	1,026
Clay, china and fire	1,642	378	3,249	702
Clay, filtering	30	71	95	71
Coal	2,453		13,171	36
Cocoa and cacao beans	365		632	1,039
Coconuts and products <sup>11</sup>	101	1,020	108	2,196
Coffee	333	59	6,718	9,851
Coke	284		4,648	4
Cold storage and refrigerated products:				
Dairy products	61	22	298	9,439
Eggs	32	31	32	732
Fish	15		63	822
Lard			166	8
Meats	31	50	235	17,521
Poultry		201		201
Vegetables	23	62	25	192
Other and unclassified			21	28
Confectionery	1,195		1,200	
Copra		89		16,352
Corn	6,335		6,924	
Cotton, raw	14	306	8,844	13,226
Creosote	11		7,015	
Drugs and medicines	2,220	85	2,684	94
Dyes			177	1
Earthenware	17	18	32	18
Eggs, dried				61
Electrical apparatus and appliances	1,750	440	2,639	522
Enamelware and metalware	643	10	1,022	234
Explosives	58		479	1
Extract, quebracho			743	
Fertilizers <sup>11</sup>	100		2,009	163
Fish, salted or dry-cured				16
Fish meal	10		30	930
Floor coverings	1,892	1,188	2,096	1,368
Flour	366	4,705	6,219	5,802
Fruit, dried		5,294	32	13,020
Fruit, fresh <sup>11</sup>		5,282	9	9,916
Furniture and household goods	527	373	563	376
Gallnuts				112
General	15,344	4,134	47,440	12,367
Glass and glassware	2,027	59	4,958	608
Glue	79	134	79	134
Grains <sup>11</sup>			20	1,188

<sup>11</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Groceries.....	1,811	257	2,955	1,222
Guano.....				4,700
Gums.....		51		72
Hair, all kinds.....	105	91	105	409
Hay.....		549		844
Hemp, unmanufactured.....	2	90	23	2,275
Honey.....		183		251
Hops.....			8	4
Horns and hoofs.....				129
Infusorial earth.....		454		1,145
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	65,070	305	120,956	758
Ivory nuts.....			11	1,606
Jute, unmanufactured.....	4		158	
Lard, substitute.....	499		534	108
Lime.....			359	
Liquors.....	1,654	133	3,492	170
Lumber (including manufactured mill products).....	1,246	127,930	3,307	281,763
Machinery.....	1,948	542	15,968	850
Malt.....			222	
Manufactured goods <sup>11</sup> .....	9,462	2,336	22,366	3,670
Marble and granite.....	31		186	
Matches.....	242	70	285	70
Metals:				
Copper.....	393	4,027	2,720	30,007
Gold and silver.....				69
Iron.....	90		5,252	
Lead.....	89	240	1,340	12,358
Tin.....	594	356	671	666
Zinc.....	146		393	4,756
Other and unclassified.....	449	43	3,021	86
Milk, powdered.....		562		664
Molasses and syrups.....	262		617	1,351
Nitrate.....	5,831	139	7,832	107,671
Nuts, edible (including meats).....			169	74
Oats.....	41		64	6,744
Oils, mineral:				
Crude.....		30,248	6,321	41,415
Gas and fuel.....	2	33,399	33,074	111,307
Gasoline, benzine, and naphtha.....	331	35,952	8,342	69,776
Kerosene.....		661	508	9,323
Lubricating and greases.....	11,168	289	32,216	489
Other and unclassified.....	145		189	
Oils, vegetable:				
Coconut.....		450	80	4,756
Linsced.....	57	76	77	76
Olive.....	23		190	22
Teased.....		12		62
Wood.....			10	680
Other and unclassified.....	103	41	482	3,873
Oil, fish.....	237	759	308	1,663
Oil, whale.....			25	
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....	15	23	1,795	1,392
Oilseed cake and meal.....	1,952		1,952	7,288
Ores:				
Antimony.....				1,518
Chrome.....	400		400	2,000
Copper.....		1,059	17,794	10,904
Gold and silver.....			3	7,489
Iron.....			226	125,150
Lead.....				3,475
Magnesite.....		250		1,260
Manganese.....	2,087	148	2,725	1,125
Tin.....		7		4,597
Zinc.....	45		156	2,831
Other and unclassified.....	18	91	2,496	3,322
Paints and varnishes.....	1,339	209	3,056	268
Paper and paper products <sup>11</sup> .....	10,000	6,589	25,407	7,765
Peanuts.....	543		543	1,505
Peas, dry.....		79		2,087
Peatmoss.....			1,296	
Phosphates.....	340	98	38,871	35,948
Plaster.....	36		322	
Porecelainware.....	327	54	882	2,116
Potash.....		3,586	3,651	11,138
Rags and waste.....	173	81	3,098	402
Railroad material.....	47		9,090	25
Rice.....	324	335	324	2,159
Rope and twine.....	455	64	568	170
Rosin.....	1,469	18	3,416	125

<sup>11</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Rubber:				
Manufactured.....	1,108	241	1,595	256
Raw.....				1,659
Scrap.....	23		3,932	22
Salt.....	179	250	8,305	250
Sand.....	500		4,075	200
Scrap metal.....	63	204	110,596	1,223
Seeds (except oilseeds).....	12	41	149	1,884
Shells, oyster.....	248		248	453
Silk, raw.....		163	1	1,733
Skins and hides.....		1,916	538	5,813
Slag.....			60	
Slate.....	2,270		2,270	
Soaps and products.....	1,937	75	2,267	233
Soda and sodium compounds:				
Soda ash.....	143		637	676
Soda, caustic.....	532		2,614	158
Miscellaneous and unclassified.....	393	1	436	99
Soy beans.....	25		25	10,216
Spices.....	260		307	115
Sugar.....	39	10,538	8,173	146,209
Sulphur.....	13,200	36	26,931	117
Talc.....	27	27	27	121
Tallow.....	37	700	97	3,759
Tea.....	75		215	663
Textiles <sup>12</sup> .....	3,863	54	9,445	2,855
Tinplate.....	4,511	5	23,095	36
Tobacco and manufactures.....	440	97	4,209	416
Toilet preparations.....	483		516	265
Turpentine.....	338		685	
Vegetables, dry <sup>11</sup> .....	2		8	889
Wall board.....	562		1,035	475
Wax, paraffin.....	45	11	606	225
Wheat.....	28	18	280	120,752
Wines.....	136	1,176	797	5,455
Wood pulp.....	1,326	15,485	5,074	19,894
Wool.....	12	4,028	12	10,172
Total, July 1939.....	209,787	365,216	810,893	1,506,804
Total, July 1938.....	174,245	332,803	623,014	1,402,646
Total, July 1937.....	218,973	433,275	1,036,316	1,440,050

<sup>11</sup> Except as otherwise classified. <sup>12</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of July 1939:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	8	49,085	6,278	10	61,059	<sup>14</sup> 111,194
East coast United States and: Hawaiian Islands.....	1	3,753				
Far East.....				1	6,905	
Central America/Mexico intercoastal.....	1	6,264	12,227			
South America intercoastal.....				1	6,224	
West Indies and: United States.....	3	18,799		7	41,713	82,523
South America.....	4	16,596	12,809			
Bahoa.....	2	7,352	13,019	1	1,455	
Europe and: United States.....	4	25,192	<sup>13</sup> 6,993	1	5,137	8,762
South America.....	1	6,719		3	19,429	40,256
Total.....	24	133,760	51,326	24	141,922	242,735

<sup>13</sup> Creosote. <sup>14</sup> Includes 10,934 tons of cutback asphalt.



## Comparison of Canal Traffic in July 1939, with July Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of July			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915	15 160	(000 omitted) 501	(000 omitted) 715	1915	16 100	(000 omitted) 334	(000 omitted) 496
1916	137	445	623	1916	60	184	258
1917	174	514	664	1917	145	447	588
1918	161	459	584	1918	165	506	627
1919	153	472	568	1919	162	472	576
1920	216	791	866	1920	199	659	781
1921	195	749	709	1921	232	879	966
1922	248	1,043	1,211	1922	292	880	907
1923	465	2,136	2,338	1923	325	1,434	1,631
1924	412	1,832	2,097	1924	429	2,016	2,249
1925	403	1,804	1,960	1925	382	1,761	1,996
1926	445	1,992	2,185	1926	424	1,909	2,169
1927	492	2,225	2,449	1927	441	2,020	2,311
1928	492	2,143	2,291	1928	521	2,269	2,468
1929	512	2,282	2,597	1929	524	2,299	2,554
1930	473	2,255	2,401	1930	502	2,310	2,502
1931	394	1,951	1,865	1931	447	2,140	2,089
1932	299	1,549	1,259	1932	364	1,829	1,650
1933	382	1,896	1,698	1933	347	1,758	1,513
1934	394	2,014	1,934	1934	436	2,291	2,050
1935	377	1,883	1,778	1935	432	2,143	2,109
1936	456	2,188	2,450	1936	449	2,160	2,209
1937	457	2,215	2,476	1937	449	2,119	2,342
1938	429	1,934	2,026	1938	460	2,163	2,282
1939	485	2,254	2,318	1939	492	2,254	2,322
				7 mos. cal. yr. 1939.	506	2,342	2,433

<sup>15</sup> Canal opened August 15, 1914.      <sup>16</sup> Average for 10½ months.

### Terminal Activities

Ships repaired during the month of July 1939, numbered 49. Vessels released from drydock numbered 7. Fuel oil amounting to 290,255 barrels was delivered as bunkers to 133 commercial vessels. Bunker coal amounting to 4,772 tons was delivered to 21 commercial ships. Sales of commissary supplies to ships aggregated \$48,088.

### Cargo Handled at Terminal Ports

		Cristobal	Balboa	Total
Local cargo arriving	tons	24,034	14,314	38,348
Local cargo shipped	tons	2,756	1,357	4,143
Cargo received for transshipment	tons	43,298	876	44,174
Cargo transhipped	tons	45,316	859	46,175
"Canal Zone for Orders" cargo:				
Number of receipts issued		8		8
Number of releases issued		29	12	41
Tons received		50		50
Tons withdrawn		37	13	50

### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal..	551	3,334,809	1,987,515	521	3,023,203	18,205,73
Vessels entering port but not transiting Canal.	59	359,166	195,152	9	38,656	23,740
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	168	1,019,506	616,961	129	825,275	497,941
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	555	3,328,896	1,983,098	525	3,020,645	1,818,021
Vessels clearing port but not transiting Canal.	57	360,224	196,232	12	40,855	24,803
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	168	994,251	602,150	128	816,850	492,672

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight July 10, 1939, to midnight August 10, 1939. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

Erria, 13, 0	Breda, 11, 119	Tai Shan, 1,069, 0	Remuera, 60 lbs., 0	Durazzo, 321, 332
Real, 0, 31	Santa Inez, 114, 6	Jamaica, 49, 128	Sambu, 0, 206	Occidental, 1,747, 0
Goyo Maru, 286, 0	West Camargo, 0, 303	Santa Paula, 93, 458	Utacarbon, 1,512, 0	San Diego, 179, 440
Contessa, 553, 482	Laguna, 0, 398	Margaret Lykes, 871, 187½	Commissaire Ramel, 1, 14	Socrates, 83, 730
City of Norfolk, 281, 0	Acajutla, 784, 1,036	Vermont, 121, 0	De La Salle, 91, 352	Nero, 0, 67
Pacific, 35, 394	Emma Bakke, 43, 915	Wyoming, 323, 272	Rufina, 4,112, 0	Cerigo, 874, 120
Trois Ilets, 70, 0	Oropesa, 39½, 13	Caribia, 104, 9	Knute Nelson, 5, 355	Mosfruit, 12, 0
Edwin Christenson, 249, 0	Donau, 40, 282	Nuernberg, 17, 440	San Marcos, 290, 4	Auditor, 234, 0
Santa Barbara, 379, 10½	City of Baltimore, 184, 0	City of Newport News, 123, 0	Veragua, 30, 171	Virgilio, 0, 418
Cadmus, 0, 74	Laurits Swenson, 37, 108	Komaki Maru, 0, 1pkgs.	Steele, 9,997, 0	San Simeon, 1,331, 0
Platano, 814, 8	Dinteldijk, 157, 190	Margaret Johnson, 100, 305	Santa Elena, 167, 368	Antigua, 165, 214
Sagittaire, 1, 0	Real, 0, 51	Sorholt, 69, 0	A. A. Radium, ½, 0	Santa Rosa, 111, 258
Rufina, 4,225, 0	Santa Lucia, 400, 60½	Tuyama Maru, 32½, 0	Canada, 44, 180	Kurama Maru, 456, 0
Hannover, 79, 1,075	Ancon, 2,234, 777	Contessa, 744, 359	Caribia, 28, 833	Osnabrueck, 43, 70
San Francisco, 1,154, 15	Alkmaar, 246, 894	Castana, 7,392, 0	Nako Maru, 110, 57	Santa Rita, 265, 35
Peter Kerr, 193, 2½	Valparaiso, 4, 77	Muenchen, 307, 1,235	Cefalu, 382, 365	City of Los Angeles, 814, 0
Cuba, 131, 10	Zacapa, 772, 0	Santa Clara, 276, 2	Santa Maria, 480, 5	Contessa, 676, 659
American Press, 626, 1,130	Mayari, 0, 99	Panama, 4,629, 731	West Nilus, 115, 245	Cellina, 295, 206
Veragua, 278, 491	Orotava, 269, 349	Planter, 135, 0	Maui, 898, 3	Pereira, 800, 0
Leipzig, 87, 638	Hermontis, 19½, 435	Choliteca, 128, 131	Orbita, 72, 959	San Pablo, 2,583, 434
Rhein, 110, 0	Quito, 25, 440	Santa Barbara, 430, 196	Nevada, 713, 0	Osorno, 742, 1,250½
Mostrun, 23, 0	Nemours, 291, 41	Lochavon, 484, 17	Patria, 169, 500	Santa Clara, 285, 17
Cerigo, 363, 306	Durazzo, 393, 326	Bogota, 748, 464	Dresden, 147, 925	Annie Johnson, 121, 225
Clio, 129, 190	Douro, 219, 267	Barneveld, 103, 138	Baarn, 427, 612	Chilore, 11,359, 0
Colombia, 781, 434	Colombia, 643, 223	Musa, 1,626, 8	Salvador, 842, 598	Ancon (new), 2,541, 941
Pereira, 820½, 576	Chiriqui, 138, 490	Pasajero, 0, 1	Abangarez, 1,024, 1	Tokai Maru, 253, 216
Douro, 220, 187	San Rafael, 560, 3	Talamanca, 290, 120½	Yomachichi, 74, 0	Musa, 1,148, 350
Drechtidijk, 294, 267	Harboe Jensen, 0, 435	John Cabot, 762, 596	Cadmus, 2, 333½	Huascaran, 17, 94
Rialto, 329, 309	Telde, 77, 194	Leikanger, 33, 0	Quirigua, 224, 728	Jamaica, 65, 456
Vancouver, 129, 158	Istmo, 0, 25	Madoera, 208, 0	Santa Inez, 335, 50	California Star, 8, 0
Ulua, 505, 123½	Santa Marta, 222, 53	Balboa, 90, 132	Oakland, 102, 245	Lochgoil, 68, 44
Ancon (old), 2,055, 673	Roda, 11, 440	Colombia, 0, 139	Goslar, 6 pkgs., 291	Wisconsin, 39, 302
Santa Rita, 470, 58	Leme, 143, 0	Reina del Pacifico, 49, 21	Telde, 736, 420	Weser, 224, 342
Cuba, 0, 1,556	Ino, 247, 119	Kimikawa Maru, 865, 40	Colombia, 1,124, 261	Kyusyuu Maru, 133, 73
Kagu Maru, 385, 0	New Orleans, 195, 0	Clio, 461, 350	Sixaola, 470, 95	Boskoop, 2, 129½
Yamabiko Maru, 617, 32	Port Hobart, 0, 3 pkgs.	Alaska, 16, 530	Ancon (old), 2,611, 0	Clio, 450, 205
Simon Bolivar, 80, 35	Simon Bolivar, 8, 505	Yankee Arrow, 12,720, 0	Peter Maersk, 1,195, 251	Colombia, 580, 579
Laura Maersk, 262, 401	Kinai Maru, 218, 151	Kaikoura, 90, 0	Orotava, 405, 43	Seostris, 27, 723
Quirigna, 13, 93	Nero, 282, 221	Tolosa, 425, 170	Douro, 165, 216	Quito, 713, 1,150
Santa Rosa, 95, 459	Portland, 393, 227	Raranga, 53, 0	Nemours, 175, 97	
			Charles R. McCormick, 0, 341	

#### BALBOA

City of Norfolk, 195, 0	Acajutla, 2, 0	President Harrison, 19, 0	Hunter Liggett, 404, 104	Santa Inez, 136, 0
Santa Barbara, 15, 0	City of Baltimore, 163, 0	Nemours, 0, 3	Ludington, 1,314, 523	La Plata Maru, 0, 19
Esso Panama, 2,567, 2	Agwiworld, 10,000, 0	Tai Shan, 148, 0	Muenchen, 0, 1	Mosfruit, 12, 0
Rialto, 330, 0	Santa Lucia, 196, 20	Elena, 2,076, 0	Utacarbon, 4,494, 0	Jacob Luckenbach, 1,365, 0
Pacific, 337, 0	Wales Maru, 270, 0	City of Newport News, 141, 0	Republic, 1,050, 109	Heiyo Maru, 48, 0
West Camargo, 3,019, 45	All America, 0, 231	Copiapo, 127, 0	Nitro, 3, 0	Santa Rita, 6, 0
Douro, 1, 0	Laurits Swenson, 375, 0	Santa Clara, 5, 0	John Cabot, 0, 10	Leonard Wood, 689, 0
Santa Rita, 0, 1	F.J. Luckenbach, 2,691, 329	Swift Arrow, 10,968, 0	Salvador, 1, 0	Pereles, 1,500, 0
Laura Maersk, 94, 0		Santa Barbara, 239, 20	Peter Maersk, 292, 0	Santa Clara, 188, 3
West Notus, 795, 0			Kanawha, 6,570, 0	

NOTE.—Figures shown represent short tons of 2,000 pounds.

### Passengers

During July 1939, ocean-ship passengers debarking at Cristobal numbered 2,621, embarking 2,482; at Balboa, 533 debarking, 805 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 5,581; from the Pacific to the Atlantic, 3,689. Commercial aircraft numbering 60 entered Cristobal with 304 passengers debarking; clearances were 60, with 302 passengers embarking; Balboa entries of aircraft numbered 54, with 107 passengers debarking; clearances were 54, with 126 passengers embarking.

Movements of Ocean Vessels Through the Panama Canal  
From midnight July 10, 1939, to midnight August 10, 1939

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Chios	11	11	Greek	Seaboard Ship. Co.	Hull, England	North Pacific	Ballast	
Santore	11	11	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Salvador	5	11	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	707
Erria	11	11	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	474
Somerset	11	12	Brit.	Fed. Steam Nav. Co.	Liverpool, Eng.	Fremantle, Aust.	General	5,564
Aobasan Maru	11	11	Jap.	Mitsui Bussan Kaisha	Baltimore, Md.	Dairen, China	Steel, mach.	9,134
Col. Riche	11	11	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Porto Bello	11	11	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Duchess of Richmond	12	13	Brit.	Can.-Pacific S.S. Co.	Montreal, Canada	Vancouver, B. C.	Passengers	
Kansai Maru	12	11	Jap.	Osaka Syosen Kaisya	Boston, Mass.	Kobe, Japan	Iron, gen.	7,835
Ebba	2	2	Pan.	E. Obarrío	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Herman Frasch	11	12	Amer.	Union Sulphur Co.	Galveston, Tex.	Tacoma, Wash.	Sulphur	6,500
Kokkinaki	8	12	Russ.	U. S. S. R. Amtorg	Leningrad, Russ.	Kamchatka, Rus.	Struct. steel	1,400
Norne	12	12	Russ.	Hasegawa Boeki K.	Montreal, Canada	Japan	Scrap iron	6,400
La Brea	12	12	Amer.	Union Oil of Calif.	Carteret, N. J.	Los Angeles, Cal.	Ballast	
Florence Luckenbach	12	12	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	5,930
Yamaura Maru	12	12	Jap.	Yamashita Line	Buenos Aires, Arg.	Kobe, Japan	Cotton, gen.	6,939
Nemours	5	12	Fr.	French Line	Marseille, France	B'ventura, Col.	General	59
Edwin Christensen	12	12	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	2,873
Taira	11	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real	11	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	32
J-78	11	12	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Montevideo Maru	2	14	Jap.	Osaka Syosen Kaisya	Montevideo, Uru.	Kobe, Japan	General	3,686
Pacific	11	14	Swed.	Johnson Line	Stockholm, Swed.	Honolulu, T. H.	General	2,683
Hannover	12	13	Ger.	North German Lloyd	Hamburg, Ger.	Corral, Chile	General	4,956
Peter Kerr	12	13	Amer.	States S. S. Co.	Norfolk, Va.	Portland, Oreg.	General	3,901
Cristobal	5	13	Amer.	Panama R. R. Line	New York, N. Y.	Balboa, C. Z.	Ballast	
Mosli	12	13	Russ.	Petroleos Mex.	Tampico, Mexico	Guaymas, Mexico	Oil	12,227
Talaralite	13	13	Brit.	Imperial Oil Co.	Aruba, N. W. I.	B'ventura, Col.	Gasoline	3,257
Lika	13	13	J.-Slav.	Chile Nit. Sales Corp.	Adrossan, Eng.	Chile	Ballast	
Walter D. Munson	13	13	Amer.	Taylor Milling Co.	New Orleans, La.	Oakland, Calif.	( <sup>14</sup> )	4,700
Claudia	12	13	Brit.	Shell Oil Co.	Curacao, N.W.I.	Los Angeles, Cal.	Ballast	
American Robin	13	13	Amer.	McCormick S. S. Co.	New York, N. Y.	Tacoma, Wash.	General	4,221
Dakotan	13	13	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,028
Neva	6	17	Russ.	U.S.S.R. Mach. Imp.	Rotterdam, Neth.	Russia	Ballast	
Volkhov	7-9	17	Russ.	Baltic S. S. Line	Leningrad, Russ.	Vladiv'ck, Russia	Salt, gen.	2,750
Fernhill	13	14	Nor	Fearnley & Eger	Philadelphia, Pa.	Osaka, Japan	Scrap iron	7,000
Istmo	13	14	Pan.	Elliot Ship. & Land Co.	Barranquilla, Col.	Tumaco, Colom.	Salt	646
Istok	14	14	J.-Slav.	Seaboard Ship. Co.	Rotterdam, Neth.	Brit. Columbia	Ballast	
Tasmania	14	14	Dan.	Kawasaki K. Kaisha	New Orleans, La.	Takao, Japan	General	7,766
Tornus	14	14	Brit.	Shell Oil Co.	Curacao, N.W.I.	Los Angeles, Cal.	Ballast	
Gen. Wm. M. Graham	11	15	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tattall	8	15	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Chulmleigh	15	15	Brit.	Anglo-Can. S. S. Co.	Hartlepool, Eng.	Portland, Oreg.	Ballast	
Walter A. Luckenbach	15	15	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,211
Taranger	15	15	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Aelybryn	14	15	Brit.	Ambrose D. Mathews	Antwerp, Belgium	Vancouver, B. C.	Ballast	
Maine	15	16	Amer.	Fairfield S. S. Corp.	Mobile, Ala.	Honolulu, T. H.	General	4,394
Colombia	13	15	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	510
Cerigo	13	15	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	Guayaquil, Ecu.	General	2,951
Santa Rita	15	15	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile	General	1,983
Clio	13	15	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	172
Douro	14	15	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	169
Carolinian	15	15	Amer.	Amer.-Hawaiian Line	N. London, Conn.	Seattle, Wash.	General	2,940
Lt. Col. H. C. Schumm	15	15	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	( <sup>15</sup> )	
City of Los Angeles	16	16	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	2,713
Respublika	11	17	Russ.	Soviet Republic	Leningrad, Russ.	Vladiv'ck, Russia	Ballast	
Troujenik	11	17	Russ.	Soviet Republic	Leningrad, Russ.	Vladiv'ck, Russia	Ballast	
Zarja	11	17	Russ.	Soviet Republic	Leningrad, Russ.	Vladiv'ck, Russia	Ballast	
Behore	15	16	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Yorkmar	15	16	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	4,838
Steel Navigator	16	16	Amer.	Isthmian S. S. Lines	New York, N. Y.	Around the world.	Steel, gen.	7,157
Pacific Reliance	16	16	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	713
Nicolaou Zografias	16	17	Greek	H. L. E. Meyer, Jr.	Newcastle, Eng.	Los Angeles, Cal.	Coke	2,504
S-42	15	17	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-44	15	17	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-45	15	17	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-46	15	17	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>7</sup> Submarine. <sup>9</sup> Destroyer. <sup>11</sup> Mine planter. <sup>13</sup> Dredge. <sup>14</sup> Corn, soy bean meal. <sup>15</sup> Towing barge No. 45.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
S-47	11	17	Russ.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Ladoga	11	17	Russ.	Soviet Republic	Leningrad, Russ.	Vladiv'ek, Russia	General	2,640
Svir	11	17	Russ.	Soviet Republic	Leningrad, Russ.	Vladiv'ek, Russia	General	2,774
Tros	13	17	Russ.	Soviet Republic	Leningrad, Russ.	Vladiv'ek, Russia	Ballast	
Strela <sup>11</sup>	13	17	Russ.	Soviet Republic	Leningrad, Russ.	Vladiv'ek, Russia	Ballast	
Podsekatel <sup>11</sup>	13	17	Russ.	Soviet Republic	Leningrad, Russ.	Vladiv'ek, Russia	Ballast	
Provodnik <sup>11</sup>	13	17	Russ.	Soviet Republic	Leningrad, Russ.	Vladiv'ek, Russia	Ballast	
Pennsylvania Sun <sup>2</sup>	17	17	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Viva <sup>2</sup>	17	17	Nor.	Sorensen & Sonner	Baltimore, Md.	Yokohama, Japan	Serap iron	6,543
Kaituna <sup>2</sup>	17	18	Brit.	Australind S. S. Co.	Philadelphia, Pa.	Sydney, Austr'lia	General	4,485
Irisbank <sup>2</sup>	17	17	Brit.	Andrew Weir & Co.	Boston, Mass.	Shanghai, China	General	4,670
Sona <sup>2</sup>	15	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	25
Bagley <sup>9</sup>	18	20	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast	
Dunlap <sup>9</sup>	18	20	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast	
Oregon Express <sup>2</sup>	17	18	Nor.	Fruit Express Line	Rotterdam, Neth.	S. Francisco, Cal.	Ballast	
Pereira	18	18	Pan.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	583
Ferrelif <sup>2</sup>	18	18	Nor.	Chile Nit. Sales Corp.	Jacksonville, Fla.	Tocopilla, Chile.	Ballast	
Cathwood <sup>1</sup>	18	18	Amer.	Union Oil of Calif.	Savannah, Ga.	Los Angeles, Cal.	Ballast	
Wearpool <sup>2</sup>	18	18	Brit.	Seaboard Ship. Co.	Hull, England	No. Pacific ports.	Ballast	
Emma Bakke <sup>2</sup>	18	18	Nor.	Knutsen Line	Oslo, Norway	Valparaiso, Chile.	General	2,586
Laguna <sup>2</sup>	17	18	Brit.	Pacific Steam Nav. Co.	Hull, England	Valparaiso, Chile.	General	3,860
Moukleigh	18	19	Brit.	Seaboard Ship. Co.	Barry, England	Vancouver, B. C.	Ballast	
Col. Riche <sup>5</sup>	11	11	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow barge	
Laurits Swenson <sup>2</sup>	18	19	Nor.	Fred Olsen & Co.	Oslo, Norway	Vancouver, B. C.	General	906
Hurunui	18	19	Brit.	N. Z. Shipping Co.	Newport, Eng.	Dunedin, N. Z.	General	6,903
Tuscaloosa City	18	19	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Seattle, Wash.	(12)	4,205
Templeyard	19	19	Brit.	Seaboard Ship. Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	
Jutland	19	19	Brit.	Seaboard Ship. Co.	London, England	Vancouver, B. C.	Ballast	
Steel Trader	19	20	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Shanghai, China	General	8,387
Nebraskan	19	19	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,096
Dinteldijk <sup>2</sup>	18	19	Neth.	Holland-Amer. Line.	Rotterdam, Neth.	Vancouver, B. C.	Gen., clay	2,184
Indian Prince <sup>2</sup>	19	19	Brit.	Prince Line, Ltd.	Falmouth, Eng.	Vancouver, B. C.	Ballast	
Master Elias Kulkundis.	19	19	Greek.	Seaboard Ship. Co.	Antwerp, Belgium	Vancouver, B. C.	Ballast	
Absaroka	19	19	Amer.	McCormick S. S. Co.	Alhany, N. Y.	Seattle, Wash.	Gen., nitrate	6,120
Santa Lucia	19	20	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,217
Ebba <sup>2</sup>	16	18	Pan.	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tura <sup>2</sup>	18	18	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Porto Bello <sup>3</sup>	19	19	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Real <sup>2</sup>	18	18	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	General	41
Imperial <sup>2</sup>	19	20	Chile.	Sud Amer. de Vapores	Hamburg, Ger.	Valparaiso, Chile.	General	561
Mayari	19	20	Pan.	United Fruit Co.	New York, N. Y.	Delfito, C. R.	R.R. material	3,452
Marore	19	20	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Lapwing <sup>10</sup>	19	20	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Devon City <sup>2</sup>	19	20	Brit.	Mitsubishi S. Kaisha	Pt. Tampa, Fla.	Osaka, Japan.	Phosphate	8,990
Valparaiso <sup>2</sup>	19	20	Swed.	Johnson Line.	Goth'burg, Swed.	Valparaiso, Chile.	Paper, gen.	4,377
J-62 <sup>5</sup>	19	20	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Orotava	20	21	Hond.	United Fruit Co.	New Orleans, La.	Amapala, Hond.	Gasoline, gen.	1,133
Cingalese Prince <sup>2</sup>	20	21	Brit.	Prince Line, Ltd.	Boston, Mass.	Hongkong, China.	General	3,763
S. C. T. Dodd <sup>1</sup>	20	21	Amer.	Standard Oil of Calif.	New York, N. Y.	Los Angeles, Cal.	Lub. oil	6,278
William Luckenbach.	21	21	Amer.	Luckenbach Line	Providence, R. I.	Seattle, Wash.	General	3,095
Anna Maersk <sup>2</sup>	21	21	Dan.	A. P. Moller	Boston, Mass.	Manila, P. I.	General	6,293
Arawa	21	22	Brit.	Shaw, Savill & Albion	London, England	Wellington, N. Z.	General	5,700
San Rafael	20	21	Amer.	Quaker Line	New York, N. Y.	Portland, Oreg.	General	1,850
Heronthis <sup>2</sup>	20	21	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	5,511
Alkmaar	19	21	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	1,727
President Harrison.	22	22	Amer.	Amer.-President Lines	Bombay, India	Penang, Str. Sett.	General	3,183
Ino <sup>2</sup>	21	22	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	108
Losmar	22	22	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,528
Lebore	22	22	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Rossington Court.	22	22	Brit.	Canadian Transp. Co.	Tyne, England	Britannia, B. C.	Ballast	
Sessa	22	22	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General	1,770
Colombia <sup>2</sup>	20	22	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	380
Leme <sup>2</sup>	21	22	Ital.	Italian Line	Trieste, Italy	Vancouver, B. C.	General	373
Port Hobart <sup>2</sup>	22	23	Brit.	Port Line, Ltd.	Philadelphia, Pa.	Adelaide, Aust.	General	5,096
Florida	22	22	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,809
Honolulu	22	22	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	3,628
Lt. Col. H. C. Schumm. <sup>4</sup>	20	20	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow barge	
Point Salinas.	23	23	Amer.	Gulf-Pacific Line.	New Orleans, La.	Seattle, Wash.	General	7,000
Woodcock <sup>10</sup>	23	23	Amer.	U. S. Navy	Swan Island.	Balboa, C. Z.	(13)	
Charles H. Cramp	23	23	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	3,248
Villanger <sup>2</sup>	23	23	Nor.	Intercean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Texas Sun <sup>1 2</sup>	23	23	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Nemours <sup>2</sup>	20	23	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	40

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>6</sup> Submarine. <sup>7</sup> Destroyer. <sup>8</sup> Mine sweeper. <sup>9</sup> Mine planter. <sup>10</sup> Coal, steel, general. <sup>11</sup> Towing barge No. 15.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Sidney M. Hauptman.	23	23	Amer.	McCormick S. S. Co.	Norfolk, Va.	Seattle, Wash.	General.	2,162
City of San Francisco.	23	24	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.	2,757
Mount Olympus.	23	23	Greek.	Mitsui & Co.	New York, N. Y.	Yawata, Japan.	Scrap iron.	9,254
City of Delhi.	23	24	Brit.	Ellerman & Bucknall.	Montreal, Canada	Dunedin, N. Z.	General.	2,682
Hopercrown.	23	23	Brit.	Clive Shipping Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.	
Sambu.	22	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Sona.	22	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Azumasan Maru.	24	24	Jap.	Mitsui Bussan Kaisha	New York, N. Y.	Yokohama, Japan	Mach. gen.	8,715
Pacific.	24	24	Amer.	Weyerhaeuser S.S. Co.	New York, N. Y.	Tacoma, Wash.	Steel, gen.	3,356
Elena.	23	23	Neth.	Shell Co.	Curacao, N.W.I.	Balboa, C. Z.	Petrol. prod.	2,051
Yankee Arrow.	23	24	Amer.	Socony-Vac. Oil Co.	Aruba, N. W. I.	Los Angeles, Cal.	Ballast.	
Amerikaland.	24	25	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	
Hindanger.	24	24	Nor.	Intercean S.S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.	
Quito.	20	24	Ger.	North German Lloyd.	Manaura, Colom.	Guayaquil, Ecu.	(14)	1,388
Porto Bello.	24	24	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General.	3
Col. Riche.	18	23	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Portland.	23	25	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	General.	5,118
Jane Christenson.	25	25	Amer.	Arrow Line.	Baltimore, Md.	Seattle, Wash.	General.	3,150
Moorby.	25	25	Brit.	Ropner Shipping Co.	Avon th, Eng.	W. coast of N. A.	Ballast.	
Komaki Maru.	25	25	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Kobe, Japan.	(15)	7,946
Inge Maersk.	25	25	Dan.	A. P. Moller.	London, England.	Los Angeles, Cal.	Ballast.	
Henry D. Whiton.	25	25	Amer.	Union Sulphur Co.	Pt. Sulphur, La.	Everett, Wash.	Sulphur.	6,600
Vermont.	24	25	Amer.	Calif.-Eastern Line.	New York, N. Y.	Tacoma, Wash.	Autos, gen.	3,314
Java Arrow.	25	25	Amer.	Socony-Vac. Oil Co.	Paulsboro, N. J.	Los Angeles, Cal.	Ballast.	
Wyoming.	24	25	Fr.	French Line.	Antwerp, Belgium	Vancouver, B. C.	(16)	7,048
J-62.	22	22	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Acajutla.	17	26	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General.	1,035
Brazilian Reefer.	26	26	Dan.	J. Lauritzen.	Liverpool, Eng.	W. coast of N. A.	Ballast.	
Swiftarrow.	25	27	Amer.	Standard Oil of N. J.	Aruba, N. W. I.	Los Angeles, Cal.	(17)	10,968
Ebba.	23	23	Pan.	E. Obarrio.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
California Standard.	26	26	Pan.	For. Tankship Corp.	Glasgow, Scotland	Los Angeles, Cal.	Ballast.	
Aliakmon.	25	26	Greek.	Livanos Bros.	Pernambuco, Braz	P. Chicama, Peru.	Ballast.	
Arkanson.	26	26	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	2,361
Thira.	25	25	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Real.	25	25	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Lochovan.	26	27	Brit.	Royal Mail Lines.	Rotterdam, Neth.	Vancouver, B. C.	General.	2,488
Herstein.	27	27	Nor.	S. Herlofson & Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.	
Taybank.	27	27	Brit.	Bank Line, Ltd.	Belfast, Ireland.	Los Angeles, Cal.	Ballast.	
Sylvan Arrow.	27	27	Amer.	Socony-Vac. Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast.	
Leikanger.	27	27	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B. C.	General.	3,168
Douro.	20	27	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	234
Munchen.	25	27	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile.	General.	4,133
Hunter Liggett.	26	28	Amer.	U. S. Army.	New York, N. Y.	Honolulu, T. H.	General.	3,758
Castana.	25	27	Amer.	Texas Oil Co.	Pt. Arthur, Tex.	Honolulu, T. H.	Ballast.	
Santa Barbara.	26	28	Amer.	Grace Line.	New York, N. Y.	San Antonio, Chile.	General.	2,151
Tropic Star.	27	30	Nor.	Chile Nit. Sales Corp.	Savannah, Ga.	Tocopilla, Chile.	Ballast.	
Balboa.	27	28	Swed.	Johnson Line.	Goth'burg, Swed.	Vancouver, B. C.	General.	4,594
Cordillera.	27	28	Brit.	Donaldson Line.	Glasgow, Scotland	Vancouver, B. C.	General.	944
Ufington Court.	28	28	Brit.	Canadian Transp. Co.	Montreal, Canada	Vancouver, B. C.	General.	2,120
Henry S. Grove.	28	28	Amer.	Isthmian S. S. Lines.	New Orleans, La.	Seattle, Wash.	Steel, gen.	5,005
Edward Luckenbach.	28	28	Amer.	Luckenbach Line.	Boston, Mass.	Tacoma, Wash.	General.	3,895
Taketoyo Maru.	28	28	Jap.	Nippon Yusen Kaisha	Pt. Tampa, Fla.	Kobe, Japan.	(18)	8,594
Lt. Col. H. C. Schumm.	26	28	Amer.	U. S. Army.	Cristobal, C. Z.	Balboa, C. Z.	Tow. barge.	
Primer.	28	29	Nor.	C. H. Sprague & Son.	Norfolk, Va.	Shanghai, China.	Coal.	7,317
Miss C. B.	26	29	Brit.	Sanabria Mines, Ltd.	Cartagena, Col.	B'ventura, Col.	(19)	31
Panaman.	29	29	Amer.	Amer.-Hawaiian Line.	N. London, Conn.	Tacoma, Wash.	General.	3,466
Alaska.	28	29	Fr.	French Line.	Havre, France.	Valparaiso, Chile.	General.	3,608
Colombia.	27	29	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	440
Clio.	28	29	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General.	318
Kenmar.	29	29	Amer.	Calmar Line.	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	4,893
Antonio.	29	29	Brit.	Jefferson Lake Oil Co.	Freeport, Tex.	Auckland, N. Z.	Sulphur.	7,150
Bogota.	26	29	Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecu.	General.	224
Korshamn.	29	29	Swed.	Rederi A/B Jamaica.	Curacao, N.W.I.	Los Angeles, Cal.	Ballast.	
Eastern Guide.	29	30	Amer.	McCormick S. S. Co.	Chester, Pa.	Seattle, Wash.	General.	2,336
Remuera.	29	30	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	General.	6,406
Hamakua.	29	30	Amer.	Matson Nav. Co.	New York, N. Y.	Hawaiian Is.	General.	2,981
Spencer Kellogg.	29	30	Amer.	Cia. Marit. of Manila.	New York, N. Y.	Los Angeles, Cal.	Ballast.	
Timber Rush.	30	30	Amer.	Shepard S. S. Co.	Boston, Mass.	Tacoma, Wash.	General.	4,127
City of Norfolk.	30	30	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.	3,028
Ivaran.	30	30	Nor.	De La Rama Line.	Baltimore, Md.	Shanghai, China.	General.	4,074
Elg.	30	30	Nor.	Commer. Metals Co.	Houston, Tex.	Yokohama, Japan	Scrap iron.	6,535
Chickasaw City.	30	30	Amer.	Isthmian S. S. Lines.	Norfolk, Va.	Seattle, Wash.	(20)	5,366

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>6</sup> Transport. <sup>13</sup> For orders. <sup>14</sup> General, salt, hides, etc. <sup>15</sup> Cotton, lubricating oil, etc. <sup>16</sup> Sand, clay, coke, etc. <sup>17</sup> Fuel and Diesel oil. <sup>18</sup> General, gasoline, etc. <sup>19</sup> Lubricating oil, machinery. <sup>20</sup> Steel, ore, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Pacific Enterprise <sup>2</sup>	30	30	Brit...	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	488
Sona <sup>2</sup>	29		Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
H. D. Collier <sup>1</sup>	30	31	Amer...	Standard Oil of Calif.	Antwerp, Belgium	S. Francisco, Cal.	Ballast	
Commissaire Rame-	30	31	Fr...	Messageries Mari-	Marseille, France.	Noumea, N. Cal.	General	2,215
times.								
Tyrifjord	31	31	Nor...	Canadian-Gulf Line.	Hopewell, Va.	Vancouver, B. C.	General	3,905
City of Lille <sup>2</sup>	31	31	Brit...	Ellerman & Bucknall.	Philadelphia, Pa.	Taku Bar, China.	General	6,016
Canada <sup>2</sup>	31	31	Den...	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General <sup>(14)</sup>	490
John Cabot	27	31	Brit...	Grace Line	Cristobal, C. Z.	Champico, Guat.	General	596
Iddesleigh	31	1	Brit...	Anglo-Can. S. S. Co.	Barry, England.	Estevan, B. C.	Ballast	
Porto Bello <sup>2</sup>	31	31	Pan...	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Sambu <sup>2</sup>	29	31	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	85
San Marcos	31	1	Amer...	Quaker Line	New York, N. Y.	Portland, Oreg.	General	2,621
Marconi <sup>2</sup>	31		Pan...	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Point Chico	1	1	Amer...	Gulf-Pacific Line.	Houston, Tex.	Seattle, Wash.	General	5,773
City of Perth	1	1	Brit...	Ellerman & Bucknall.	Philadelphia, Pa.	Adelaide Aust'lia.	General	5,767
Steelore	31	1	Amer...	Ore S. S. Corp.	Newp't News, Va.	Cruz Gr'de, Chile	Ballast	
Cambridge	1	2	Brit...	Fed. Steam Nav. Co.	Liverpool Eng.	Dunedin, N. Z.	General	6,468
Col. Riche <sup>5</sup>	24		Amer...	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge	
Hj Wini <sup>13</sup>	2		Amer...	F. Wertz	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Washingtonian	19	2	Amer...	Amer.-Hawaiian Line.	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	2,795
Washington Ex-	1	2	Nor...	Fruit Express Line.	Oslo, Norway	Los Angeles, Cal.	Ballast	
press.								
Neবাদan	29	2	Amer...	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,755
Hagan <sup>1</sup>	19	2	Amer...	Shell Petroleum Corp.	New York, N. Y.	Martinez, Calif.	Ballast	
Tattnall <sup>9</sup>	29		Amer...	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Point Arena	19	2	Amer...	Gulf-Pacific Line.	Corpus Christi, Tex.	Seattle, Wash.	General	4,797
Erviken	19	2	Nor...	Boyd, Weir & Sewell.	Norfolk, Va.	Shanghai, China.	Coal	9,218
Elisabeth Bakke <sup>2</sup>	19	3	Nor...	Knutson Line	Belfast, Ireland.	Vancouver, B. C.	Ballast	
Taira <sup>2</sup>	1		Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	1		Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
T-6 <sup>5</sup>			Amer...	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Genyo Maru <sup>1 2</sup>	2	3	Jap...	Asano Bussan Co.	Pt. Arthur, Tex.	Tokuyama, Japan	Crude oil	11,917
Hokkai Maru <sup>2</sup>	3	3	Jap...	Osaka Syosen Kaisya.	Rotterdam, Neth.	Dairen, China	General <sup>(15)</sup>	8,295
Rangitane <sup>2</sup>	3	4	Brit...	N. Z. Shipping Co.	London, England	Wellington, N. Z.	General	4,810
West Nilus	29	3	Amer...	McCormick S. S. Co.	Buenos Aires, Arg.	Portland, Oreg.	General	3,553
Raby Castle <sup>2</sup>	3	3	Brit...	Lanesehire Ship. Co.	Boea Gr'de, Fla.	Moji, Japan.	Phosphate	6,853
Speybank <sup>2</sup>	3	3	Brit...	Mersey Paper Co.	Liverpool, Can.	Sydney, Australia	Newsprint	4,821
Wildwood	3	3	Amer...	Davidson Chem. Co.	Baltimore, Md.	Seattle, Wash.	Phosphate	6,797
Orbita	2	3	Brit...	Pacific Steam Nav. Co.	Liverpool, Eng.	Taleahuano, Chile	General	3,760
Dresden <sup>2</sup>	2	4	Ger...	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General	3,973
President Herren-	4	4	Nor...	Pechelbronn.	Donges, France.	Lobitos, Peru	Ballast	
schmidt, <sup>1 2</sup>								
Sophocles <sup>2</sup>	4	4	Nor...	Isbrandtsen-Moller.	Baltimore, Md.	Manila, P. I.	General	6,197
Baarn	2	4	Neth...	Royal Neth. S. S. Co.	Hamburg, Ger.	Talcahuano, Chile	General	946
Santa Inez <sup>2</sup>	3	5	Amer...	Grace Line	New York, N. Y.	Chanaral, Chile	General	1,146
Telde	3	4	Hond...	United Fruit Co.	New Orleans, La.	La Union, Salv'dor	General	1,740
City of Dalhart <sup>2</sup>	5	5	Amer...	Roosevelt S. S. Co.	New York, N. Y.	Shanghai, China.	General	5,953
Marna	4	5	Dan...	J. Lauritzen	Baltimore, Md.	Talcahuano, Chile	General	2,200
La Plata Maru <sup>2</sup>	5	5	Jap...	Osaka Syosen Kaisya.	Buenos Aires, Arg.	Kobe, Japan	Cotton, gen.	4,041
Colombia <sup>2</sup>	5	5	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	600
President Hayes.	5	5	Amer...	Amer.-President Lines	New York, N. Y.	S. Francisco, Cal.	General	2,816
Arizona	5	5	Amer...	Amer.-Hawaiian Line.	N. London, Conn	Seattle, Wash.	General	2,946
Stonagate	5	5	Brit...	Chile Nit. Sales Corp.	Sunderland, Eng.	Chile	Ballast	
Ino <sup>2</sup>	4	5	Neth...	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	286
Robert Lucken-	5	5	Amer...	Luckenbach Line	Providence, R. I.	Tacoma, Wash.	General	4,041
bach.								
Durazzo	5	6	Ger...	Hamburg-Amer. Line.	Manauare, Colom.	Guayaquil, Ecu.	Salt, gen.	743
Charles R. Mc-	5	6	Amer...	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	Steel, gen.	3,190
Cormick.								
Lady Glanely <sup>2</sup>	5	6	Brit...	Seaboard Ship. Co.	London, England	Vancouver, B. C.	Ballast	
Portmar	5	6	Amer...	Calmar Line.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,724
Nero <sup>2</sup>	5	6	Neth...	Royal Neth. S. S. Co.	Curacao, N.W.I.	B'ventura, Col.	General <sup>(16)</sup>	244
City of Baltimore.	6	6	Amer...	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General	2,798
Vernon City	6	6	Brit...	Mitsubishi Line.	Pt. Arthur, Tex.	Yokohama, Japan	Serap steel	7,806
Geddington Court	6	6	Brit...	Canadian Transp. Co.	Barry, England.	Brit. Columbia.	Ballast	
Dorington Court.	6	6	Brit...	Chile Nit. Sales Corp.	No. Shields, Eng.	Chile	Ballast	
Steel Voyager	6	6	Amer...	Isthmian S. S. Lines.	Baltimore, Md.	Tacoma, Wash.	General	3,573
Nosiro Maru <sup>2</sup>	6	6	Jap...	Nippon Yusen Kaisha	New York, N. Y.	Yokohama, Japan	Mach., steel.	7,462
Modavia <sup>2</sup>	6	6	Brit...	Donaldson Line	Glasgow, Scotland	Vancouver, B. C.	General	406
Kanawa <sup>1</sup>	4	8	Amer...	U. S. Navy	Cristobal, C. Z.	San Diego, Calif.	Oil	
Hegira	6	7	Amer...	Weyerhaeuser S.S.Co.	New York, N. Y.	Seattle, Wash.	General	4,335
Ward <sup>2</sup>	6	7	Amer...	Amer.-Pioneer Line	Philadelphia, Pa.	Freemantle, Aust.	General	2,887
Tosan Maru <sup>2</sup>	7	7	Jap...	Osaka Syosen Kaisya.	Boston, Mass.	Kobe, Japan	General	7,957
Nordhavet <sup>2</sup>	6	7	Dan...	Joh. Bruhn & Co.	Pt. Arthur, Tex.	Yokohama, Japan	Serap iron.	7,660
Umberleigh	7	7	Brit...	Seaboard Ship. Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	
Tosca <sup>2</sup>	7	7	Nor...	Chile Nit. Sales Corp.	Antwerp, Belgium	Chile	Ballast	
West Kyska	7	7	Amer...	Waterman S. S. Corp.	Baltimore, Md.	Tacoma, Wash.	General	3,092

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>9</sup> Destroyer. <sup>13</sup> Sail boat. <sup>14</sup> Peat moss and general. <sup>15</sup> Scrap steel, general. <sup>16</sup> Lard, flour, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Trondanger <sup>2</sup>	7	8	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Porto Bello <sup>3</sup>	7	7	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Salvador	2	8	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	598
Nemours <sup>2</sup>	4	8	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	97
Marconi <sup>2</sup>	7	8	Pan.	D. Campodonico	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Athleduke <sup>1 2</sup>	7	8	Brit.	Standard Oil Co.	Hull, England	Japan	Ballast	
Kaikoku	7	8	Amer.	Matson Nav. Co.	Philadelphia, Pa.	Hawaiian Is.	General	2,840
Kunikawa Maru <sup>2</sup>	8	8	Jap.	Kawasaki Kisen K.	New York, N. Y.	Kobe, Japan	Coke, gen.	8,277
Firemore	8	8	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
San Simcon	6	8	Amer.	Quaker Line	Albany, N. Y.	Tacoma, Wash.	General	3,642
Malay <sup>1</sup>	8	8	Amer.	Shell Oil Co.	Newp't News, Va.	Los Angeles, Cal.	Ballast	
Lt. Col. H. C. Schumm <sup>4</sup>	7		Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Testbank	8	9	Brit.	Bank Line, Ltd.	Tampico, Mexico	Adelaide, Aust.	Sulphur, gen.	8,139
Stella <sup>2</sup>	6-24	9	Ger.	Tropische H.U. Gross- fisch Fangreederei	High seas.	Puntarenas, C. R.	Ballast	
Ebba <sup>2</sup>	30		Pan.	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Montebello <sup>1</sup>	8	9	Amer.	Union Oil Co.	Savannah, Ga.	Los Angeles, Cal.	Ballast	
Helgey <sup>2</sup>	9	9	Nor.	Erling H. Samuelsen	Philadelphia, Pa.	Yawata, Japan	Scrap steel	9,040
Leonard Wood <sup>8</sup>	8		Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	General	698
Atlantic <sup>1 2</sup>	9	9	Nor.	Standard Oil of N. J.	Caripito, Venez.	Tocopilla, Chile.	Fuel oil	10,036
Pereira	8		Pan.	Grace Line	Cristobal, C. Z.	Balboa, C. Z.	Drydocking	
Kirisima Maru <sup>2</sup>	9	10	Jap.	Kokusai Line	Montreal, Canada	Kobe, Japan	General	8,037
Sambu <sup>2</sup>	8		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	8		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	8		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Santa Clara	9	10	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	3,923
Annie Johnson <sup>2</sup>	9	10	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	Paper, gen.	3,903
Trecarrell	9	10	Brit.	Hain S. S. Co.	Barry, England	Vancouver, B. C.	Ballast	
Elias G. Kulukundis	9	10	Greek.	Kulukundis Bros.	Antwerp, Belgium	Los Angeles, Cal.	General	3,025
Californian <sup>2</sup>	10	10	Amer.	Amer-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,620
Tancred <sup>2</sup>	9	10	Nor.	Barber Line	Baltimore, Md.	Yawata, Japan	( <sup>13</sup> )	7,237
Port Saint John <sup>2</sup>	10	11	Brit.	M. A. N. Z. Line	Montreal, Canada	Brisbane, Aust.	General	5,824
Istmo	10	10	Pan.	Elliot Ship. & Land Co.	Cartagena, Col.	B'ventura, Col.	Salt	693
Ophelia <sup>1</sup>	10	10	Fr.	Consummateurs Pet.	Donges, France	Lobitos, Peru	Ballast	
California Express <sup>2</sup>	10	10	Nor.	Fruit Express Line	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	

PACIFIC TO ATLANTIC

Trois Ilets	10	15	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee, wax.	64
Herman F. Whiton	11	11	Amer.	Dutton Lumber Corp.	Pt. Gamble, Wash	Providence, R. I.	Lumber	7,100
Kupa	11	11	J-Slav.	Chile Nit. Sales Corp.	Iquique, Chile	Azores. <sup>13</sup>	Nitrate	7,620
Heranger <sup>2</sup>	11	11	Nor.	Interocean S. S. Corp.	Portland, Oreg.	Rotterdam, Neth.	General	7,938
Goyo Maru	10	12	Jap.	K Line	Taku Bar, China	Baltimore, Md.	( <sup>14</sup> )	7,010
City of Norfolk	11	12	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	5,041
Vidvadan	11	11	Y-Slav.	Chile Nit. Sales Corp.	Tocopilla, Chile	Azores. <sup>13</sup>	Nitrate	8,055
Tuira <sup>2</sup>	11	12	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	48
Real <sup>2</sup>	11	12	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	40
San Francisco	11	13	Fr.	French Line	Corral, Chile	Havre, France	General	8,016
Lt. Col. H. C. Schumm <sup>4</sup>	12	15	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge.	
Santa Barbara <sup>2</sup>	12	12	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	4,413
Charles Christenson	12	12	Amer.	Arrow Line	Portland, Oreg.	Baltimore, Md.	Lumber	6,800
Nestos	12	12	Greek.	Chile Nit. Sales Corp.	Antof'gasta, Chile	Azores. <sup>13</sup>	Nitrate	8,306
Steelore	13	13	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Bahrain <sup>1</sup>	12	13	Pan.	Standard Oil of Calif.	El Segundo, Cal.	Lands End. <sup>15</sup>	Gasoline	8,762
Samuel Bakke <sup>2</sup>	12	13	Nor.	Knut Knutsen, O.A.S.	Valparaiso, Chile	Oslo, Norway	General	7,655
Pereira	13	18	Pan.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	( <sup>15</sup> )	752
Leipzig <sup>2</sup>	13	14	Ger.	North German Lloyd	Corral, Chile	Bremen, Germany	General	4,976
Newton Ash	13	13	Brit.	Standard Oil of N. J.	Tocopilla, Chile	Cartagena, Col.	Ballast	
Cerigo	13	15	Ger.	Seaboard Ship. Co.	Vancouver, B. C.	Hull, England	Wheat, lum.	7,000
Colombia <sup>2</sup>	13	15	Pan.	Hamburg-Amer. Line	Guayaquil, Ecu.	Cristobal, C. Z.	( <sup>16</sup> )	329
Clio <sup>2</sup>	13	15	Neth.	Elliot Ship. & Land Co.	Royal Neth. S. S. Co.	B'ventura, Col.	General	709
Rhein <sup>2</sup>	13	14	Ger.	Hamburg-Amer. Line	Guayaquil, Ecu.	Cristobal, C. Z.	( <sup>17</sup> )	117
Mostun <sup>2</sup>	13	14	Nor.	Neptune Shipping Co.	Manila, P. I.	New Orleans, La.	( <sup>18</sup> )	8,342
Vancouver	13	15	Ger.	Hamburg-Amer. Line	S. Francisco, Cal.	Liverpool, Eng.	Fruit, gen.	1,276
Rialto <sup>2</sup>	13	15	Ital.	Italian Line	Vancouver, B. C.	Hamburg, Ger.	General	8,079
Movera <sup>2</sup>	13	14	Brit.	Donaldson Line	Vancouver, B. C.	Trieste, Italy	General	4,269
Julia Luckenbach	14	14	Amer.	Luckenbach Line	Victoria, B. C.	Glasgow, Scotland	General	6,002
Douro <sup>2</sup>	14	15	Neth.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	( <sup>19</sup> )	7,247
Missourian <sup>2</sup>	14	15	Amer.	Royal Neth. S. S. Co.	Tumaco, Wash.	Cristobal, C. Z.	( <sup>20</sup> )	200
Berganger <sup>2</sup>	14	14	Nor.	Amer-Hawaiian Line	Tacoma, Wash.	Boston, Mass.	General	5,577
				Interocean S. S. Corp.	Portland, Oreg.	Rotterdam, Neth.	( <sup>21</sup> )	8,189

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Transport. <sup>12</sup> Scrap iron, general. <sup>13</sup> For orders. <sup>14</sup> Sugar, onions, general. <sup>15</sup> Coffee, logs, hides. <sup>16</sup> Balsa, cacao, coffee. <sup>18</sup> Copra, sugar, bemp, general. <sup>19</sup> Canned fruit, flour, general. <sup>20</sup> Coffee, hides, empty drums. <sup>21</sup> Wheat, lumber, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Drechtijk <sup>2</sup>	14	15	Neth.	N. Pac. Coast Line...	Victoria, B. C.	Rotterdam, Neth.	General	9,999
Porto Bello <sup>2</sup>	14	14	Pan	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(13)	3
River Lugar	14	15	Brit.	British Phosphate Co.	Nauru Is., S. Pac.	Scotland	Phosphate	9,200
Illinoian	15	15	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	7,204
Emidio <sup>1</sup>	15	15	Amer.	Shell Oil Co.	Los Angeles, Cal.	Fall Riv., Mass.	Fuel oil	9,545
Sona <sup>2</sup>	15	17	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	50
Ann <sup>5</sup>	15	15	Amer.	John L. King.	Miraflores, C. Z.	Gatun, C. Z.	Ballast	
Sappho <sup>5</sup>	15	15	Amer.	Al. Meigs	Miraflores, C. Z.	Gatun, C. Z.	Ballast	
El Mirlo <sup>1 2</sup>	15	16	Brit.	C. T. Bowring & Co.	LaLibertad, Ecua.	Ellesmere, Eng.	(14)	11,893
Yamabiko Maru.	15	16	Jap.	Yamashita Kisen K..	Japan	Buenos Aires, Arg.	(15)	10,327
Birmingham City.	15	16	Amer.	Isthmian S. S. Lines	San Diego, Calif	London, England	(16)	8,442
Ebba <sup>2</sup>	16	19	Pan	H. Obarrío	Darien, R. P.	Cristobal, C. Z.	Bananas	50
Dionysios Stathatos.	15	16	Greek.	Anglo-Can. S. S. Co.	Victoria, B. C.	London, England	Wheat, lum.,	7,188
Mokihana	15	16	Amer.	Matson Nav. Co.	Pt. Allen, T. H.	New Orleans, La.	(17)	9,551
Heffron	16	16	Amer.	Weyerhaeuser S.S. Co.	Seattle, Wash.	Jersey City, N. J.	Lumber, gen.	9,692
Ridley <sup>2</sup>	16	17	Brit.	Brit. Phosphate Com.	Nauru Is., So. Pac.	Grange'th, Scot.	Phosphate	8,900
Zrinski	16	16	Y-Slav.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores, <sup>12</sup>	Nitrate	8,324
Alamar.	16	16	Amer.	Calmar S. S. Corp.	S. Francisco, Cal.	Baltimore, Md.	Lumber, gen.	8,096
Kagu Maru <sup>2</sup>	15	17	Jap.	Kokusai Kisen Kaisha	Singapore, St. Set.	New Orleans, La.	(18)	8,028
Svedrott <sup>1 2</sup>	16	16	Swed.	Shell Oil Co.	Los Angeles, Cal.	Curacao, N.W.I.	Gas oil	14,615
Napier Star	16	17	Brit.	Blue Star Line	Bluff, N. Z.	Newcastle, Eng.	Frozen, gen.	7,765
Laura Maersk <sup>2</sup>	16	17	Dan.	Ibsbrandt-Moller.	Ilolo, P. I.	New York, N. Y.	Sugar, gen.	5,872
Gen. W. M. Graham. <sup>11</sup>	16	16	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Pan Norway <sup>1 2</sup>	16	17	Nor.	Standard Oil of N. J.	Talara, Peru	Rotterdam, Neth.	Benz., gas oil.	13,900
Snestad <sup>2</sup>	16	17	Nor.	Fern Line.	Manila, P. I.	U. S. Atl. ports.	Sugar	7,323
Acajutla.	17	26	Brit.	Pacific Steam Nav. Co.	Champ'co, Guat.	Cristobal, C. Z.	(19)	784
Breda	17	17	Neth.	Royal Neth. S. S. Co.	Talcahuano, Chile	Hamburg, Ger.	General.	8,654
Atlantic	17	17	Amer.	Isthmian S. S. Lines.	Los Angeles, Cal.	Baltimore, Md.	Lumber	7,211
Rimutaka	16	17	Brit.	N. Z. Shipping Co.	Wellington, N. Z.	London, England	Frozen, gen.	4,894
Santa Inez <sup>2</sup>	17	18	Amer.	Grace Line.	Chanaral, Chile.	New York, N. Y.	General.	2,949
West Camargo	14	18	Amer.	McCormick S. S. Co.	Seattle, Wash.	Buenos Aires, Arg.	Lumber, gen.	5,580
West Notus.	17	18	Amer.	McCormick S. S. Co.	Seattle, Wash.	New York, N. Y.	Lumber, gen.	5,584
Arna <sup>2</sup>	17	18	Nor.	Seaboard Ship. Co.	Pt. Alberni, B. C.	London, England	Wheat, lum.	7,200
Frida	17	18	Dan.	West Coast Line.	San Antonio, Chile	New York, N. Y.	Copper, gen.	1,068
Oropesa	18	18	Brit.	Pacific Steam Nav. Co.	Valparaiso, Chile.	Liverpool, Eng.	Copper, gen.	9,518
Tyr <sup>2</sup>	18	18	Nor.	Seaboard Ship. Co.	Vancouver, B. C.	Plymouth, Eng.	Lumber.	5,656
Darlington Court <sup>2</sup>	18	18	Brit.	Anglo-Can. S. S. Co.	GraysHar., Wash.	London, England	Wheat, lum.,	8,330
Oregonian	18	18	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	6,355
Donau.	18	19	Ger.	North German Lloyd.	Vancouver, B. C.	Hamburg, Ger.	General.	10,156
City of Baltimore.	18	19	Amer.	Panama-Pacific Line..	S. Francisco, Cal.	New York, N. Y.	General.	3,979
Taira <sup>2</sup>	18	19	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	50
Real <sup>2</sup>	18	19	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Point Brava	18	19	Amer.	Swayne & Hoyt	Portland, Oreg.	Tampa, Fla.	General.	4,146
Lt. Col. H. C. Schum. <sup>4</sup>	19	22	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow barge.	
Sage Brush	19	19	Amer.	Shepard S. S. Co.	Portland, Oreg.	N. Bedford, Conn.	Lumber, gen.	7,587
Amsterdam	19	19	Ital.	Fratelli Bizzuto.	Valparaiso, Chile.	New York, N. Y.	(20)	13,554
Firmore	19	19	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,850
Onkmar	19	19	Amer.	Calmar Line	Longview, Wash	Baltimore, Md.	Lum., copper	6,542
Nemours <sup>2</sup>	19	23	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	264
Pacific Shipper <sup>2</sup>	20	20	Brit.	Furness. Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General.	8,120
Iowan.	20	20	Amer.	Amer.-Hawaiian Line.	S. Francisco, Cal.	Boston, Mass.	General.	5,193
Lancaster.	20	20	Amer.	Weyerhaeuser S.S. Co.	Tacoma, Wash.	Baltimore, Md.	Lumber, gen.	9,128
Columbian.	20	20	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	5,411
Durazzo	20	22	Ger.	Hapag-Lloyd	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	351
Hannington Court	20	20	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Montreal, Canada	(21)	8,677
Colombia <sup>2</sup>	20	22	Pan	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	568
Douro	20	27	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	(22)	199
Harry Luckenbach.	20	20	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,222
Llanarth.	20	20	Brit.	Joseph Pyke & Son..	Vancouver, B. C.	Dublin, Ireland.	Wheat.	7,920
Ino <sup>2</sup>	20	22	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(23)	224
Maravi.	20	21	Pan	United Fruit Co.	Puntarenas, C. R.	Boston, Mass.	Ballast	
Roda <sup>2</sup>	21	22	Ger.	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger.	General.	3,900
La Paz <sup>2</sup>	20	21	Brit.	Pacific Steam Nav. Co.	Coronel, Chile	Liverpool, Eng.	(24)	8,302
Istmo	21	23	Pan	Elliot Ship. & Land Co.	B'ventura, Col.	Manaua, Colom.	Ballast	
Telde	21	21	Hond.	United Fruit	Puntarenas, C. R.	New Orleans, La.	(25)	579
Jefferson Myers	21	21	Amer.	Pae.-Atlantic S.S. Co.	Portland, Oreg.	Philadelphia, Pa.	(26)	9,245
Lapwing <sup>4</sup>	21	21	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Robert E. Hopkins. <sup>4</sup>	20	21	Amer.	Cities Service Corp.	San Luis, Calif.	New York, N. Y.	Crude oil	9,940
Chilore.	22	22	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,700
Nore <sup>1 2</sup>	21	22	Pan	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N.W.I.	Fuel oil.	11,855

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>11</sup> Mine planter. <sup>12</sup> For orders. <sup>13</sup> Plantains, lumber.  
<sup>14</sup> Crude oil, casinghead gas. <sup>15</sup> Cotton goods, general. <sup>16</sup> Grain, dried fruit, lumber. <sup>17</sup> Sugar, canned pineapples.  
<sup>18</sup> Tea, tin, cotton goods, general. <sup>19</sup> Coffee, wood, general. <sup>20</sup> Gold, copper ore. <sup>21</sup> Lumber, wheat, general.  
<sup>22</sup> Coffee, ivory nuts. <sup>23</sup> Cacao, nuts, hides. <sup>24</sup> Nitrate, copper, barley. <sup>25</sup> Coffee, hides, bananas. <sup>26</sup> Lumber, potash, general.



PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
New Orleans 2	22	22	Amer.	Amer.-Pioneer Line	Iloilo, P. I.	New York, N. Y.	Sugar, gen.	7, 874
Kinai Maru 2	22	23	Jap.	Osaka Syosen Kaisya.	Dairen, China	Antwerp, Belgium	Phosphorus.	6, 208
Walnut	22	23	Amer.	Moore Drydock Co.	S. Francisco, Cal.	Detroit, Mich.	Ballast	
Atutasan Maru 2	22	23	Jap.	Mitsui & Co.	Manila, P. I.	New York, N. Y.	General.	8, 384
Sona 2	22	23	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Sambu 2	22	23	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	58
Porto Bello 2	22	22	Pan.	A. Tagaropoulos.	Darien, R. P.	Colon, R. P.	(15)	
K. R. Kingsbury 1	22	23	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Baltimore, Md.	Asphalt.	10, 934
Etrema 1	22	23	Neth.	Anglo-Saxon Pet. Co.	San Diego, Calif.	Curacao, N.W.I.	Kerosene	8, 660
Ebba 2	23	26	Pan.	H. Obarrio	El Real, R. P.	Cristobal, C. Z.	Bananas	55
Nicolaou Ourania	23	23	Greek	G. Nicolaou, Ltd.	Vancouver, B. C.	London, England	Wheat, lum.	9, 250
Genyo Maru 1 2	22	23	Jap.	Asano Bussan Co.	Kobe, Japan	Pt. Arthur, Tex.	Ballast	
Huntingdon	23	24	Brit.	Fed. Steam Nav. Co.	Auckland, N. Z.	London, England	Frozen, gen.	5, 114
Nurnberg 2	23	25	Ger.	Norddeutscher Lloyd.	Valparaiso, Chile.	Hamburg, Ger.	General.	5, 354
Tai Shan 2	23	25	Nor.	Barber-Wilhelmsen.	Zamboanga, P. I.	Boston, Mass.	Sugar, gen.	6, 767
San Bernardino.	24	24	Amer.	States S. S. Co.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6, 388
Procyon 1 2	24	24	Swed.	Standard Oil of N. J.	S. Francisco, Cal.	Aruba, N. W. I.	Av. gasoline.	11, 530
Virgiman	24	24	Amer.	Amer.-Hawaiian Line.	S. Francisco, Cal.	Boston, Mass.	General.	6, 438
F. J. Luckenbach.	21	25	Amer.	Luckenbach Line	Townsend, Wash.	Tampa, Fla.	Lumber, gen.	4, 428
Margaret Johnson	25	26	Swed.	Johnson Line	Vancouver, B. C.	Goth'burg, Swed.	(16)	6, 110
Awata Maru 2	24	25	Jap.	Nippon Yusen Kaisha	Yokohama, Japan	Hamburg, Ger.	General.	6, 526
Temple Mead	24	25	Brit.	Chile Nit. Sales Corp	Tocopilla, Chile.	Azores. <sup>14</sup>	Nitrate	7, 760
Damsterdijk 2	25	26	Neth.	Holland-Amer. Line.	Victoria, B. C.	Rotterdam, Neth.	General.	10, 552
Sorholt 2	25	26	Nor.	De La Rama Line.	Iloilo, P. I.	New York, N. Y.	Sugar, gen.	8, 250
Tuyama Maru.	25	26	Jap.	Nippon Yusen Kaisha	Manila, P. I.	New Orleans, La.	(17)	7, 873
Buenos Aires 2	25	25	Swed.	Johnson Line.	Valparaiso, Chile.	Goth'burg, Swed.	General.	9, 063
Elena 1	24	25	Neth.	Shell Oil Co.	Balboa, C. Z.	Curacao, N.W.I.	Ballast	
Copiapo 2	25	25	Chile.	Sud Amer. de Vapores	Corral, Chile	Hamburg, Ger.	General.	3, 168
City of Newport News.	25	26	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.	4, 530
Montebello 1.	25	25	Amer.	Union Oil of Calif.	San Luis, Calif.	Baltimore, Md.	Crude oil.	10, 990
Real 2	25	26	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Taira 2	25	26	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	53
Barneveld	25	27	Neth.	Royal Neth. S. S. Co.	Tome, Chile.	Hamburg, Ger.	General.	8, 145
Lt. Col. H. C. Schumm. <sup>4</sup>	26	28	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge.	
Santa Clara	25	27	Amer.	Grace Line	S. Antonio, Chile	New York, N. Y.	General.	5, 366
Svealand 2	26	26	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22, 300
Chelsea	26	26	Brit.	Chile Nit. Sales Corp	Tocopilla, Chile.	Azores. <sup>14</sup>	Nitrate	7, 825
Bogota 2	26	29	Ger.	North German Lloyd.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	6, 679
Pennsylvanian	26	27	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	5, 853
John Cabot.	26	31	Brit.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General.	708
Holystone	26	27	Brit.	J. Pike & Co.	Portland, Oreg.	Cobb, Ireland. <sup>14</sup>	Wheat.	8, 250
Madoera 2	27	28	Neth.	Java-Pacific Line	Vancouver, B. C.	Calcutta, India.	General.	7, 683
Colombia 2	27	29	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Ballast	
Knoxville City.	27	27	Amer.	Isthmian S. S. Lines.	Mahukona, T. H.	Baltimore, Md.	(18)	8, 316
Hollywood	27	27	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	6, 674
Horace Luckenbach.	27	27	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General.	7, 413
S-45 7	27		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-46 7	27		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Bibb 10.	25	28	Amer.	U. S. Coast Guard.	Valparaiso, Chile.	Norfolk, Va.		
S-44 7	28		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Ewa	27	28	Amer.	Matson Nav. Co.	Port Allen, T. H.	Baltimore, Md.	(18)	9, 331
Sagona 1 2	27	28	Nor.	Shell Oil of Calif.	Los Angeles, Cal.	Curacao, N.W.I.	Kerosene	10, 253
Clio 2	28	29	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(19)	419
Kimikawa Maru 2	28	29	Jap.	K Line	Kobe, Japan	Houston, Tex.	Silk, gen.	2, 225
Reina del Pacifico 2	28	28	Brit.	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	(20)	4, 832
Rapana 1 2	27	28	Brit.	Shell Oil Co.	Los Angeles, Cal.	Curacao, N.W.I.	Gas oil	11, 581
Kaikoura 2	28	29	Brit.	M. A. N. Z. Line	Adelaide, Aust.	Montreal, Canada	General.	3, 551
Porto Bello 2	28	31	Pan.	A. Tagaropoulos.	Darien, R. P.	Colon, R. P.	(15)	3
Republie 8	28	30	Amer.	U. S. Army	Honolulu, T. H.	New York, N. Y.	General.	600
Raranger	28	29	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	London, England	Frozen, gen.	6, 300
S-47 7	29		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-42 7	29		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Tatnall 9	29		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Kastor	28	29	Greek	Seaboard Ship. Co.	Br. Columbia.	S'ampton, Eng.	Lumber.	7, 848
Sambu 2	29	31	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	48
Sona 2	29	30	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	33
Ludington 8	27	31	Amer.	U. S. Army	Honolulu, T. H.	New York, N. Y.	General.	2, 062
Utacarbon 1	28	31	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Paulsboro, N. J.	(21)	4, 132
Dallas City	29	30	Brit.	Reardon-Smith Line.	Osaka, Japan.	N. of Hatteras.	Sugar	9, 000
Ebba 2	30	9	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	60
Loriga 2	29	30	Brit.	Pacific Steam Nav. Co.	Taleahuano, Chile	Liverpool, Eng.	Copper, gen.	8, 132
Kohn.	29	30	Ger.	North German Lloyd.	Chimbote, Peru.	Hamburg, Ger.	General.	8, 113
Karmt 2	30	30	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Baltimore, Md.	Nitrate	8, 530
Steel Worker.	30	30	Amer.	Isthmian S. S. Lines.	Townsend, Wash.	Mobile, Ala.	Paper, gen.	500

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>7</sup> Submarine. <sup>8</sup> Transport. <sup>9</sup> Destroyer. <sup>13</sup> Patrol boat. <sup>14</sup> For orders. <sup>15</sup> Plantains, lumber. <sup>16</sup> Lumber, fruit, general. <sup>17</sup> Sugar, cotton goods, general. <sup>18</sup> Sugar, pineapples. <sup>19</sup> Coffee, tagua, hides. <sup>20</sup> Copper, cotton, sugar. <sup>21</sup> Refined petroleum products.

## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Dallington Court	30	30	Brit.	Canadian Transp. Co.	Cowichan, Br. Col.	Hull, England	Wheat, lum.	8,700
Minnesota	30	30	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	6,454
Knute Nelson <sup>2</sup>	30	31	Nor.	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	General	7,460
Marconi <sup>2</sup>	31	1	Pan.	H. Obarrjo	Darien, R. P.	Cristobal, C. Z.	Bananas	80
San Anselmo	30	31	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,804
Leiv Eriksson <sup>1, 2</sup>	31	31	Nor.	T. Dannevig & Co.	Los Angeles, Cal.	Curacao, N.W.I.	Stove oil	14,029
American	31	31	Amer.	Amer.-Hawaiian Line	S. Francisco, Cal.	Baltimore, Md.	(15)	5,405
King Gruffydd	31	31	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Hull, England	Wheat, lum.	7,988
Nako Maru <sup>2</sup>	31	1	Jap.	Nippon Yusen Kaisya	Iloilo, P. I.	Baltimore, Md.	Sugar, gen.	7,265
Moldanger <sup>2</sup>	31	1	Nor.	Interocean S. S. Corp.	Portland, Oreg.	Rotterdam, Neth.	Grain, gen.	7,645
Nitro <sup>13</sup>	30	2	Amer.	U. S. Navy	San Diego, Calif.	Norfolk, Va.	Supplies	1,068
Soloy <sup>2</sup>	1	1	Nor.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Hull, England	Lumber	7,071
Hoegh Hood <sup>1, 2</sup>	1	1	Nor.	H. P. Drewry, Paris.	LaLibertad, Equa.	Donges, France	Crude oil	13,999
Laila	1	1	Dan.	Wessel, Duval & Co.	San Antonio, Chile	New York, N. Y.	Grain, copper	2,309
Pacific President <sup>2</sup>	1	1	Brit.	Furness, Withy & Co.	Victoria, B. C.	London, England	General	7,959
Tura <sup>2</sup>	1	2	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Real <sup>2</sup>	1	2	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	33
Tamara	1	2	Brit.	Shaw, Savill & Albion	Lyttelton, N. Z.	London, England	Frozen, gen.	3,893
Salvador	1	8	Brit.	Pacific Steam Nav. Co.	Cahmp'ioe, Gnat.	Cristobal, C. Z.	General	842
Santa Maria <sup>2</sup>	2	2	Amer.	Graec Line	Valparaiso, Chile	New York, N. Y.	General	4,038
Nevada	2	3	Fr.	French Line	Talcahuano, Chile	Basse Indre	Copper, gen.	8,271
Santore	2	2	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,500
Patria <sup>2</sup>	2	3	Ger.	Hamburg-Amer. Line	Valparaiso, Chile	Hamburg, Ger.	General	4,586
Maui	2	3	Amer.	Baltimore Mail Co.	S. Francisco, Cal.	New York, N. Y.	General	5,164
Montanan	2	2	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	5,579
Point Bonita	2	2	Amer.	Swayne & Hoyt	Seattle, Wash.	Panama City, Fla.	General	5,496
Yomachichi <sup>2</sup>	31	3	Amer.	Roosevelt S. S. Co.	Brisbane, Aust.	Norfolk, Va.	General	2,356
Goslar	2	4	Ger.	North German Lloyd	South Pacific	Boston, Mass.	(16)	7,412
Colombia <sup>2</sup>	3	5	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	1,020
Oakland <sup>2</sup>	3	4	Ger.	Hamburg-Amer. Line	Vancouver, B. C.	Hamburg, Ger.	General	7,017
Nikos T.	3	3	Greek	Canadian Transp. Co.	Victoria, B. C.	London, England	(17)	7,550
Ino <sup>2</sup>	3	5	Neth.	Royal Neth. S. S. Co.	Guayaquil, Equa.	Cristobal, C. Z.	(18)	380
Orotava	4	5	Hond.	United Fruit Co.	La Union, Salv.	New Orleans, La.	(19)	1,064
Ann Stathatos	4	4	Greek	American Export Co.	Dairen, China	Vera Cruz, Mex.	(20)	7,306
Douro <sup>2</sup>	4	7	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	150
Kanawha <sup>1</sup>	4	7	Amer.	U. S. Navy	Los Angeles, Cal.	Cristobal, C. Z.	Gasoline, oil	6,666
S-25 <sup>7</sup>	4	4	Amer.	U. S. Navy	San Diego, Calif.	Cristobal, C. Z.		
S-29 <sup>7</sup>	4	4	Amer.	U. S. Navy	San Diego, Calif.	Cristobal, C. Z.		
Nemours <sup>2</sup>	4	8	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	159
Noparo <sup>6</sup>	4	4	Amer.	N. B. Woolworth	Los Angeles, Cal.	N. London, Conn.	Ballast	
Peter Maersk <sup>2</sup>	4	5	Dan.	Maersk Line	Cebu, P. I.	New York, N. Y.	General	5,589
Susan V. Luckenbach	4	4	Amer.	Luerksen Line	Tacoma, Wash.	Boston, Mass.	Lumber, gen.	6,342
Porto Bello <sup>2</sup>	4	4	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Plantains	2
Pennsylvania Sun <sup>1, 2</sup>	4	5	Amer.	Sun Oil Co.	El Segundo, Cal.	Marcus Hook, Pa.	Gasoline	17,465
Occidental <sup>1</sup>	4	6	Amer.	The Texas Co.	Los Angeles, Cal.	Bayonne, N. J.	Gasoline	8,381
Mayari	5	5	Pan.	United Fruit Co.	Puntarenas, C. R.	Boston, Mass.	Ballast	
Goodleigh	5	5	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	London, England	Lumber	9,560
Daronia <sup>1, 2</sup>	5	5	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Rotterdam, Neth.	Petroleum	11,024
San Diego	5	6	Fr.	French Line	Vancouver, B. C.	Havre, France	General	6,395
Hanley	5	5	Amer.	Weyerhaeuser S.S. Co.	S. Francisco, Cal.	New Jersey	Lumber, gen.	7,920
Chincha	5	5	Amer.	Am.-So. African Line	Seattle, Wash.	Baltimore, Md.	(21)	6,396
Santa Isabel <sup>2</sup>	29	7	Nic.	B. Guerrero	Corinto, Nic.	Bluefields, Nic.	Sugar	40
Oremar	5	5	Amer.	Calmar Line	Tacoma, Wash.	Philadelphia, Pa.	(22)	7,084
Cerigo	5	6	Ger.	Hamburg-Amer. Line	Guayaquil, Equa.	Cristobal, C. Z.	Coffee, gen.	790
Bethore	5	6	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,500
Virgilio <sup>2</sup>	5	7	Ital.	Italian Line	Valparaiso, Chile	Genoa, Italy	General	2,394
San Angelo	5	6	Amer.	Quaker Line	Portland, Oreg.	New York, N. Y.	Lumber, gen.	7,016
Steel Mariner	5	6	Amer.	Isthmia S. S. Lines	Portland, Oreg.	Avonm'th, Eng.	General	7,957
Calmar	6	6	Amer.	Calmar Line	Astoria, Oreg.	Baltimore, Md.	Copper, lum.	6,072
Ida Bakke <sup>2</sup>	6	6	Nor.	Knutsen Line	Seattle, Wash.	Glasgow, Scotland	General	7,642
Wind Rush	6	6	Amer.	Shepard S. S. Co.	Pt. Angeles, Wash.	Boston, Mass.	Lumber, gen.	7,764
Mosfrut <sup>2</sup>	6	6	Nor.	M. Mosvold Farsund.	S. Francisco, Cal.	Liverpool, Eng.	(23)	849
Kurama Maru <sup>2</sup>	6	7	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	New Orleans, La.	General	7,559
Marconi <sup>2</sup>	7	8	Pan.	D. Campodonicco	Darien, R. P.	Cristobal, C. Z.	Bananas	48
Tornus <sup>1, 2</sup>	7	7	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N.W.I.	Kerosene	11,279
Mahimahi	7	7	Amer.	Matson Nav. Co.	Honolulu, T. H.	Baltimore, Md.	(24)	8,825
Woodcock <sup>4</sup>	7	7	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	Tow, barge	
Tomislav	7	7	Y-Slav.	Chile Nit. Sales Corp.	Iquique, Chile	Azores, 14	Nitrate	8,050
Mosli <sup>1, 2</sup>	7	7	Nor.	Petroleos Mexicanos	Guaymas, Mexico	Tampico, Mexico	Ballast	
Husvik <sup>2</sup>	7	7	Brit.	J. S. Webster & Sons	N. Westm'r, B.C.	Kingston, Jam.	Lumber, gen.	1,917
Osnabru <sup>2</sup>	7	8	Ger.	North German Lloyd	Corral, Chile	Hamburg, Ger.	General	5,757
Lt. Col. H. C. Schumm <sup>4</sup>	7	8	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Marore	8	8	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,500
Santa Rita <sup>2</sup>	8	8	Amer.	Graec Line	Chanaral, Chile	New York, N. Y.	General	1,648

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>6</sup> Yacht. <sup>7</sup> Submarine. <sup>13</sup> Supply ship. <sup>14</sup> For orders. <sup>15</sup> Lumber, potash, general. <sup>16</sup> Flour, concentrates. <sup>17</sup> Oats, iron ore, lumber. <sup>18</sup> Coffee, hides, wood. <sup>19</sup> Coffee, bananas. <sup>20</sup> Soy beans, general. <sup>21</sup> Pulp, lumber, general. <sup>22</sup> Lumber, wood pulp. <sup>23</sup> Fresh canned fruit. <sup>24</sup> Sugar, canned pineapples.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Mexican.....	7	8	Amer.	Amer.-Hawaiian Line.	Los Angeles, Cal.	Boston, Mass. . . .	Lumber, gen.	8,810
Northland <sup>2</sup> 13.	8	10	Amer.	U. S. Coast Guard.	Oakland, Calif. . .	Boston, Mass. . . .	.....	.....
Talaraltie <sup>1</sup> . . . .	8	8	Brit.	Imperial Oil Ship. Co.	Talara, Peru . . . .	Aruba, N. W. I. . .	Refined oil.	3,484
Orion <sup>12</sup> . . . . .	8	8	Brit.	British Government.	San Diego, Calif. .	Kingston, Jam. . .	.....	.....
Gracia . . . . .	8	8	Brit.	Donaldson Line. . . .	Victoria, B. C. . .	Glasgow, Scotland	General. . . .	5,670
Pereira . . . . .	8	9	Pan.	Grace Line. . . . .	Champano, Guat. .	Cristobal, C. Z. . .	General. . . .	886
Cellina <sup>2</sup> . . . . .	8	9	Ital.	Italian Line. . . . .	Vancouver, B. C. .	Trieste, Italy. . . .	Wheat, gen.	7,493
City of Los Angeles.	8	9	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y. . .	General. . . .	5,201
Queen City . . . .	8	9	Brit.	Anglo-Can. S. S. Co.	Victoria, B. C. . .	London, England	(13)	7,600
Sambu <sup>2</sup> . . . . .	8	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P. . . .	Cristobal, C. Z. . .	Bananas . . . .	48
Sona <sup>2</sup> . . . . .	8	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P. . . .	Cristobal, C. Z. . .	Bananas . . . .	35
Real <sup>2</sup> . . . . .	8	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P. . . .	Cristobal, C. Z. . .	Bananas . . . .	45
Jacob Luckenbach	8	8	Amer.	Luckenbach Line . . .	Seattle, Wash. . .	Tampa, Fla. . . . .	General. . . .	2,749
American Oriole .	8	9	Amer.	Puget Sd. Lum. Co. . .	Pt. Angeles, Wash.	New York, N. Y. . .	Lumber. . . . .	7,600
Tekoa . . . . .	9	9	Amer.	N. Z. Shipping Co. . .	Auckland, N. Z. . .	Glasgow, Scotland	Frozen, gen.	5,691
Coloradan . . . .	9	9	Amer.	Amer.-Hawaiian Line.	Seattle, Wash. . .	Baltimore, Md. . . .	Lumber, gen.	6,210
Clausina <sup>1</sup> 2 . . . .	9	9	Brit.	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Curacao, N.W.I. .	Gasoline. . . .	11,421
Fernglen <sup>2</sup> . . . .	9	9	Nor.	Fern Line. . . . .	Cebu, P. I. . . . .	New York, N. Y. . .	(14)	8,500
Tokai Maru <sup>2</sup> . . .	9	10	Jap.	Osaka Syosen Kaisya.	Dairen, China. . . .	Antwerp, Belgium	General. . . .	5,492
Lt. Col. H. C. Schumm. <sup>4</sup>	9	9	Amer.	U. S. Army . . . . .	Balboa, C. Z. . . .	Cristobal, C. Z. . .	.....	.....
Boskoop . . . . .	9	9	Neth.	Royal Neth. S. S. Co.	Corral, Chile . . .	Hamburg, Ger. . . .	Nitrate, gen.	6,868
Lochgail <sup>2</sup> . . . .	9	9	Brit.	Royal Mail Lines . . .	Victoria, B. C. . .	Rotterdam, Neth.	(15)	7,507
Husearcen <sup>2</sup> . . . .	9	10	Ger.	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger. . . .	General. . . .	7,465
Athina Livanos. . .	9	10	Greek	Joseph Pyke & Sons.	Portland, Oreg. . .	Manchester, Eng. . .	Wheat. . . . .	8,300
Willimoto <sup>2</sup> . . . .	10	10	Amer.	Arrow Line . . . . .	Astoria, Oreg. . . .	Baltimore, Md. . . .	Lumber. . . . .	7,053
Quito <sup>2</sup> . . . . .	9	9	Ger.	North German Lloyd.	Guayaquil, Ecu. . .	Cristobal, C. Z. . .	Coffee, gen.	647
Falcon . . . . .	10	10	Amer.	Grace Line. . . . .	San Antonio, Chile	New York, N. Y. . .	Mineral, gen.	2,175
Wisconsin . . . . .	9	9	Fr.	French Line. . . . .	Vancouver, B. C. .	Havre, France. . . .	General. . . .	6,149
Gertrude Kellogg <sup>1</sup>	10	10	Amer.	Kellogg S. S. Corp. . .	Manila, P. I. . . .	New York, N. Y. . .	Coconut oil.	6,685
Columbia Star <sup>2</sup> . .	10	10	Brit.	Blue Star Line. . . . .	N. Westm'er, B. C.	Newcastle, Eng. . .	Frozen, gen.	6,577
Forbes Hauptman .	10	10	Amer.	McCormick S. S. Co.	Seattle, Wash. . . .	Philadelphia, Pa. . .	Lumber, gen.	7,365
Kyusyu Maru <sup>2</sup> . .	10	10	Jap.	Osaka Syosen Kaisya.	Davao, P. I. . . . .	Baltimore, Md. . . .	General. . . .	6,374
Alabaman . . . . .	10	10	Amer.	Amer.-Hawaiian Line.	Portland, Oreg. . .	Boston, Mass. . . .	Lumber, gen.	6,894
Colombia <sup>2</sup> . . . .	10	10	Pan.	Elliot Ship. & Land Co.	B'ventura, Col. . .	Cristobal, C. Z. . .	Coffee . . . . .	526
Clio <sup>2</sup> . . . . .	10	10	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu. . .	Cristobal, C. Z. . .	(16)	409

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>12</sup> Cruiser. <sup>13</sup> Coast Guard ship. <sup>14</sup> Lumber, grain, general. <sup>15</sup> Chrome ore, sugar. <sup>16</sup> Wheat, lumber, general. <sup>16</sup> Coffee, tagua, balsam.

Comparison of Traffic at the Suez and Panama Canals for the Fiscal Years 1939 and 1938

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1939	1938	Increase	Decrease	1939	1938	Increase	Decrease
July . . . . .	509	551	.....	7.6	429	457	.....	6.1
August . . . . .	522	531	.....	1.7	468	505	.....	7.3
September . . . .	508	522	.....	2.7	438	444	.....	0.9
October . . . . .	540	557	.....	3.1	494	461	7.2	.....
November . . . . .	495	526	.....	5.9	505	435	16.1	.....
December . . . . .	503	541	.....	7.0	500	439	15.0	.....
January . . . . .	472	544	.....	13.2	525	444	18.2	.....
February . . . . .	496	508	.....	2.4	501	436	14.9	.....
March . . . . .	536	578	.....	7.3	553	506	9.3	.....
April . . . . .	509	516	.....	1.4	496	487	1.8	.....
May . . . . .	508	479	6.1	.....	506	405	8.8	.....
June . . . . .	474	469	1.1	.....	479	445	7.6	.....
Total . . . . .	6,072	6,322	.....	4.3	5,903	5,524	6.9	.....

Postal and Telegraphic Address of The Panama Canal

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

The cable and radio address of The Panama Canal, on the Isthmus, is "Pan canal, Panama;" in the United States, "Pan canal, Washington."

## Tolls Charges for Transit of the Panama Canal

(Effective March 1, 1938)

1. Complete transit (one way):
  - (a) Merchant vessels, yachts, army and navy transports, colliers, hospital ships, and supply ships, when carrying passengers or cargo—  
Per net vessel-ton of 100 cubic feet each of actual earning capacity—that is, the net tonnage determined in accordance with the Rules for the Measurement of Vessels for the Panama Canal----- \$0.90
  - (b) Vessels in ballast without passengers or cargo—  
Per net vessel-ton----- .72
  - (c) Other floating craft, including warships, other than transports, colliers, hospital ships, and supply ships—  
Per ton of displacement----- .50
2. Part transit:  
Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
3. Free transit:  
Vessels transiting the Panama Canal by prearrangement from Cristobal to Balboa and return for the sole purpose of having repairs made at Balboa drydock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

---

### Official Publications of Interest to Shipping

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters," and the current tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C.Z.; or, when more convenient, to The Panama Canal, Washington, D.C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa, a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

---

### Coal

Coal, bunker, U. S. Navy Standard Pool No. 1, run-of-mine, Pocahontas, or New River, is supplied to steamships, including warships of all nations, trimmed in bunkers at the following prices, per ton of 2,240 pounds: Cristobal, first 250 tons, \$7.75 per ton; second 250 tons, \$7 per ton; balance over 500 tons, \$6.50 per ton. Balboa, first 250 tons, \$10.75 per ton; second 250 tons, \$10 per ton; balance over 500 tons, \$9.50 per ton.

Extra charges are made in accordance with a published tariff for special trimming at the request of the officers of the ship, for galley, lump, or run-of-mine coal in sacks, and for delivery, when coal is furnished from lighters or launches away from the coaling piers.

Coal can be bunkered by bunkering machines at any rate up to 1,500 tons per hour, regulated by the amount of necessary trimming.

Coal for cargo is sold under the same conditions and at prices quoted for sale of coal for bunkers.

## Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices to individuals and companies, as of May 11, 1939:

Commodities	Unit	Price
Brass, bar, average.....	Lb.	\$0.23
Brass, sheet, average.....	Lb.	.30
Bronze, Tobin, average.....	Lb.	.22
Gasoline, motor grade.....	Gal.	.10
Metal, yellow.....	Lb.	.26
Oskum, Navy, spun.....	Lb.	.18
Oakum, Navy, unspun.....	Lb.	.18
Oil, gun and ice machine.....	Gal.	.31
Oil, engine, gas, light, in drums, No. 2135.....	Gal.	.28
Oil, engine, gas, extra heavy, in cases, No. 2250.....	Gal.	.32
Oil, engine, gas, extra heavy, in drums, No. 2250.....	Gal.	.30
Oil, kerosene, in drums.....	Gal.	.10
Oil, marine, engine.....	Gal.	.50
Paint, lead, white, dry.....	Lb.	.11
Paint, lead, white, in oil.....	Lb.	.12
Paint, zinc oxide, dry.....	Lb.	.09
Paint, zinc oxide, in oil.....	Lb.	.12
Grease, gear, chain and wire rope, lubricating.....	Lb.	.05
Grease, yellow, cup, medium.....	Lb.	.07
Grease, yellow, cup, hard.....	Lb.	.07
Soda, ash.....	Lb.	.03
Waste, cotton, colored.....	Lb.	.11
Waste, cotton, white.....	Lb.	.13

## Lubricating Oils

The following is a list of the different kinds of lubricating oil carried in stock at Panama Canal storehouses, and a brief description of each of the oils with a statement of the purpose for which it is generally used.

Requisitions and orders for oils placed with the storekeepers should state the name (including number, if any) of the oil desired exactly as given on the following list:

### STATEMENT OF STANDARD LUBRICATING OILS AND THEIR USES

#### OILS, FORCE FEED AND MOTOR CYLINDER

*Medium, No. 2135.*—A medium oil for the lubrication of main turbines not driving through reduction gears, dynamos, and small internal combustion engines. Not to be used for steam cylinder lubrication.

*Heavy, No. 2190.*—A heavy oil that will separate quickly from water. For the lubrication of turbines with reduction gears, medium size internal combustion engines, and forced feed on main engines. A heavy bodied oil for use on auxiliary equipment.

*Extra heavy, No. 2250.*—An extra heavy oil for the lubrication of medium size internal combustion engines, power cylinders, air compressors, and bearings of Diesel engines.

*Ultra heavy, No. 2310.*—An ultra heavy oil for the lubrication of power cylinders, air compressors, and bearings of large Diesel engines.

*Tractor, heavy, No. 3100.*—A very heavy body oil for aircraft engines, high speed gasoline engines, motor trucks, motor boats, motor cycles, and Diesel engines S. A. E.-50.

*Diesel engine lubricating.*—For Diesel engines.

#### OILS, MISCELLANEOUS

*Ammonia cylinder (gun and ice machine grade No. 125).*—A refined petroleum oil without the admixture of fatty oils, resins, soap, or other compounds not derived from petroleum. For the lubrication of the cylinders of ice machines, pneumatic tools, and hydraulic systems.

*Car and locomotive.*—A lubricant on journals of all cars, passenger coaches, steam and electric locomotives.

*Castor.*—Grade "A." Used for lubricating purposes of the highest grade.

*Cutrie, soluble cutting.*—A mixture of soluble alkali soap in mineral and fixed saponifiable oils. For use in turret lathes and bolt machines.

*Fish.*—Used as a rust preventative and for tempering.

*Lard.*—For use on pipe cutting and threading machines.

*Insulating.*—Switch (Electrical Division).

*Insulating.*—Transformer (Electrical Division).

*Lubricant (gear, chain and wire rope).*—For lubrication and protection of chains, wire rope, and gears of cranes, dredges, steamshovels, etc.

*Machine, odorless.*—For use on typewriters.

*Marine engine, No. 4065, compounded.*—A compound of mineral with vegetable oil for the lubrication of reciprocating engines and auxiliaries where oiling is done by hand or through wick feed or drop oilers, also for thrust bearings. Must not be used for circulating of forced feed systems.

*Mineral steam cylinder, No. 5150.*—For use on reciprocating steam engines using dry saturated steam. For noncondensing steam engine cylinder lubrication (valve oil).

*Mineral steam cylinder, superheated.*—For use on reciprocating steam engines using superheated steam.

*Neatsfoot.*—For softening and preserving leather.

*Solvent.*—Rust-preventing lubricant, for general use.

*Sperm.*—Used principally by U. S. Navy.

**Current Net Prices on Fuel Oil and Diesel Oil**

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from the tanks of the Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1 per barrel at Cristobal and Balboa; Diesel oil, \$1.65 per barrel at Cristobal and Balboa.

**Provisions Required by Ships**

Commissary Division, Panama Railroad Company, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats (including native beef), ice, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery, or for delivery at the other terminal after transit.

**Density of Water in Balboa and Cristobal Harbors**

Place.	Weight of sea water in ounces per cubic ft.			Rainy season. Average tempera- ture. Degrees F.
	Average.	Maximum.	Minimum.	
Cristobal (between docks 8 and 9).....	1018	1020	1013	84.0
Balboa (dock 18).....	1011	1021	1005	83.0

(NOTE.—The above is based on two months' observations at Cristobal and Balboa. Average taken at 12-foot depth. Minimum occurred after heavy rain at 3-foot depth at Cristobal and 12-foot depth at Balboa. The weight of a cubic foot of fresh water at 85° F. is 995 ounces.

**Information from American Consuls**

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

**Facilities for Shipping**

The Panama Canal is equipped with all the facilities for the fueling, supply, and repairs of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from ample stocks at both ends of the Canal. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as ice, meats (including native beef), fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, and tobacco, which are for sale to ships at reasonable prices. Orders may be placed in advance by radio for prompt delivery on arrival at either terminal, or for delivery at the other terminal after transiting the Canal.

A 1,000-foot drydock, a smaller drydock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large, covered piers for the storage of cargo. These are modern structures: fireproof, rat proof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal during the years of operation.

**Trips Through the Canal**

The following lines operating passenger carrying vessels through the Canal carry local passengers from one terminal to the other: Grace Line, Johnson Line, Hamburg-American Line, North German Lloyd, Navigazione Generale Italiana, Pacific Steam Navigation Co. The Panama Pacific Line carries passengers from Balboa to Cristobal only, their rate being \$10, first class only. The rate is \$5 on the Grace Line, Johnson Line, and Pacific Steam Navigation Co., and \$6 on the Hamburg-American Line, North German Lloyd, and Navigazione Generale Italiana vessels, first class passage. The Pacific Steam Navigation Company also have a rate of \$4 second class and \$2 third class.

**Hours of Departure of Passenger Trains**

Following are the hours of departure of the regular passenger trains of the Panama Railroad running between the Atlantic and the Pacific sides:

From Colon: Daily, 7:00 a. m.; 11 a. m.; 5 p. m.; 10 p. m.

From Panama: Daily, 7:05 a. m.; 1:10 p. m.; 5 p. m.; 7:55 p. m.

The time required for passage from one terminal to the other is 1 hour and 25 minutes.

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL  
PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.



Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXIII Balboa Heights, C. Z., September 15, 1939 No. 2

## Traffic Through the Panama Canal in August 1939

The total vessels of all kinds transiting the Panama Canal during the month of August 1939, and for the same month in the two preceding years, are shown in the following tabulation:

	August 1939			August	
	Atlantic to Pacific	Pacific to Atlantic	Total	1938	1937
Ocean-going commercial traffic.....	252	238	490	468	505
Small commercial vessels <sup>1</sup> .....	38	32	70	84	70
Noncommercial vessels:					
United States Government.....	22	18	40	49	34
Colombian Government.....				1	1
For repairs.....	1	1	2	1	1
Total.....	313	289	602	602	611

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC <sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the 12-month period ended August 31, 1939, as compared with the 12-month period ended August 31, 1938:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1938-9	1937-8	1938-9 <sup>3</sup>	1937-8 <sup>4</sup>	1938-9	1937-8	1938-9	1937-8
September.....	438	444	2,005,241	2,139,000	1,998,464	2,385,142	\$1,741,895.46	\$1,935,673.78
October.....	494	461	2,276,194	2,182,000	2,359,673	2,438,788	1,977,706.76	1,981,087.87
November.....	505	435	2,302,333	2,110,000	2,223,830	2,185,283	1,984,014.72	1,893,462.00
December.....	509	439	2,336,011	2,070,000	2,374,395	2,046,170	2,031,017.04	1,845,048.20
January.....	525	444	2,380,916	2,053,000	2,393,360	2,095,402	2,062,454.16	1,837,894.72
February.....	501	436	2,282,318	1,993,000	2,296,963	1,998,827	1,996,735.66	1,786,611.45
March.....	553	506	2,586,580	2,311,526	2,664,068	2,268,548	2,252,156.28	2,015,585.34
April.....	496	487	2,278,326	2,258,836	2,472,504	2,279,235	1,999,851.16	1,961,456.58
May.....	506	465	2,341,894	2,150,228	2,538,949	2,309,171	2,053,502.16	1,886,825.66
June.....	479	445	2,268,679	2,064,793	2,437,087	2,122,389	1,977,431.94	1,801,291.78
July.....	485	429	2,254,398	2,193,816	2,317,697	2,025,600	1,974,380.72	1,694,205.00
August.....	490	468	2,247,009	2,177,699	2,385,039	2,171,674	1,964,776.48	1,890,050.74
Total.....	5,981	5,459	27,559,899	25,443,898	28,372,029	26,326,289	24,015,922.54	22,529,193.12

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>3</sup> Panama Canal net tonnage as figured under rules which became effective March 1, 1938.

<sup>4</sup> Estimated tonnage under rules which became effective March 1, 1938.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons (Panama Canal measurement), which transited the Panama Canal during the month of August 1939. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic.

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	38	1,404	\$1,086.48	499
Pacific to Atlantic.....	32	1,086	960.84	1,034
Total.....	70	2,490	2,047.32	1,533

Traffic by Nationality of Vessels<sup>6</sup> for August 1939

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British.....	4113	581,909	\$503,843.56	512,079
Chilean.....	2	10,025	9,022.50	4,620
Danish.....	17	68,980	61,744.14	82,226
French.....	14	54,048	47,839.68	53,826
German.....	27	102,311	92,008.44	109,127
Greek.....	12	55,104	47,664.54	71,741
Honduran.....	5	6,804	6,066.36	5,788
Italian.....	4	24,869	22,382.10	11,178
Japanese.....	22	128,639	115,775.10	159,183
Netherlands.....	23	43,688	37,274.76	29,972
Norwegian.....	53	243,823	207,766.98	260,786
Panamanian.....	17	29,720	25,456.68	37,742
Swedish.....	8	39,299	33,246.72	50,912
United States.....	169	839,667	739,197.90	971,257
Yugoslav.....	4	18,123	15,487.02	24,602
Total.....	490	2,247,009	1,964,776.48	2,385,039

<sup>5</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>6</sup> Includes 1 naval vessel of 8,600 displacement tons.

## Traffic by Trade Routes for August 1939

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo is frequently laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	59	303,110	232,713	61	311,108	458,966
East coast United States and:						
Canada.....	1	4,645		3	11,712	20,512
Central America/Mexico.....	3	4,824	7,756	3	4,828	1,624
South America.....	16	69,975	17,887	16	66,252	163,980
Hawaiian Islands.....	2	9,837	6,400	7	33,808	59,057
Australasia.....	7	33,186	39,859	1	5,192	7,412
Philippine Islands.....	8	43,054	45,613	8	42,370	54,377
Far East.....	26	134,841	209,232	5	29,800	36,890
Canada intercoastal.....				1	10,977	
East coast Canada and:						
United States.....	1	4,261	8,047			
Australasia.....	4	21,225	19,489	3	15,328	10,287
Far East.....	1	6,153	8,037			
Central America/Mexico intercoastal.....	1	6,264	11,505	1	6,264	
East coast Central America/Mexico and Far East.....				1	4,061	7,306
South America intercoastal.....	7	10,126	16,485			
East coast South America and:						
United States.....	1	4,550	4,059			
Canada.....	3	12,903	13,419	2	8,825	11,002
Far East.....	2	10,358	9,471	1	5,331	2,353
Cristobal and:						
United States.....				1	6,204	9,768
Central America/Mexico.....	4	2,806	2,962	5	3,322	4,158
South America.....	15	8,962	6,175	20	12,251	7,736
West Indies and:						
United States.....	2	11,787		2	9,914	20,110
Canada.....				1	1,391	1,917
South America.....	1	5,435	11,569	1	1,617	3,484
Europe and:						
United States.....	10	37,308	8,801	12	54,498	85,740
Canada.....	34	177,878	32,908	42	218,763	322,131
Central America/Mexico.....	1	3,272	5,484			
South America.....	29	151,376	42,291	19	103,481	148,616
Hawaiian Islands.....				1	6,258	13,499
Australasia.....	6	47,730	33,051	13	79,477	84,895
Far East.....	2	12,361	8,295	4	21,473	27,658
Egypt and South America.....	1	4,042				
Africa and:						
United States.....	1	5,183				
South America.....				1	3,715	7,424
Around the world.....	2	14,572	7,145	1	5,561	5,484
Vessels not engaged in commerce.....	7	665		8	530	
Total.....	252	1,162,698	808,653	238	1,084,311	1,576,386

<sup>7</sup> Includes 1 yacht and 1 fishing boat.

<sup>8</sup> Includes 1 yacht and 1 naval vessel.



### Origin and Destination of Cargo by Major Areas, August 1939

The following table summarizes the origin of cargo passing through the Canal in August 1939, and its destination by major geographical trade areas:

#### ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States.....	236,867	17,533	264,361	17,079	43,190	579,030
Other North America.....	9,755	15,506	4,443	26,157	21,203	77,064
Europe.....	28,751	17,363	1,443	34,105	28,006	109,668
Miscellaneous.....	17,311	482	9,253	15,845	.....	42,891
Total.....	292,684	50,884	279,500	93,186	92,399	808,653

#### PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	453,411	46,053	182,161	10,212	691,837
Canada.....	20,512	5,435	213,836	3,082	242,865
Other North America.....	60,217	5,008	14,668	.....	79,893
South America.....	160,596	15,183	147,979	7,482	331,240
Australasia.....	10,674	7,024	84,895	1	102,594
Asia.....	91,322	9,898	26,250	487	127,957
Total.....	796,732	88,601	669,789	21,264	1,576,386

### Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more tons either during August 1939 or August 1938, are listed below:

Commodity	August		Commodity	August	
	1939	1938		1939	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts.....	18,822	15,093	Beans, edible, dry.....	8,000	13,684
Canned food products.....	14,982	7,962	Canned food products.....	111,417	106,265
Cement.....	11,926	8,037	Coffee.....	10,570	16,527
Chemicals.....	12,224	10,083	Cold storage (food products) <sup>9</sup> .....	26,642	32,618
Coal and coke.....	31,704	14,197	Copra.....	10,097	24,542
Coffee.....	10,330	8,028	Flour.....	8,744	13,389
Cotton, raw.....	10,698	21,099	Fruit, dried.....	20,885	24,803
Iron and steel.....	127,671	124,583	Fruit, fresh <sup>10</sup> .....	18,317	22,249
Machinery.....	13,114	11,181	Lumber.....	371,124	268,374
Manufactured goods (unclassified).....	19,178	12,301	Metals, various.....	47,325	49,003
Metals, various.....	13,560	26,725	Molasses and syrups.....	14,201	296
Oils, mineral.....	81,431	75,325	Nitrates.....	52,498	84,082
Ores.....	10,310	2,491	Oils, mineral.....	241,476	310,114
Paper.....	35,618	48,532	Oils, vegetable.....	16,619	14,281
Phosphates.....	30,268	1,494	Ores.....	192,217	161,261
Scrap metal.....	116,449	41,068	Paper.....	14,256	12,712
Sulphur.....	32,414	20,289	Phosphates.....	16,732	6,400
<i>Pacific to Atlantic</i>			Soy beans.....	25,278	36,309
Barley.....	12,511	39,850	Sugar.....	124,311	102,833
			Wheat.....	81,773	43,757
			Wood pulp.....	23,634	13,345

<sup>9</sup> Does not include fresh fruit.

<sup>10</sup> Does not include bananas.

### Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of August 1939, as reported in the cargo declarations showing the movement by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise, but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts			4	478
Agricultural implements	703	23	3,617	47
Alfalfa meal		196		388
Ammonium compounds	109		5,735	
Animal foods <sup>11</sup>	33	35	33	94
Apparel, wearing (hats, shoes, clothing, etc.)	36		43	1
Asbestos	666		4,016	
Asphalt and tar	202		2,455	785
Automobiles (and autotrucks)	750	31	10,474	46
Automobile parts and accessories	870	4	8,348	19
Bags and bagging, textile	279		457	30
Bamboo and products				327
Bananas				2,122
Barks, miscellaneous				73
Barley				12,511
Beans, edible, dry		4,033		8,000
Beer			259	10
Blood and tankage			287	50
Bones and bone meal			2,468	
Books and printed matter			5	8
Borax		495		6,285
Bran and pollards	159	673	159	2,842
Bricks and tile	253		2,189	
Canned and preserved goods:				
Fish	1,008	7,027	1,423	9,216
Fruit	1,419	27,014	1,474	74,149
Meat	63	116	2,133	700
Milk	20		771	437
Soup	5,383	150	5,490	150
Vegetables	1,174	8,303	1,189	8,809
Miscellaneous and unclassified	2,172	16,701	2,502	17,956
Carbon black	4		480	
Celite		220		220
Cement	756	5	11,926	304
Chalk			100	69
Charcoal	41	14	751	14
Chemicals <sup>11</sup>	6,810	2,128	12,224	2,963
Clay, china and fire	575	184	692	523
Clay, filtering		107		256
Coal	1,620		19,736	
Cocoa and cacao beans	125		420	1,085
Coconuts and products <sup>11</sup>	124	1,277	417	3,847
Coffee	522	69	10,330	10,570
Coke	350		11,968	7
Cold storage and refrigerated products:				
Dairy products	67	20	259	10,347
Eggs		4		229
Fish	40	135	56	899
Lard	610	4	824	11
Meats	46	3	95	14,458
Poultry		59		68
Vegetables		100		343
Other and unclassified	111		135	287
Confectionery	1,466		1,525	
Copra		13	30	10,097
Corn	7,512		8,137	
Cotton, raw	333	431	10,698	7,186
Cresote	20		7,787	
Drugs and medicines	3,271	217	3,539	305
Dyes			430	2
Earthenware			369	383
Eggs, dried				15
Electrical apparatus and appliances	2,649	228	3,859	264
Enamel and metal ware	1,020	192	2,129	319
Explosives		10	749	11
Extract, quebracho			1,689	
Fertilizers <sup>11</sup>	176	190	1,955	665
Fish, salted or dry-cured			5	
Fish meal				880
Floor coverings	2,752	874	3,092	1,026
Flour	324	4,978	2,360	8,744
Fruit, dried	74	10,256	93	20,885
Fruit, fresh <sup>11</sup>		3,320	18	18,317
Furniture and household goods	829	312	989	594
Gallnuts				70
General	15,917	6,983	47,024	16,608
Glass and glassware	2,508	195	5,563	770
Gluc	92	66	92	66
Grains <sup>11</sup>				248
Groceries	2,312	626	2,729	826

<sup>11</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Gums.....		26	3	93
Hair, all kinds.....	86	13	86	115
Hay.....		310		603
Hemp, unmanufactured.....	59	50	95	2,576
Honey.....		118		254
Hops.....		29		29
Horns and hoofs.....			135	26
Infusorial earth.....	30	530	30	1,010
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	77,440	418	127,671	512
Ivory nuts.....	23		113	1,611
Jute, unmanufactured.....			72	37
Lard substitute.....				34
Lime.....			224	
Liquors.....	3,595	53	5,815	72
Lumber (including manufactured mill products).....	2,384	177,619	7,461	371,124
Machinery.....	1,869	556	13,114	814
Malt.....			30	
Manufactured goods <sup>11</sup> .....	7,849	1,667	19,178	3,282
Marble and granite.....			172	
Matches.....	514	43	664	43
Metals:				
Antimony.....			60	50
Copper.....	591	4,775	3,682	23,402
Gold and silver.....			5	922
Iron.....	3,198		5,482	42
Lead.....	55	103	103	11,672
Tin.....		355	848	770
Zinc.....	84	10	1,500	8,470
Other and unclassified.....	128	76	1,880	1,997
Milk, powdered.....		354	49	354
Molasses and syrups.....	241		251	14,201
Nitrates.....	2,315	687	4,127	52,498
Nuts, edible (including meats).....		135	488	1,030
Oats.....	209	12	213	7,111
Oil, mineral:				
Crude.....	42	18,762	17,027	68,975
Gas and fuel.....		34,941	33,037	44,763
Gasoline, benzine, and naphtha.....		40,701	4,804	89,013
Kerosene.....	5	9,138	886	36,981
Lubricating and greases.....	7,922	1,084	25,638	1,647
Other and unclassified.....	39		39	97
Oils, vegetable:		550		8,732
Coconut.....				
Cottonseed.....	48		849	
Linseed.....	42		130	
Olive.....	38	1	424	1
Peanut.....		14		16
Rapeseed.....				15
Teased.....				362
Wood.....	92	11	92	1,974
Other and unclassified.....	186	33	788	5,519
Oil, fish.....	381	541	541	645
Oil, whale.....				163
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....	38	165	1,985	1,433
Oilseed cake and meal.....	538		580	5,521
Ores:				
Antimony.....		92		1,025
Chrome.....				5,850
Copper.....		155	6,539	8,339
Gold and silver.....				4
Iron.....	706	16	716	137,666
Lead.....			540	5,102
Magnesite.....		1,723		2,228
Manganese.....			126	7,116
Tin.....		125		1,448
Zinc.....	18		270	2,528
Other and unclassified.....	57	100	2,119	20,911
Paints and varnishes.....	1,811	134	2,962	145
Paper and paper products <sup>11</sup> .....	12,566	8,421	35,618	14,256
Peanuts.....	448		448	582
Peas, dry.....		279		448
Peatmoss.....				
Phosphates.....	8		658	
Plaster.....	7,932		30,268	16,732
Porcelainware.....			55	
Potash.....	202	18	787	2,108
Pyrethrum flowers.....		2,669		2,669
Rags and waste.....	202			45
Railroad material.....	2,289	62	1,764	358
			6,167	

<sup>11</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Rice.....	860	673	986	1,864
Rope and twine.....	223	64	314	243
Rosin.....	1,615	35	3,518	69
Rubber:				
Manufactured.....	640	345	1,327	413
Raw.....			2	2,333
Scrap.....	48	186	2,875	257
Salt.....	270	803	5,467	803
Sand.....	913		3,315	9
Scrap metal.....	129	648	116,449	2,180
Seeds (except oilseeds).....	82	2,869	557	3,488
Shells, oyster.....	459		519	380
Silk, raw.....		151	21	1,838
Skins and hides.....		1,069	374	5,867
Slate.....	3,815		3,815	
Soaps and products.....	3,001	55	3,073	122
Soda and sodium compounds:				
Soda ash.....	360		1,190	453
Soda, caustic.....	563		2,318	500
Miscellaneous and unclassified.....	860		1,061	99
Soy beans.....	672		672	25,278
Spices.....	363	19	394	112
Sugar.....		17,789	311	124,311
Sulphur.....	7,370	36	32,414	56
Talc.....		54	6	254
Tallow.....	582	121	693	2,424
Tea.....	77	15	137	787
Textiles <sup>12</sup> .....	5,389	58	8,943	3,406
Tinplate.....	1,245	32	9,399	285
Tobacco and manufactures.....	272	154	2,296	539
Toilet preparations.....	531		579	190
Turpentine.....	205		307	
Vegetables, dry <sup>11</sup> .....		92		995
Wallboard.....	115		366	981
Wax, paraffin.....	99		1,083	408
Wheat.....		101	244	81,773
Wines.....	36	1,027	556	2,672
Wood pulp.....	1,260	17,738	2,485	23,634
Wool.....	49	3,220	101	6,651
Total, August 1939.....	236,867	453,411	808,653	1,576,386
Total, August 1938.....	193,699	347,346	639,159	1,532,515
Total, August 1937.....	276,304	433,150	1,062,590	1,718,013

<sup>11</sup> Except as otherwise classified.<sup>12</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of August 1939:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	10	59,215		9	56,446	104,409
East coast United States and:						
Philippine Islands.....				1	3,694	<sup>14</sup> 6,685
Far East.....	1	6,905	11,917			
Central America/Mexico intercoastal.....	1	6,264	11,505	1	6,264	
South America intercoastal.....	2	6,837	13,294			
Cristobal and United States.....				1	6,204	9,768
West Indies and:						
United States.....	2	11,787		2	9,914	20,110
South America.....	1	5,435	11,569	1	1,617	3,484
Europe and:						
United States.....	2	9,442	<sup>13</sup> 7,760	4	26,869	51,356
South America.....	7	41,550		4	25,269	50,104
Hawaiian Islands.....				1	6,258	<sup>15</sup> 13,499
Far East.....	1	6,324				
Total.....	27	153,759	56,045	24	142,535	259,415

<sup>13</sup> Creosote.<sup>14</sup> Coconut oil.<sup>15</sup> Molasses.

## Comparison of Canal Traffic in August 1939, with August Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of August			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915.....	<sup>16</sup> 148	(000 omitted) 455	(000 omitted) 571	1915.....	<sup>17</sup> 100	(000 omitted) 334	(000 omitted) 466
1916.....	131	410	506	1916.....	60	184	258
1917.....	161	472	578	1917.....	145	447	588
1918.....	152	417	534	1918.....	165	506	627
1919.....	183	542	716	1919.....	162	472	576
1920.....	238	877	1,040	1920.....	199	659	781
1921.....	230	893	839	1921.....	232	879	965
1922.....	250	1,003	1,166	1922.....	222	880	907
1923.....	445	2,065	2,168	1923.....	325	1,434	1,631
1924.....	369	1,759	1,958	1924.....	429	2,016	2,249
1925.....	364	1,646	1,912	1925.....	382	1,761	1,996
1926.....	450	2,063	2,320	1926.....	424	1,909	2,169
1927.....	525	2,324	2,429	1927.....	441	2,020	2,311
1928.....	510	2,252	2,424	1928.....	521	2,269	2,468
1929.....	519	2,364	2,680	1929.....	524	2,293	2,554
1930.....	455	2,165	2,147	1930.....	502	2,310	2,502
1931.....	377	1,847	1,788	1931.....	447	2,140	2,089
1932.....	298	1,533	1,348	1932.....	364	1,820	1,650
1933.....	393	1,997	1,913	1933.....	347	1,758	1,513
1934.....	401	2,077	2,188	1934.....	436	2,201	2,059
1935.....	395	1,944	2,019	1935.....	432	2,143	2,109
1936.....	473	2,218	2,396	1936.....	449	2,160	2,209
1937.....	505	2,402	2,781	1937.....	449	2,119	2,342
1938.....	468	2,178	2,172	1938.....	460	2,163	2,282
1939.....	490	2,247	2,385	1939.....	492	2,264	2,322
				(8 mos. cal. yr. 1939)	504	2,330	2,427

<sup>16</sup> Canal opened August 15, 1914.

<sup>17</sup> Average for 10½ months.

### Terminal Activities

Ships repaired during the month of August 1939, numbered 38. Vessels released from drydock numbered 8. Fuel oil amounting to 294,095 barrels was delivered as bunkers to 145 commercial vessels. Bunker coal amounting to 4,901 tons was delivered to 17 commercial ships. Sales of commissary supplies to ships aggregated \$52,115.

### Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons	25,452	12,279	37,731
Local cargo shipped..... tons	1,987	1,123	3,110
Cargo received for transshipment..... tons	54,209	57	54,266
Cargo transhipped..... tons	48,195	60	48,253
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	3	1	4
Number of releases issued.....	48	17	65
Tons received.....	31	12	43
Tons withdrawn.....	68	14	82

### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels including those transiting Canal.....	556	3,307,931	1,974,776	523	3,016,429	1,820,535
Vessels entering port but not transiting Canal.....	60	338,699	180,270	6	29,542	19,895
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	173	1,012,796	608,469	110	687,241	409,307
<i>Ships clearing</i>						
All vessels, including those transiting Canal.....	551	3,262,576	1,947,165	512	2,961,451	1,784,806
Vessels clearing port but not transiting Canal.....	63	345,864	184,555	4	26,982	17,355
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	169	980,316	588,604	109	689,605	410,945

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight August 10, 1939, to midnight September 10, 1939. Figures after names of vessels show, respectively, tons discharged and tons laden:

Ulua, 361, 963	Choluteca, 50 $\frac{1}{2}$ , 104	Pirre, 0, 7	City of Baltimore, 191, 0	Kano Maru, 645, 0
American Press, 792, 24	West Ivis, 73, 91	Santa Barbara, 301, 36	0	Choluteca, 832, 516
Arminda, 350, 251	Benjamin Franklin, 21	Musa, 851, 4	Kaipaki, 101, 49	Thorstrand, 5, 0
Kinka Maru, 426, 0	0	Cadmus, 135, 77	Axel Johnson, 112, 233	Contessa, 626, 448
Nero, 270, 393	Flandre, 83, 480	Losada, 6, 260	Nuevo Panama, 0, 197	Real, 0, 41
Pericles, 10,860, 0	Orotava, 171, 1,175	City of Norfolk, 364, 0	Cefalu, 406, 439	Oregon, 0, 57
Colombia, 92, 15	Akagi Maru, 34, 125	Santore, 12,057, 0	Bretagne, 216, 0	Musa, 821, 214
Pasajero, 0, 4	Veragua, 78, 383	Francis R. Hart, 5,864, 0	Salvador, 795, 731	Hollywood, 0, 288
Orazio, 100, 0	Istmo, 0, 56	Hannover, 119, 404	Platano, 950, 5	Mathew Luckenbach, 0, $\frac{1}{2}$
Pereira, 0, 702	Phoenicia, 1, 1,686	Bethore, 9,944, 0	Santa Lucia, 185, 1 p.kg.	San Pablo, 295, 172
Sona, 0, 13	Colombia, 463, 357	Cristobal, 1,920, 618	Imperial, 65, 0	Valparaiso, 392, 0
Abraham Linecln, 4, 240	Ino, 266, 113	Ciss, 0, 932	Oregon, 112, 0	Hokuroku Maru 328, 111
Aconegagua, 11, 0	Orestes, 151, 1,593	Seattle, 686 $\frac{1}{2}$ , 802	Leipzig, 32, 322	Laurits Swenson, 22, 405
Santos, 234, 713	Telde, 510, 247	Canadian Star, 289, 0	Ancon, 3,239, 637	Santa Clara, 425, 40
Nemours, 553, 386	Santa Marta, 389, 99	Maravi, 0, 99	Comayagua, 2, 307	San Anselmo, 809, 46
Santa Paula, 65 $\frac{1}{2}$ , 298	Clio, 248, 223	Antigua, 262, 394	Helder, 0, 48	Panama, 2,551, 774
Talamanca, 12, 42	Bogota, 795, 944	Colombia, 512, 251	Tai Yin, 823, 0	Bretagne, 0, 260
Loehkatrine, 185, 281	Vinland, 2, 55	Nero, 165, 76	Talamanca, 181, 174 $\frac{1}{2}$	Pereira, 1,070, 432
Frankfurt, 0, 75	Colombia, 0, 432	Durazzo, 685, 0	Telde, 252, 152	Colombia, 282, 377
Lautaro, 1, 45	San Vincente, 1,249, 15	Ino, 83, 584	Bennekom, 289, 2,403	City of Newport News, 378, 0
Arica, 863, 280	Cerigo, 106, 982	John Cabot, 1,007, 228	Sixaola, 471, 146	Quirigua, 427, 551
Cefalu, 601, 371	Douro, 70, 84	Tolea, 951, 80	San Bernardino, 282, 70	Santa Barbara, 245, 23
Spreewald, 8, 130	Lagarto, 193, $\frac{1}{2}$	Keiyo Maru, 164, 0	Colombia, 932, 263	Ulua, 1,147, 175
City of San Francisco, 365, 0	Daytonian, 150, 0	Santa Rita, 340, 49	Orotava, 1,068, 153	Dinteldijk, 254, 97
Platano, 840, 0	Pasajero, 51, 13	Lochmonar, 383, 103	Kiyokawa Maru, 641, 6	Costa Rica, 134, 200 lbs.
Deborah, 0, 74 $\frac{1}{2}$	Quirigua, 49, 248	Evanger, 33, 171	Politiean, 280, 0	Pasajero, 0, 4
Santa Lucia, 496, 9	Santa Elena, 61, 231	Jefferson Myers, 468, 29	Grete Maersk, 663, 228	Alkmaar, 0, 36
Penelope, 13,993, 0	Gertrude Maersk, 195, 129	Margaret Lykes, 1,298, 569	Douro, 2, 170	Ino, 611, 208
Yamagiri Maru, 701, 0	Cordillera, 117, 21	Lima, 192, 162	Pericles, 57, 849	Naruto Maru, 609, 0
San Antonio, 173, 329	Frisia, 0, 52	Amerika, 15, 25	Chio, 437, 586	Nordstjernen, 1,083, 396
Duesseldorf, 29, 1,740	Fella, 181, 2	Jamaica, 11, 30	Laguna, 53, 0	Sambu, 0, 113
Panama, 3,811, 734	Erria, $\frac{1}{2}$ , 71	Santa Rosa, 374, 304	Nemours, 727, 0	
Acajutla, 775, 733	Este, 58, 491	Santa Inez, 395, 7	Nero, 532, 233	
Nuevo Panama, 0, 173	Contessa, 308, 404	Silverbelle, 737, 0	Santa Paula, 85, 448	
Santa Maria, 595, 106	Monserrate, 189, 1,000	Skjelbred, 520, 0	Veragua, 123, 264	
Genevieve Lykes, 321, 0	Delfdijk, 100, 207	West Caetus, 7 $\frac{1}{2}$ , 0	Orbita, 95, 56	
	Rafaela, 4,007, 0			

### BALBOA

City of San Francisco, 175, 12	Gertrude Maersk, 102, 10	Tai Yin, 184, 0	Grant, 42, 25	City of Newport News, 209, 0
Chateau Thierry, 284, 0	Republie, 214, 189	Steel Exporter, 652, 0	Ciss, 0, 1	Santa Barbara, 149, 10
Santa Lucia, 13, 2	City of Norfolk, 256, 0	West Portal, 1,462, 0	Santa Lucia, 168, 21	City of Norfolk, 0, 5
Santa Maria, 119, 6	Moshi, 0, 5	City of Los Angeles, 0, 58	Grete Maersk, 208, 0	Nordstjernen, 950, 0
John Bakke, 68, 0	Thorshavn, 10,516, 0	Santa Rita, 116, 0	Norfolk Maru, 73, 0	Hunter Liggett, 596, 0
Vinland, 216, 0	West Ira, 3,256, 0	City of Baltimore, 211, 0	Akatuki Maru, 12,635, 0	
Sylvan Arrow, 12,146, 0	Brazilian Refeer, 62, 0		Santa Clara, 6, 5	

Note.—Figures shown represent short tons of 2,000 pounds.

### Passengers

During August 1939, ocean-ship passengers debarking at Cristobal numbered 2,947, embarking 2,465; at Balboa, 1,115 debarking, 919 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 7,639; from the Pacific to the Atlantic, 3,042. Commercial aircraft numbering 59 entered Cristobal with 313 passengers debarking; clearances were 57 with 318 passengers embarking. Balboa entries of aircraft numbered 53, with 130 passengers debarking; clearances were 53, with 129 passengers embarking.

### Provisions Required by Ships

Commissary Division, Panama Railroad Company, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats (including native beef), ice, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery, or for delivery at the other terminal after transit.

**Movements of Ocean Vessels Through the Panama Canal**  
**From midnight August 10, 1939, to midnight September 10, 1939**

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Chilore .....	9	11	Amer.	Ore S. S. Corp. ....	Baltimore, Md...	Cruz Gr'de, Chile	Ballast .....	
Ollanta <sup>2</sup> .....	3	12	Peruv.	Capt. W. Leembuis ..	Bremerh'n, Ger...	Callao, Peru....	Ballast .....	
Weser <sup>2</sup> .....	10	11	Ger...	North German Lloyd.	Hamburg, Ger...	Portland, Oreg...	General....	9,200
British Columbia Express. <sup>2</sup> .....	10	11	Nor...	Fruit Express Line...	Rotterdam,Neth.	Los Angeles, Cal.	Ballast .....	
California Star <sup>2</sup> ..	10	11	Brit...	Blue Star Line.....	London, England	Vancouver, B. C.	Ballast .....	
Dalhanna .....	11	11	Brit...	Anglo-Can. S. S. Co.	Liverpool, Eng...	No. Pacific ports.	Ballast .....	
Svealand <sup>2</sup> .....	11	11	Swed.	Ore S. S. Corp. ....	Baltimore, Md...	Cruz Gr'de, Chile	Ballast .....	
Andrea F. Lucken- bach. ....	11	11	Amer.	Luckenbach Line....	Tampa, Fla.....	Seattle, Wash...	General....	10,632
Hylton <sup>2</sup> .....	11	11	Brit...	C. H. Sprague & Son.	Norfolk, Va....	Shanghai, China.	Coal.....	8,643
K. R. Kingsbury <sup>1</sup>	11	11	Amer.	Standard Oil Co....	Providence, R. I.	S. Francisco, Cal.	Ballast .....	
Col. Riche <sup>3</sup> .....	1	1	Amer.	U. S. Army .....	Cristobal, C. Z.	Gatun, C. Z....	Tow barge.	
Nicoleine Maersk <sup>2</sup>	11	12	Dan.	Ivai Co. ....	Philadelphia, Pa.	Yokohama, Japan	Scrap iron.	7,354
Paul Luckenbach.	11	12	Amer.	Luckenbach Line....	Boston, Mass...	Seattle, Wash...	General....	4,050
Hunchiffe .....	11	12	Brit.	Port Line .....	New York, N. Y.	Dunedin, N. Z...	General....	3,663
Vinni <sup>2</sup> .....	11	12	Nor...	S. Ditlev Simonsen.	New York, N. Y.	Yawata, Japan...	Scrap steel.	8,401
Marymar .....	12	12	Amer.	Calmar Line .....	Baltimore, Md...	Seattle, Wash...	Steel, gen.	5,060
Colombia <sup>2</sup> .....	10	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col...	General....	950
Yamazato Maru <sup>2</sup>	12	13	Jap.	Yamashita Line....	Buenos Aires,Arg.	Kobe, Japan....	General....	5,430
Osonro .....	8	12	Ger	Hamburg-Amer. Line.	Hamburg, Ger...	Valparaiso, Chile.	General....	6,403
Nero <sup>2</sup> .....	11	12	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Enea.	General....	357
Chio <sup>2</sup> .....	10	12	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col...	General....	185
Liberty Glo. <sup>2</sup> .....	12	13	Amer.	McCormick S. S. Co.	Chester, Pa....	Seattle, Wash...	General....	4,000
E. J. Hooper <sup>5</sup> .....	11	11	Pan.	E. J. Hooper .....	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		
Lt. Col. H. C. Se- burnm. <sup>4</sup> .....	9	9	Amer.	U. S. Army .....	Cristobal, C. Z.	Balboa, C. Z....	Tow barge.	
Orazio <sup>2</sup> .....	12	13	Ital.	Italian Line .....	Genoa, Italy....	Valparaiso, Chile.	General....	734
Quito <sup>2</sup> .....	10	13	Ger	North German Lloyd.	Cristobal, C. Z.	Callao, Peru....	General....	470
Fernwood <sup>2</sup> .....	12	13	Nor...	Mitsubishi Line....	Philadelphia, Pa.	Osaka, Japan...	Steel, mach.	7,721
Lafome .....	13	13	Amer.	Amer.-For. S. S. Corp.	New Orleans, La.	Oakland, Calif.	Sulphur...	7,370
Pacific Pioneer <sup>2</sup>	13	14	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General....	571
Fodsdale .....	13	14	Brit.	Shaw, Savill & Albion	Glasgow, Scotland	Auckland, N. Z.	General....	5,817
Frisia <sup>2</sup> .....	13	13	Ger	Hamburg-Amer. Line.	Rio Hacha, Col.	Tumaco, Colom...	( <sup>15</sup> )	752
Sambu <sup>2</sup> .....	12	14	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z....	Ballast .....	
Louisianan .....	13	14	Amer.	Amer.-Hawaiian Line.	Baltimore, Md...	Tacoma, Wash...	General....	4,128
City of Newport News. ....	13	14	Amer.	Panama-Pacific Line..	New York, N. Y.	S. Francisco, Cal.	General....	3,735
Aconagua <sup>2</sup> .....	13	14	Chile.	Cia Sud Amer. de Vap.	Hamburg, Ger...	Valparaiso, Chile.	General....	574
Santos <sup>2</sup> .....	13	14	Swed.	Johnson Line .....	Goth burg, Swed.	Valparaiso, Chile.	General....	1,501
Pereira .....	12	14	Pan.	Grace Line .....	Cristobal, C. Z.	Champico, Guat.	General....	684
Sona <sup>2</sup> .....	12	14	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z....	Ballast .....	
Porto Bello <sup>3</sup> .....	14	14	Pan.	A. Tagaropoulos ..	Cristobal, C. Z.	Real, R. P....	General....	3
Frankfurt .....	14	15	Ger	North German Lloyd.	Bremen, Germany	Auckland, N. Z.	General....	5,463
Texan .....	15	15	Amer.	E. Oberrio .....	Boston, Mass...	Tacoma, Wash...	General....	3,600
Marconi <sup>2</sup> .....	14	15	Pan.	E. Oberrio .....	Cristobal, C. Z.	Balboa, C. Z....	Ballast .....	
J. Fred Talbot <sup>9</sup> ..	14	15	Amer.	U. S. Navy .....	Cristobal, C. Z.	Balboa, C. Z....	Ballast .....	
Ancon .....	4	15	Amer.	Panama R. R. Line...	New York, N. Y.	Balboa, C. Z....	Passengers.	
Loehkatrine <sup>6</sup> .....	14	15	Brit.	Royal Mail Lines...	Rotterdam,Neth.	Vancouver, B. C.	General....	1,245
Derryrane .....	15	15	Brit.	Hasegawa Boeki K.	Houston, Tex...	Yokohama, Japan	Scrap iron.	8,266
Chateau Thierry <sup>8</sup>	15	16	Amer.	U. S. Army .....	Brooklyn, N. Y.	S. Francisco, Cal.	General....	1,466
Aricia .....	14	16	Fr.	French Line .....	Havre, France.	Valparaiso, Chile.	General....	4,505
Spreewald <sup>2</sup> .....	15	16	Ger	Hamburg-Amer. Line.	New Orleans, La.	Cebu, P. I....	Gen., oil...	8,114
Appledore .....	16	16	Brit.	Seaboard Ship. Co.	Barry, England..	No. Pacific coast.	Ballast .....	
Ebba <sup>2</sup> .....	13	16	Pan.	E. Oberrio .....	Cristobal, C. Z.	Balboa, C. Z....	Ballast .....	
Utacarbon <sup>1</sup> .....	16	16	Amer.	Union Oil of Calif...	Paulsboro, N. J.	Los Angeles, Cal.	Ballast .....	
Sagadahoc .....	16	16	Amer.	Isthmian S. S. Lines.	Portland, Me....	Seattle, Wash...	General....	5,382
Deerpool .....	16	16	Brit.	Anglo-Can. S. S. Co.	Newp't News, Va.	Vancouver, B. C.	Ballast .....	
Penobscot <sup>2</sup> .....	16	19	Amer.	W. F. Henningsen.	Boston, Mass...	Portland, Oreg...	Ballast .....	
Lancaster Castle ..	16	17	Brit.	M. A. N. Z. Line ..	Three Riv., Can.	Sydney, Australia	Newsprint.	5,489
Real <sup>2</sup> .....	15	15	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z....	Ballast .....	
Pirre <sup>2</sup> .....	15	15	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z....	Ballast .....	
L-41 <sup>5</sup> .....	15	15	Amer.	U. S. Army .....	Cristobal, C. Z.	Balboa, C. Z....	Ballast .....	
Vida <sup>6</sup> .....	16	18	Hond.	Minera Agua Fria, S.A.	Pto. Cortez, Hon.	Los Angeles, Cal.	Ballast .....	
Missourian <sup>2</sup> .....	16	17	Amer.	Amer.-Hawaiian Line.	Boston, Mass...	Portland, Oreg...	General....	3,337
Redgate .....	16	17	Brit.	Chile Nit. Sales Corp.	Barry England..	Chile .....		
Kagu Maru <sup>2</sup> .....	17	17	Jap.	Kokusai Kisen Kaisha	Tampa, Fla....	Tokuyama, Japan	Phos. cotton.	7,826
Nicolaos D. L. ....	17	17	Greek	Anglo-Can. S. S. Co.	London, England	Vancouver, B. C.	Ballast .....	
West Ivis .....	17	17	Amer.	McCormick S. S. Co.	Buenos Aires,Arg.	Vancouver, B. C.	Coffee, gen.	4,246
Nemours <sup>2</sup> .....	13	17	Fr.	French Line .....	Cristobal, C. Z.	Manta, Ecuador.	General....	370
Benjamin Frank- lin. <sup>2</sup> .....	17	17	Nor...	Fred Olsen & Co....	Oslo, Norway...	Vancouver, B. C.	General....	1,247
Evina <sup>1</sup> .....	17	17	Nor...	Lorentzen & Co....	Cardiff, Wales..	Oakland, Calif..	Creosote....	7,760
Siranger .....	17	17	Nor...	Westfal, Larsen & Co.	Algiers, Africa..	Los Angeles, Cal.	Ballast .....	
Santa Maria <sup>2</sup> .....	17	18	Amer.	Grace Line .....	New York, N. Y.	Valparaiso, Chile.	General....	3,281

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>8</sup> Transport. <sup>9</sup> Destroyer.  
<sup>14</sup> Towing Frank from Gatun. <sup>15</sup> General, salt, gasoline.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
San Antonio	16	18	Fr.	French Line	Havre, France	Vancouver, B. C.	General	6,399
General W. M. Graham <sup>11</sup>	16	18	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Orotava	17	18	Hond.	United Fruit Co.	New Orleans, La.	La Libertad, Ecua.	Gasoline, gen	2,594
Trefusis	17	18	Brit.	Duval Sulphur Co.	Galveston, Tex.	Yarraville, Aust.	Sulphur	7,200
Northleigh	17	18	Brit.	Seaboard Ship. Co.	Barry, England	Vancouver, B. C.	Ballast	
Pennsylvania Sun, <sup>1</sup>	17	18	Amer.	Sun Oil Co.	Chester, Pa.	El Segundo, Cal.	Ballast	
Clausina <sup>1</sup>	18	18	Brit.	Anglo-Saxon Pet. Co.	Curacao, N.W.I.	Los Angeles, Cal.	Ballast	
Nuevo Panama <sup>2</sup>	16	18	Pan.	Elliot Ship. & Land Co.	B'quilla, Colom.	B'ventura, Col.	General	200
Julia Luckenbach	18	18	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Oil, gen.	3,112
Dusseldorf <sup>2</sup>	16	18	Ger.	North German Lloyd	Hamburg, Ger.	Corral, Chile	General	3,593
Annisson City	16	18	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Penang, Str. Sett.	Steel, gen.	8,235
Seebeli <sup>2</sup>	18	18	Nor.	Frdl Olsen Line	Sandefjord, Nor.	Los Angeles, Cal.	Ballast	
Malayan Prince <sup>2</sup>	18	18	Brit.	Prince Line, Ltd.	Boston, Mass.	Saigon, China	General	6,193
Col. Riche <sup>2</sup>	11	19	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge	
President Polk	19	19	Amer.	Amer. President Lines	New York, N. Y.	S. Francisco, Cal.	General	4,329
Anders Jahre <sup>1</sup>	18	19	Nor.	Standard Oil of N. J.	Rotterdam, Neth.	Talara, Peru	Ballast	
Lt. Col. H. C. Schumm, <sup>4</sup>	17	19	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow. barge	
Woodcock <sup>10</sup>	7	19	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Riptide <sup>13</sup>	14	19	Amer.	J. D. Payne	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Peggy Ann <sup>13</sup>	14	19	Amer.	J. D. Payne	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sandra <sup>13</sup>	14	19	Amer.	J. D. Payne	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Ino <sup>2</sup>	17	19	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	103
Frida	18	19	Dan.	West Coast Line	New York, N. Y.	Talcahuano, Chile	General	1,668
Talaralite <sup>1</sup>	18	19	Brit.	Imperial Oil Co.	B'quilla, Colom.	B'ventura, Col.	Gasoline	3,258
Mostun <sup>2</sup>	19	19	Nor.	Neptune Ship. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Iron pipes	640
Oregonian	19	19	Amer.	Amer.-Hawaiian Line	New York, N. Y.	Tacoma, Wash.	General	3,109
Norbris <sup>1</sup>	19	19	Pan.	Standard Oil of N. J.	Aruba, N. W. I.	Iquique, Chile	Fuel oil	11,569
Flomar	19	19	Amer.	Canmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,181
Colombia <sup>2</sup>	17	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	650
Vinland <sup>2</sup>	19	20	Nor.	Knutsen Line	Drammen, Nor.	Valparaiso, Chile	General	1,952
Karnat <sup>2</sup>	19	19	Nor.	Chile Nit. Sales Corp.	Norfolk, Va.	Tocopilla, Chile	Ballast	
Heranger <sup>2</sup>	19	19	Nor.	Intercean S. S. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Clio <sup>2</sup>	18	19	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	203
Gregalia	19	19	Brit.	Donaldson & Black	Glasgow, Scotland	Vancouver, B. C.	General	611
Point Brava	19	20	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General	6,046
Dorie Star	20	20	Brit.	Shaw, Savill & Albion	London, England	Pt. Chalmers, N.Z.	General	2,623
Steel Seafarer	20	20	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Haiphong, China	General	7,005
Maui	20	20	Amer.	Baltimore Mail Co.	New York, N. Y.	S. Francisco, Cal.	General	3,332
Orestes	17	20	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Valparaiso, Chile	General	2,553
Niel Maersk <sup>2</sup>	20	20	Dan.	A. P. Moller Co.	Boston, Mass.	Manila, P. I.	General	5,214
Sona <sup>2</sup>	19	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu <sup>2</sup>	19	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
San Vicente	19	21	Amer.	Quaker Line	Philadelphia, Pa.	San Diego, Calif.	General	3,128
Steel Worker	21	21	Amer.	Isthmian S. S. Lines	Pt. St. Joe, Fla.	Honolulu, T. H.	(14)	8,422
Eastern Trader	21	21	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	Steel, gen.	4,952
Wray Castle	21	21	Brit.	Chile Nit. Sales Corp.	Barry, England	Chile	Ballast	
Bronnoy <sup>2</sup>	21	21	Nor.	Canadian Transp. Co.	Botwood, Nfld.	Tacoma, Wash.	(15)	8,047
Eisenach	18	21	Ger.	North German Lloyd	Hamburg, Ger.	Punatarenas, C.R.	General	5,484
Republic <sup>8</sup>	21	22	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General	1,414
Cerigo	19	21	Ger.	Hamburg-Amer. Line	B'quilla, Colom.	Guayaquil, Ecua.	(16)	750
Columbian	21	21	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	General	2,409
Fernmoor <sup>2</sup>	21	22	Nor.	Fern Line	Norfolk, Va.	Yokohama, Japan	Scrap iron	7,101
Porto Bello <sup>2</sup>	21	21	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Fella <sup>2</sup>	21	22	Ital.	Italia Line	Genoa, Italy	Vancouver, B. C.	General	557
Kaimata <sup>2</sup>	21	22	Brit.	Trinder Anderson Co.	Philadelphia, Pa.	Adelaide, Aust.	General	4,197
Nyhorn <sup>2</sup>	22	22	Nor.	Knutsen Line	Cardiff, Wales	Vancouver, B. C.	Ballast	
St. Gobain <sup>1</sup>	22	22	Swed.	Raffineries de Berre	Pt. de Boue, Fr.	Talara, Peru	Ballast	
Trepa	21	22	J.-Slav.	Chile Nit. Sales Corp.	Liverpool, Eng.	Chile	Ballast	
Charles Christenson	22	23	Amer.	Arrow Line	Baltimore, Md.	Tacoma, Wash.	General	3,314
Acajutla	16	22	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	733
Tremoda	22	23	Brit.	Canadian Transp. Co.	Cardiff, Wales	Brit. Columbia	Ballast	
Lt. Col. H. C. Schumm, <sup>4</sup>	21	23	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Penrith Castle <sup>2</sup>	22	23	Brit.	Barber Line	Philadelphia, Pa.	Osaka, Japan	General	7,042
Mosli <sup>1</sup>	22	23	Nor.	Petroleos Mexicanos	Minatitlan, Mex.	Guaymas, Mexico	(17)	11,505
Port Montreal <sup>2</sup>	22	23	Brit.	M. A. N. Z. Line	Montreal, Canada	Dunedin, N. Z.	General	3,355
El Grillo <sup>1</sup>	22	23	Brit.	C. T. Bowring & Co.	Antwerp, Belgium	La Libertad, Ecua.	Ballast	
Lancaster	23	23	Amer.	Weyerhaeuser S.S. Co.	New York, N. Y.	Tacoma, Wash.	General	5,125
Ceronia <sup>1</sup>	23	23	Neth.	Anglo-Saxon Pet. Co.	Curacao, N.W.I.	Los Angeles, Cal.	Ballast	
Mokihana	23	23	Amer.	Matson Nav. Co.	Baltimore, Md.	Honolulu, T. H.	General	3,560
Somersby	23	23	Brit.	Anglo-Can. S. S. Co.	N. Shields, Eng.	Brit. Columbia	Ballast	
Iowan	23	23	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	3,268
Winnipeg	21	24	Fr.	Cie. France Nav.	Pauliac, France	Valparaiso, Chile	Passengers	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>8</sup> Transport. <sup>10</sup> Mine sweeper. <sup>13</sup> Sailboat.<sup>14</sup> General, steel, corn. <sup>15</sup> Copper, asbestos, ore. <sup>16</sup> General, beer, gasoline. <sup>17</sup> Gasoline, benzine, kerosene.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Pirre <sup>2</sup>	22	23	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	Flour	8
Enoch <sup>2</sup>	22	23	Pan	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		20
Losada <sup>2</sup>	23	24	Brit.	Pacific Steam Nav. Co.	Hull, England	Taleahuano, Chile	General	4,630
F. J. Luckenbach	24	24	Amer.	Luckenbach Line	Houston, Tex.	Seattle, Wash.	General	7,372
Canadian Reefer <sup>2</sup>	24	24	Dan.	J. Lauritzen	Rotterdam, Neth.	Seattle, Wash.	Ballast	
Tielbank	23	24	Brit.	Duval Sulphur Co.	Galveston, Tex.	Fremantle, Aust.	Sulphur	8,006
Marconi <sup>2</sup>	24	24	Pan	D. Campodonico.	Cispata, Colomb.	Aguadulee, R. P.	Cattle	50
Sinnington Court	24	24	Brit.	Canadian Transp. Co.	Barry, England	Vancouver, B. C.	Ballast	
Santore	23	24	Amer.	Ore S. S. Corp.	Newp't News, Va.	Cruz Gr'de, Chile	Ballast	
Montserrat <sup>2</sup>	22	24	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	3,755
Canadian Star <sup>2</sup>	24	25	Brit.	Blue Star Line.	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Gryfevale.	24	25	Brit.	Chile Nit. Sales Corp.	Alexandria, Egypt	Chile	Ballast	
Texas Sun <sup>1 2</sup>	25	25	Amer.	Sea Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Navarino	25	25	Brit.	Seaboard Ship. Co.	Newcastle, Eng.	Vancouver, B. C.	Ballast	
Maravi	24	25	Pan.	United Fruit Co.	New York, N. Y.	Quepas, C. R.	General	3,592
Marore.	25	25	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Bethore	23	26	Amer.	Ore S. S. Corp.	Norfolk, Va.	Cruz Gr'de, Chile	Ballast	
Sagebrush	25	26	Amer.	Shepard S. S. Co.	Albany, N. Y.	Seattle, Wash.	General	6,155
Harry Luckenbach.	26	26	Amer.	Luckenbach Line.	Providence, R. I.	Seattle, Wash.	General	6,635
Lapwing <sup>10</sup>	26	26	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Bahrein <sup>1</sup>	26	26	Pan.	Standard Oil of Calif.	Rouen, France.	Los Angeles, Cal.	Ballast	
Bogota <sup>2</sup>	18	26	Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecua.	General	834
Nero <sup>2</sup>	24	26	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	69
Colombia <sup>2</sup>	24	26	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	440
Milwaukee <sup>5</sup>	26	27	Amer.	H. E. Townsend	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Virginian	26	27	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	4,952
Goyo Maru	26	27	Jap.	Kawasaki K. Kaisha	New York, N. Y.	Niibama, Japan.	Coke, oil.	8,873
Dallas City <sup>2</sup>	27	27	Brit.	W. R. Smith & Sons.	Baltimore, Md.	Yokohama, Japan	Phosphate	9,008
Alamar.	27	27	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	8,433
Santa Rita <sup>2</sup>	26	27	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	General	2,456
City of Los Angeles.	27	28	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General	4,264
Sona <sup>2</sup>	26	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	26	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Evanger	27	28	Nor.	General S. S. Corp.	Buenos Aires, Arg.	Vancouver, B. C.	General	5,620
Lochmonar <sup>2</sup>	27	28	Brit.	Royal Mail Lines	Rotterdam, Neth.	Portland, Oreg.	General	1,986
Atutasan Maru <sup>2</sup>	28	28	Jap.	Mitsui Bussan Kaisha	New York, N. Y.	Dairen, China	( <sup>14</sup> )	8,415
Nieto de Larrinaga.	28	28	Brit.	Canadian Transp. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Royal Crown.	28	28	Brit.	Chile Nit. Sales Corp.	No. Shields, Eng.	Chile	Ballast	
Jefferson Myers.	27	28	Amer.	Pacific-Atlantic Co.	New York, N. Y.	Portland, Oreg.	( <sup>15</sup> )	5,943
Swiftscout <sup>1</sup>	28	28	Amer.	Petrol Corp.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Amerika <sup>2</sup>	28	28	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	401
Lebore	28	28	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Pacific Grove <sup>2</sup>	28	29	Brit.	Furness, Withy & Co.	Manchester, Eng.	Portland, Oreg.	General	660
Porto Bello <sup>3</sup>	28	28	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Col. Riche <sup>5</sup>	18	29	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Sorbolt	27	29	Nor.	De La Rama Line	Baltimore, Md.	Shanghai, China	General	2,845
Ino <sup>2</sup>	24	29	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	530
King John <sup>2</sup>	28	29	Brit.	Dodd, Thomson Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	
Mussolini <sup>2</sup>	28	29	Pan.	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
El Oso <sup>1</sup>	29	30	Brit.	C. T. Bowring & Co.	Birkenhead, Eng.	Cabo Bl'eo, Peru.	Ballast	
West Notus.	29	29	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	Steel, gen.	4,443
City of Roubaix.	28	29	Brit.	Ellerman S. S. Co.	Montreal, Canada	Osaka, Japan.	General	4,288
Amsterdam <sup>1</sup>	29	29	Neth.	H. Clarkson & Co.	Rotterdam, Neth.	Talara, Peru.	Ballast	
Axel Johnson <sup>2</sup>	29	30	Swed.	Johnson Line.	Goth'burg, Swed.	Vancouver, B. C.	Paper, gen.	3,122
General W. M. Graham. <sup>11</sup>	25	30	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow. barge.	
Ciss.	23	30	Nor.	Grace Line.	Maracaibo, Venez.	Champ'ico, Guat.	General	947
Cressington Court	29	30	Brit.	Seaboard Ship. Co.	Barry, England.	Vancouver, B. C.	Ballast	
Cathwood <sup>1</sup>	29	30	Amer.	Union Oil of Calif.	Savannah, Ga.	Los Angeles, Cal.	Ballast	
West Cactus.	29	30	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Seattle, Wash.	General	4,059
Agios Georgios IV	29	30	Greek.	Hasegawa Boeki K.	New York, N. Y.	Japan	Scrap iron.	8,536
Northumberland.	29	31	Brit.	N. Z. Shipping Co.	Liverpool, Eng.	Auckland, N. Z.	General	7,370
Point Judith.	30	31	Amer.	Swayne & Hoyt	New Orleans, La.	S. Francisco, Cal.	General	6,790
Santa Lucia.	30	31	Amer.	Grace Line.	New York, N. Y.	San Antonio, Chile	General	3,309
Col. Riche <sup>5</sup>	28	29	Amer.	U. S. Army	Cristobal, C. Z.	Gambo, C. Z.	Ballast	
Sambu <sup>2</sup>	29	29	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Leipzig <sup>2</sup>	29	31	Ger.	North German Lloyd.	Hamburg, Ger.	Valparaiso, Chile.	General	3,285
Evi Livanos.	30	31	Greek.	N. G. Livanos	London, England	Esteban, B. C.	Ballast	
Pennsylvania.	30	31	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	4,053
Nuevo Panama <sup>2</sup>	29	31	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Portarenas, C. R.	General	190
Snestad <sup>2</sup>	30	31	Nor.	Mitsubishi Shoji K.	New York, N. Y.	Yawata, Japan	Scrap iron.	7,009
La Brea <sup>1</sup>	31	1	Amer.	Union Oil of Calif.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Atlantic.	31	31	Amer.	Isthmian S. S. Lines.	Portland, Me.	Seattle, Wash.	Steel, gen.	7,447
Laura Maersk <sup>2</sup>	31	1	Dan.	Maersk Line.	Baltimore, Md.	Holio, P. I.	( <sup>16</sup> )	4,676
Nako Maru <sup>2</sup>	31	1	Jap.	Nippon Yusen Kaisha	Boston, Mass.	Osaka, Japan.	General	8,503
J. Fred Talbot <sup>9</sup>	30	1	Amer.	U. S. Navy	Gatun Lake, C. Z.	Balboa, C. Z.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>10</sup> Mine sweeper. <sup>11</sup> Mine planter. <sup>13</sup> For bananas and return to Cristobal. <sup>14</sup> Crude oil, general. <sup>15</sup> Steel, general, coal. <sup>16</sup> Scrap iron, general.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Rimutaka	31	1	Brit...	N. Z. Shipping Co.	London, England.	Wellington, N. Z.	General	4,371
Brynje <sup>2</sup>	31	1	Nor...	Canadian Transp. Co.	Fowey, England.	Vancouver, B. C.	General	5,949
Telde	31	1	Hond.	United Fruit Co.	New Orleans, La.	Acajutla, Salv.	General	1,943
Berganger <sup>2</sup>	31	1	Nor...	Interocean S. S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	.....
Kinross <sup>2</sup>	1	1	Brit...	Seaboard Ship. Co.	Leith, Scotland.	Vancouver, B. C.	Ballast	.....
Minnesotan	1	1	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	4,344
Mount Hymettus	31	1	Greek.	Rethymnis & Kuluk's	Savannah, Ga.	Kobe, Japan	Scrap steel	5,820
Elizabeth Kellogg <sup>1</sup>	31	2	Amer.	Dom. Tar. & Chemical	Montreal, Canada	Vancouver, B. C.	Croscote	6,981
Horace Luckenbach	1	2	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,623
San Bernardino	1	2	Amer.	Quaker Line	New York, N. Y.	Seattle, Wash.	General	6,305
Laila	1	2	Dan.	Wessel, Duval & Co.	Baltimore, Md.	Corral, Chile	General	2,313
Queen Victoria <sup>2</sup>	1	2	Brit...	Canadian Transp. Co.	London, England.	Brit. Columbia	Ballast	.....
Oakmar	2	2	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,773
Kim <sup>2</sup>	31	2	USSR	Soviet Govt	Lenin'd, Russia	Nogaiewo, Rus.	General	3,922
Colombia <sup>2</sup>	31	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	510
Charleston <sup>15</sup>	30	2	Amer.	U. S. Navy	Gatun Lake, C. Z.	Balboa, C. Z.	Ballast	.....
Eric <sup>15</sup>	1	3	Amer.	U. S. Navy	Gatun Lake, C. Z.	Balboa, C. Z.	Ballast	.....
Silversandal <sup>2</sup>	2	3	Brit...	Silver Line Ltd.	Boston, Mass.	Hongkong, China	General	3,446
Nordhval <sup>2</sup>	3	3	Dan.	Chile Nit. Sales Corp.	Glasgow, Scot.	Tocopilla, Chile.	Ballast	.....
Buenos Aires Marn <sup>2</sup>	3	4	Jap...	Osaka Shosen Kaisha.	Buenos Aires, Arg.	Kobe, Japan	Cotton, coff.	3,863
Illinoian	2	3	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	( <sup>14</sup> )	5,388
Bennekom	31	3	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	3,573
City of San Francisco	3	3	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General	4,508
Corrientes	2	4	Brit...	Donaldson Line	Glasgow, Scot.	Vancouver, B. C.	General	914
Trebartha	3	4	Brit...	Seaboard Ship. Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	.....
Clio	2	4	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	508
Douro <sup>2</sup>	2	4	Neth.	Royal Neth. S. S. Co.	Curacao, N. W. I.	Tumaco, Col.	General, oil	529
Anatina <sup>2</sup>	3	4	Nor...	W. I. Trading Co.	Copenhagen, Den	B'ventura, Col.	Cement	1,130
Port Wellington	3	4	Brit...	Port Line, Ltd.	London, England.	Adelaide, Aust.	General	4,862
Sona <sup>2</sup>	2	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Sambu <sup>2</sup>	2	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Point Bonita	3	4	Amer.	Swayne & Hoyt	Panama City, Fla.	Seattle, Wash.	General	5,388
Amerikaland <sup>2</sup>	3	4	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
American	3	4	Amer.	Amer.-Hawaiian Line.	New York, N. Y.	Tacoma, Wash.	General	3,448
Fernbrook <sup>2</sup>	4	4	Nor...	Fearnley & Eger	New Orleans, La.	Moji, Japan	( <sup>15</sup> )	6,580
City of Winchester	4	5	Brit...	Amer.-Australian	New York, N. Y.	Dunedin, N. Z.	General	2,263
Kimikawa Maru <sup>2</sup>	4	4	Jap...	K. Line	New York, N. Y.	Japan	Gen., coke	8,401
Porto Bello <sup>3</sup>	4	4	Pan.	A. Tagoropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Hopepeak <sup>2</sup>	4	6	Brit...	Anglo-Can. S. S. Co.	Havre, France	Los Angeles, Cal.	Ballast	.....
City of Elwood <sup>2</sup>	4	5	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Manila, P. I.	General	4,644
Mussolini <sup>2</sup>	4	5	Pan.	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
West Madaket	4	5	Amer.	Waterman S. S. Corp.	Mobile, Ala	Seattle, Wash.	General	3,261
Kaikoura	4	6	Brit...	M. A. N. Z. Line	Montreal, Canada	Adelaide, Aust.	General	5,875
Maria Stathatos	4	5	Greek.	Anglo-Can. S. S. Co.	Hull, England.	Brit. Columbia	Ballast	.....
Yamakaze Maru <sup>2</sup>	4	5	Jap...	Yamashita Kisen K.	Buenos Aires, Arg.	Kobe, Japan	Cotton, coff.	5,291
Salvador	29	6	Brit...	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	731
Bisca <sup>1</sup>	5	6	Nor...	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	.....
Jacob Luckenbach	6	6	Amer.	Luckenbach Line	Houston, Texas.	Tacoma, Wash.	General	7,022
Ebba <sup>2</sup>	6	6	Pan.	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Thorstrand <sup>2</sup>	5	6	Nor...	Fred Olsen & Co.	Oslo, Norway	Los Angeles, Cal.	Paper, fish	254
Atlanta City	6	6	Amer.	Isthmian S. S. Lines.	Mobile, Ala.	Seattle, Wash.	Steel, gen.	8,573
Montanan	6	6	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	S. Francisco, Cal.	General	4,223
Hollywood	5	6	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	6,906
Enoeh <sup>2</sup>	6	6	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>16</sup>	General	20
Pirre <sup>2</sup>	5	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Real <sup>2</sup>	5	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	41
Salamaua <sup>2</sup>	5	8	Brit...	W. R. Carpenter & Co.	London, England	Papua, Australia	( <sup>17</sup> )	5,357
Beckenham	6	7	Brit...	Anglo-Can. S. S. Co.	Antwerp, Belgium	Vancouver, B. C.	General	2,700
Fowberry Tower	6	8	Brit...	Wm. Milburn & Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	.....
Gemstone	7	7	Brit...	Canadian Transp. Co.	Hopewell, Va.	James Is., B. C.	Nit. of soda	3,054
Vestvard <sup>2</sup>	7	7	Nor...	Mitsubishi Shoji K.	New York, N. Y.	Yokohama, Japan	Scrap iron	6,964
Olney <sup>1</sup>	7	7	Amer.	Shell Pet. Co.	Fall River, Mass.	Los Angeles, Cal.	Ballast	.....
Santa Barbara <sup>2</sup>	7	8	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	3,253
J-62 <sup>5</sup>	6	8	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
San Anselmo	6	8	Amer.	Bridgeport Line.	Bridgeport, Conn.	Portland, Oreg.	General	5,570
William Strachan <sup>2</sup>	7	8	Nor...	Standard Oil of N. J.	S. Nicolas, N. W. I.	San Antonio, Chile	Fuel oil	9,038
Ferncliff <sup>2</sup>	7	8	Nor...	Chile Nit. Sales Corp.	Tampa, Fla.	Chile	Ballast	.....
Hanley	7	8	Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	Seattle, Wash.	General	6,450
Steelore	7	8	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Mexican	8	9	Amer.	Amer.-Hawaiian Line.	Philadelphia, Pa.	Tacoma, Wash.	General	5,778
Braganza <sup>2</sup>	7	9	Nor...	Ludv. C. Braathen	Newp't News, Va.	Kobe, Japan	Scrap iron	8,814
Susan V. Luckenbach	8	9	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	5,104

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>9</sup> Destroyer. <sup>13</sup> Gunboat. <sup>14</sup> General, paper, pipe.<sup>15</sup> Cotton, scrap iron. <sup>16</sup> For bananas and return to Cristobal. <sup>17</sup> Asphalt, cement, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
City of Norfolk	9	9	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General	3,820
Lodestone	9	9	Brit.	Chile Nit. Sales Corp.	Cardiff, Wales	Antof gasta, Chile	(14)	8,431
Herman F. Whitton	9	9	Amer.	Union Sulphur Co.	Galveston, Tex.	Tacoma, Wash.	Sulphur	7,500
Belpamela	9	9	Nor.	Belships Co.	Philadelphia, Pa.	Dairen, China	(15)	2,376
Kyusyu Maru 2	9	10	Jap.	Osaka Shosen Kaisha.	Boston, Mass.	Kobe, Japan	General	8,655
Lt. Col. H. C. Schumm 4	9	10	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Darlington Court 2	9	10	Brit.	Seaboard Ship. Co.	London, England	Los Angeles, Cal.	Ballast	
Michael J. Goulandris	10	11	Greek.	Anglo-Can. S. S. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Touraine 2	10	10	Nor.	L. I. Mach. & Equip.	New York, N. Y.	Japan	Scrap steel	8,700
Tai Shan 2	10	10	Nor.	Barber Line.	New York, N. Y.	Moji, Japan	Scrap iron	8,387
American Oriole	10	10	Amer.	McCormick S. S. Co.	Norfolk, Va.	Los Angeles, Cal.	General	6,757
Ino 2	9	10	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	189
Nordstjernen 2	9	11	Swed.	Johnson Line.	Hallstaviik, Swed.	Vancouver, B. C.	General	5,643
Sona 2	9		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	

PACIFIC TO ATLANTIC

Zannis L. Cambanis	10	11	Greek.	Embiricos, Ltd., Lond.	Britania, B. C.	Claymont, Del.	Pyrites ore	7,600
Ferncliff 2	11	11	Nor.	Chile Nit. Sales Corp.	Iquique, Chile	Norfolk, Va.	Nitrate	7,750
Chr. Knudsen 2	11	11	Nor.	Canadian Transp. Co.	Britania, B. C.	Dunkerque, Fr.	(16)	8,278
Hadleigh	11	11	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Liverpool, Eng.	Lumber	6,222
Nero 2	11	12	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	245
Alynbank 2	10	11	Brit.	Burns Philp & Co.	Sydney, N. S. W.	Karlshamn, Swed.	Copra, ore	8,124
Texas Sun 1 2	11	11	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	14,773
Pericles 1 2	11	13	Nor.	Kawasaki K. Kaisha.	Los Angeles, Cal.	Cristobal, C. Z.	(17)	9,768
Kinka Maru 2	11	12	Jap.	Kokusai K. Kaisha.	Manila, P. I.	Montreal, Canada	(18)	7,446
Porto Bello 2	11	14	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(19)	4
Lebore	12	12	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Pereira	9	14	Pan.	Grace Line.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Lewis Luckenbach	11	12	Amer.	Luckenbach Line.	Townsend, Wash.	Boston, Mass.	Lumber, gen.	10,770
President Herrenscheidt, 1 2	11	12	Nor.	Peechelbros.	Lobitos, Peru.	Donges, France.	Crude oil	13,349
La Brea 1	12	12	Amer.	Union Oil of Calif.	Pt. San Luis, Cal.	Baltimore, Md.	Crude oil	9,401
Asbjorn 2	12	12	Dan.	S. S. Owners Oper. Co.	Britania, B. C.	Claymont, Del.	Pyrites	7,685
Sambu 2	12	13	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	63
Sona 2	12	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	44
Westmoreland	13	13	Brit.	Fed. Steam Nav. Co.	Lyttelton, N. Z.	London, England	Frozen, gen.	5,925
Lika	13	13	Y-Slav.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores 27	Nitrate	7,652
Ebba 2	13	16	Pan.	H. Obarrio	Real, R. P.	Cristobal, C. Z.	Bananas	35
Pennsylvania	13	13	Amer.	Weyerhaeuser S.S. Co.	S. Francisco, Cal.	Chester, Pa.	(20)	7,510
Leonard Wood 8	9	14	Amer.	U. S. Army	Balboa, C. Z.	New York, N. Y.	General	125
Alaskan	13	13	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	6,083
Abraham Lincoln 2	13	14	Nor.	Fred Olsen & Co.	N.Westm'er, B.C.	Oslo, Norway	General	7,122
Nemours 2	13	17	Fr.	French Line.	B'ventura, Col.	Cristobal, C. Z.	Coffee	502
Olopana	13	13	Amer.	Matson Nav. Co.	Pt. Allen, T. H.	New York, N. Y.	(21)	8,142
Riptide 13	13	19	Amer.	J. D. Payne	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Peggy Ann 13	13	19	Amer.	J. D. Payne	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Sandra 13	13	19	Amer.	J. D. Payne	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
San Clemente	13	14	Amer.	Quaker Line.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,929
Marconi 2	14	15	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	49
Statora 2	14	14	Brit.	Mitsui & Co.	Rashin, Korea.	Falmouth, Eng.	Soy beans	8,800
J. Fred Talbot 9	14	15	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Point Caleta	14	14	Amer.	Swayne & Hoyt	Portland, Oreg.	New Orleans, La.	Lumber, gen.	7,062
Ensley City	14	14	Amer.	Isthmian S. S. Lines.	Kahului, T. H.	Baltimore, Md.	Pines, canec.	7,500
Benavon	14	14	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Hull, England	(22)	8,282
Oilpioneer 1 2	14	14	Brit.	Shell Oil Co.	Los Angeles, Cal.	Curacao, N.W.I.	Kerosene dis.	8,689
Texmar	14	14	Amer.	Calmar Line	Seattle, Wash.	Baltimore, Md.	Lumber	6,909
Lautaro 2	14	15	Brit.	Pacific Steam Nav. Co.	Pta. Arenas, Chile	Liverpool, Eng.	(23)	8,253
Brimanger 2	14	15	Nor.	Interocean S.S. Corp.	Portland, Oreg.	Rotterdam, Neth.	Lumber, gen.	7,167
Ellin	15	15	Greek.	Anglo-Can. S. S. Co.	Aberdeen, Wash.	Liverpool, Eng.	Lumber	7,450
Steel Ranger	15	15	Amer.	Isthmian S. S. Lines.	Hilo, T. H.	Baltimore, Md.	(24)	8,782
Blackheath	15	15	Brit.	Anglo-Can. S. S. Co.	Chemainus, B. C.	Liverpool, Eng.	Lumber, gen.	7,615
Pacific Exporter 2	15	15	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	Airpla's, gen.	8,472
Mobile City	15	15	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Baltimore, Md.	(20)	6,999
Dimitrios Chandris	15	15	Greek.	Anglo-Can. S. S. Co.	Vancouver, B. C.	London, England	Lumber	7,300
City of San Francisco	15	16	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	4,986
Rangitiki 2	15	15	Brit.	N. Z. Shipping Co.	Auckland, N. Z.	London, England	(25)	5,190
Oregon Express 2	15	15	Nor.	Fruit Express Line.	S. Francisco, Cal.	Glasgow, Scotland	(26)	1,826

1 Tanker. 2 Motor ship. 3 Tug. 4 Transport. 5 Destroyer. 13 Sailboat. 14 Patent fuel, coke. 15 Locomotives, general. 16 Pyrites, wheat, lumber. 17 Fuel and Diesel oil. 18 Sugar, rubber, general. 19 Plantains, lumber. 20 Lumber, pulp, canned goods. 21 Sugar, pineapples, tin. 22 Lumber, wheat, lead, berries. 23 Wool, skins, nitrate. 24 Sugar, canec, pineapples. 25 Meat, wool, general. 26 Fresh, dried, and canned fruits. 27 For orders.

## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Real <sup>2</sup>	15	16	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	13
Pirre <sup>2</sup>	15	16	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	50
Yamagiri Maru <sup>2</sup>	15	17	Jap.	Yamashita K. Kaisha	Kobe, Japan	Buenos Aires, Arg.	General	2,353
W. R. Keever	15	16	Amer.	Dutton Lumber Corp.	Portland, Oreg.	Boston, Mass.	General	7,500
Acajutla	15	22	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	(14)	775
Cathwood <sup>1</sup>	16	16	Amer.	Union Oil of Calif.	Pt. S. Luis, Calif.	Savannah, Ga.	Crude oil	9,109
Carica Milica	16	16	J-Slav.	Seaboard Ship. Co.	Victoria, B. C.	Grangem'th, Scot.	Wheat, lum.	8,900
Kentuckian	16	16	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,017
West Cape	16	16	Amer.	McCormick S. S. Co.	Tacoma, Wash.	Philadelphia, Pa.	Lumber, gen.	7,616
Santa Lucia	16	17	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	4,782
Sea Thrush	16	16	Amer.	Shepard S. S. Co.	Pt. Angeles, Wash.	Boston, Mass.	(15)	7,690
Glorian <sup>5</sup>	16		Amer.	Wm. Liebow	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Elwood <sup>1</sup>	16	17	Amer.	Shell Oil Co.	Los Angeles, Cal.	Swansea, N. J.	Gas, keros'e.	10,206
Lt. Col. H. C. Schumm, <sup>4</sup>	17	19	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Ino <sup>2</sup>	17	19	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(16)	242
Istmo <sup>2</sup>	17	18	Pan.	Elliot Ship. & Land Co.	Tumaco, Colom.	Cristobal, C. Z.	Ballast	
Athelcress <sup>1</sup> 2	17	17	Brit.	United Molasses Co.	Kahului, T. H.	Birkenhead, Eng.	Molasses	13,499
Dorothy Luckenbach	17	17	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,310
Colombia <sup>2</sup>	17	19	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	411
Akagi Maru <sup>2</sup>	17	18	Jap.	Nippon Yusen Kaisha	Hoilo, P. I.	New York, N. Y.	(17)	6,322
Amerikaland <sup>2</sup>	17	18	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
Inge Maersk <sup>1</sup> 2	17	18	Dan.	Stivenssen Hardy	Los Angeles, Cal.	Hamburg, Ger.	Gasoline	13,827
John Bakke <sup>2</sup>	17	18	Nor.	Knutsen Line	Valparaiso, Chile	Norrkoping, Swed.	General	7,534
Bogota <sup>2</sup>	17		Ger.	North German Lloyd	Guayaquil, Ecu.	Cristobal, C. Z.	(18)	720
Telde	18	19	Hond.	United Fruit Co.	Puntarenas, C.R.	New Orleans, La.	(14)	622
Yankee Arrow <sup>1</sup>	18	18	Amer.	Shell Oil Co.	Los Angeles, Cal.	New York, N. Y.	Fuel oil	12,093
Clio <sup>2</sup>	18	19	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, hides	225
Dalfram	18	18	Brit.	Francis des Phosphes	Makatea, So. Pac.	Landskrona, Swed.	Phosphate	7,550
Penmar	18	18	Amer.	Calmar Line	Tacoma, Wash.	Baltimore, Md.	Lum., copper	6,800
Salacia <sup>2</sup>	18	18	Brit.	Donaldson & Black	Vancouver, B. C.	Glisgow, Scotland	General	6,387
Porto Bello <sup>2</sup>	18	18	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(19)	3
Harlesden	18	19	Brit.	Colonial Sugar Refin.	Suva, Fiji Is.	London, Eng. <sup>13</sup>	Sugar	8,227
Java Arrow <sup>1</sup>	19	19	Amer.	Mexican Petrol. Co.	Los Angeles, Cal.	Carteret, N. J.	Fuel oil	12,092
Benlomond	19	19	Brit.	East Asiatic Co.	Rashin, Korea	Copenhagen, Den.	Soy beans	7,565
Lena Luckenbach	19	19	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	4,730
California Standard, <sup>1</sup> 2	19	19	Pan.	Foreign Tankship Co.	El Segundo, Cal.	United Kingdom	Gasoline	15,226
Aeas	19	19	Greek.	Pateras Bros.	Portland, Oreg.	Falmouth, Eng. <sup>13</sup>	Wheat	7,300
Ohioan	19	19	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	6,099
Riley <sup>2</sup>	19	20	Brit.	Phosphate Commis.	Nauru, So. Pac.	United Kingdom	Phosphate	8,870
Ophelie <sup>1</sup>	19	19	Fr.	Consom. de Petroles.	Lobitos, Peru	Donges, France	Crude oil	8,553
Sambu <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	53
Sona <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	36
Leeds City	19	20	Brit.	Dingwall Cotts & Co.	Vancouver, B. C.	London, England	Wheat, lum.	8,200
Marconi <sup>2</sup>	20	20	Pan.	D. Campodonico	Panama, R. P.	Cristobal, C. Z.	Ballast	
San Felipe	20	20	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,373
Lagarto <sup>2</sup>	20	20	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Hull, England	(20)	6,931
Ebba <sup>2</sup>	20	21	Pan.	H. Obarrío	El Real, R. P.	Cristobal, C. Z.	Bananas	50
City of Glasgow	20	21	Brit.	M. O. N. Z. Line	Lyttleton, N. Z.	Montreal, Canada	General	3,870
Georgian	20	20	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	7,874
Steelore	21	21	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Helga	20	21	Dan.	J. Lauritzen	Valparaiso, Chile	New York, N. Y.	(21)	2,632
Frisia <sup>2</sup>	20	22	Ger.	Hamburg-Amer. Line.	B'ventura, Col.	Cristobal, C. Z.	Ballast	
Winkleigh	21	21	Brit.	Seaboard Ship. Co.	N. Westm'er, B. C.	London, England	Grain, lum.	8,880
Margrethe Bakke <sup>2</sup>	21	21	Nor.	Knutsen Line	N. Westm'er, B. C.	Cardiff, Wales	General	6,830
Gertrude Maersk <sup>2</sup>	21	22	Dan.	Isbrandtsen Moller.	Cebu, P. I.	New York, N. Y.	Sugar, gen.	6,779
Benvenue	21	21	Brit.	Anglo-Cau. S. S. Co.	N. Westm'er, B. C.	London, England	(22)	8,385
Lt. Col. H. C. Schumm, <sup>4</sup>	21	22	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Erria <sup>2</sup>	22	22	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	General	6,165
Delftdijk <sup>2</sup>	21	22	Neth.	No. Pac. Coast Line.	Vancouver, B. C.	Rotterdam, Neth.	General	9,216
Aliakmon	21	22	Greek.	C. Czarnikow, Ltd.	Chicama, Peru.	Casablanca, Af.	Sugar	7,424
Swiftarrow <sup>1</sup>	22	22	Amer.	Shell Oil Co.	Los Angeles, Cal.	New York, N. Y.	Fuel oil	10,686
Este	22	23	Ger.	North German Lloyd	Vancouver, B. C.	Bremen, Germany	Logs, oil, gen.	9,008
Sado Maru <sup>2</sup>	22	22	Jap.	Nippon Yusen Kaisha	Tsingtao, China.	Hamburg, Ger.	General	5,896
Pirre <sup>2</sup>	22	23	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	43
Duchess of Richmond	23	24	Brit.	Canadian Pacific	Vancouver, B. C.	Montreal, Canada	Passengers	
Athenic	23	23	Brit.	Canadian Transp. Co.	Britania, B. C.	Dunkerque, Fr.	Lumber, gen.	8,614
Santa Barbara <sup>2</sup>	22	23	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	2,752
Dakotan	23	23	Amer.	Amer.-Hawaiian Line.	S. Francisco, Cal.	Boston, Mass.	General	6,516
City of Norfolk	23	24	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	6,058
Hanover <sup>2</sup>	23	24	Ger.	North German Lloyd	Corral, Chile	Hamburg, Ger.	General	5,712
Nero <sup>2</sup>	24	26	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(23)	150
John Cabot	24	24	Brit.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	924

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Tug. <sup>4</sup> Launch. <sup>5</sup> For orders. <sup>13</sup> Coffee, wood, general. <sup>15</sup> Lumber, copper, general. <sup>16</sup> Coffee, cocoa, ivory nuts. <sup>17</sup> Raw silk, sugar, general. <sup>18</sup> Ivory nuts, general. <sup>19</sup> Plantains, lumber. <sup>20</sup> Sugar, cotton, general. <sup>21</sup> Copper, ore, general. <sup>22</sup> Timber, grain, general. <sup>23</sup> Ivory nuts, cacao, coffee.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Seattle <sup>2</sup>	24	25	Ger...	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger...	(14)	6,490
Asakapan Maru <sup>2</sup>	24	24	Japan	Mitsui & Co., Ltd.	Manila, P. I.	New York, N. Y.	General	8,131
Silvapana <sup>2</sup>	24	24	Nor...	Continental Grain Co.	Vancouver, B. C.	Riga, Latvia	Wheat	8,366
Honoumu	24	24	Amer.	Matson Nav. Co.	Honolulu, T. H.	New York, N. Y.	Canned pines	8,996
Ino <sup>2</sup>	24	29	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	(15)	75
Colombia <sup>2</sup>	24	26	Pan	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	465
Durazzo	24	28	Ger	Hamburg-Amer. Line.	Guayaquil, Ecu.	Cristobal, C. Z.	General	620
Lillian Luckenbach	24	24	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,297
General W. M. Graham <sup>11</sup>	25		Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Clumberhall	23	25	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Manchester, Eng.	Wheat, lum.	8,574
Memphis City	24	25	Amer.	Isthmian S. S. Lines.	Honolulu, T. H.	Baltimore, Md.	Canned pines	8,256
Walter D. Munson	25	25	Amer.	Blanchard Lumber	Aberdeen, Wash.	New York, N. Y.	Lumber	4,400
Borgestad <sup>2</sup>	25	25	Nor...	Canadian Transp. Co.	Vancouver, B. C.	Garston, Ireland.	Lumber, gen.	5,450
Tarangar <sup>2</sup>	25	25	Nor...	Interocean S. S. Corp.	Portland, Oreg.	Rotterdam, Neth.	General	7,085
Pomona	25	25	Amer.	Weyerhaeuser S.S. Co.	Seattle, Wash.	Norfolk, Va.	(16)	10,112
Brazilian Reefer <sup>2</sup>	25	25	Dan.	J. Lauritzen	S. Francisco, Cal.	London, England	Fruit, gen.	812
Porto Bello <sup>2</sup>	25	25	Pan	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(17)	3
Keiyo Maru <sup>2</sup>	26	26	Jap	Nippon Yusen Kaisha	Iloilo, P. I.	New Orleans, La.	Sugar, gen.	7,240
Adlington Court <sup>2</sup>	26	27	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	London, England	(18)	8,686
Turakina	26	26	Brit.	N. Z. Shipping Co.	Bluff, N. Z.	Glasgow, Scotland	Frozen, gen.	6,153
Fresno Star	26	27	Brit.	Blue Star Line.	N. Westm'er, B.C.	Newcastle, Eng.	Fruit, gen.	6,900
Vernar	26	26	Amer.	Calmar Line.	Longview, Wash.	Boston, Mass.	Lumber	7,611
Sona <sup>2</sup>	26	27	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Real <sup>2</sup>	26	27	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	63
West Ira	24	27	Amer.	McCormick S. S. Co.	Vancouver, B. C.	Buenos Aires, Arg.	Lumber, gen.	5,060
Steel Exporter	26	27	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Mobile, Ala.	Lumber, gen.	2,931
Kahuku	26	27	Amer.	Matson Nav. Co.	Port Allen, T. H.	Baltimore, Md.	(19)	8,506
Asakapan Maru <sup>2</sup>	26	27	Jap	Mitsui & Co., Ltd.	Manila, P. I.	Baltimore, Md.	(20)	7,432
Washington Express <sup>2</sup>	26	27	Nor...	Fruit Express Line.	S. Francisco, Cal.	London, England	(21)	1,045
Maine	26	27	Amer.	Calif.-Eastern Line.	Los Angeles, Cal.	Philadelphia, Pa.	Lumber, gen.	8,699
Lima <sup>2</sup>	26	28	Swed.	Johnson Line	N. Westm'er, B.C.	Stockholm, Swed.	General	5,907
Mary Ellen <sup>5</sup>	27		Amer.	Hal. Kleid	Balboa, C. Z.	P. Miguel, C. Z.	Ballast	
Carolinian	27	28	Amer.	Amer.-Hawaiian Line.	Pt. Angeles, Wash.	Boston, Mass.	General	7,964
Mussolini <sup>2</sup>	28	29	Pan	E. Obarrío	Darien, R. P.	Cristobal, C. Z.	Bananas	85
Point Ancha	27	28	Amer.	Swayne & Hoyt	Seattle, Wash.	New Orleans, La.	General	6,156
Skjelbred <sup>2</sup>	27	29	Nor...	Kawasaki K. Kaisha	Iloilo, P. I.	Philadelphia, Pa.	Sugar, gen.	5,563
Ville D'Amiens	28	29	Fr	Messageries Marit'es.	Noumea, N. Caled	Marseille, France	Copra, gen.	4,858
Silverbelle <sup>2</sup>	27	29	Brit.	Kerr S. S. Co.	Los Angeles, Cal.	Calcutta, India	Lumber, gen.	5,484
Santa Inez <sup>2</sup>	28	30	Amer.	Grace Line.	Antof'gasta, Chile	New York, N. Y.	(22)	2,844
Selma City	28	28	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	8,346
Vancouver City <sup>2</sup>	28	29	Brit.	Colonial Sugar Ref.	Suva, Fiji Is.	Lands End <sup>13</sup>	Sugar	8,401
Horda	28	29	Nor...	Colonial Sugar Ref.	Powell Riv., B.C.	Houston, Tex.	(23)	5,227
Kaipaki <sup>2</sup>	29	30	Brit.	Trinder, Anderson	Sydney, N. S. W.	Montreal, Canada	General	4,031
Nuevo Panama <sup>2</sup>	29	31	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	5,55
Grant <sup>3</sup>	29	30	Amer.	U. S. Army	S. Francisco, Cal.	New York, N. Y.	General	277
Salvador	29	5	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	General	731
West Portal	27	29	Amer.	McCormick S. S. Co.	Seattle, Wash.	Rosario, Arg.	Lumber, gen.	5,942
City of Baltimore	29	30	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	6,123
Sambu <sup>2</sup>	29	30	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	68
J. Fred Talbot <sup>3</sup>	30		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Chastine Maersk <sup>2</sup>	28	30	Dan.	Colonial Sugar Ref.	Suva, Fiji Is.	Lands End <sup>13</sup>	Sugar	7,253
Firmore	29	30	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,850
Saint Gobain <sup>1</sup>	29	30	Swed.	Raffinerie de Berre.	Talara, Peru	Pt. de Bouc, Fr.	Crude oil	14,203
Oregon <sup>2</sup>	29	6	Fr	French Line.	Vancouver, B. C.	St. Nazaire, Fr.	(24)	8,653
Felix Taussig	30	30	Amer.	McCormick S. S. Co.	Tacoma, Wash.	Philadelphia, Pa.	(25)	6,861
Charleston <sup>12</sup>	30	2	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Tilington Court	30	30	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	Hull, England	(26)	10,073
Imperial <sup>2</sup>	30	31	Chile	Sud Amer. de Vapores	Corral, Chile	Hamburg, Ger.	General	3,746
Helder	30	31	Neth	Royal Neth S. S. Co.	Corral, Chile	Hamburg, Ger.	General	5,818
Nebraskan	30	31	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	8,298
Mataroa	31	1	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	London, England	Frozen, gen.	4,458
Tai Yin <sup>2</sup>	25	1	Nor	Barber Line.	Zamboanga, P. I.	New York, N. Y.	(27)	7,647
Hawaiian	30	31	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	General	6,717
K. I. Luckenbach	30	31	Amer.	Luckenbach Line	Seattle, Wash.	New York, N. Y.	General	8,456
Dorington Court	30	31	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	Azores <sup>18</sup>	Nitrate	9,400
Aelybryn	30	31	Brit.	Seaboard Ship. Co.	Chemains, B. C.	Barry, England.	(28)	8,428
Chlore	31	1	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,700
Pacific Ranger <sup>2</sup>	30	1	Brit.	Furness, Withy & Co.	Victoria, B. C.	Manchester, Eng.	General	8,937
Lapwing <sup>1</sup>	1		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Star of Alexandria	30	1	Egypt	Chile Nit. Sales Corp.	Tocopilla, Chile	Alexandria, Egypt	Nitrate	7,350
Hagan <sup>1</sup>	30	2	Amer.	Shell Oil Co.	S. Francisco, Cal.	New York, N. Y.	Alcohol, ker.	9,300

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Tug. <sup>4</sup> Launch. <sup>5</sup> Transport. <sup>6</sup> Destroyer. <sup>7</sup> Mine planter. <sup>8</sup> Cruiser. <sup>9</sup> For orders. <sup>10</sup> Wheat, timber, general. <sup>11</sup> Coffee, empty bottles. <sup>12</sup> Lumber, wood pulp, general. <sup>13</sup> Plantains, lumber. <sup>14</sup> Lumber, grain, canned goods. <sup>15</sup> Sugar, canned pineapples, cane. <sup>16</sup> Sugar, rubber, general. <sup>17</sup> Fresh and canned fruit. <sup>18</sup> Metals, fruit, general. <sup>19</sup> Newsprint paper and shingles. <sup>20</sup> Lumber, copper, wheat. <sup>21</sup> Lumber, pulp, general. <sup>22</sup> Lumber, iron pyrites. <sup>23</sup> Sugar, oil, general. <sup>24</sup> Lumber, wheat, oats.

## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Colombia <sup>2</sup>	31	2	Pan...	Elliot Ship. & Land Co.	B <sup>1</sup> ventura, Col.	Cristobal, C. Z.	Coffee, gen.	532
Erie <sup>12</sup>	1		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	(14)	
Massmar	31	1	Amer.	Calmar Line	Portland, Oreg.	Baltimore, Md.	(14)	6,520
Walter A. Luckenbach	31	2	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General.	6,901
Embassage	31	2	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	London, England	Wheat, lum.	8,339
El Grillo <sup>1</sup>	31	2	Brit.	C. T. Bowring & Co.	LaLibertad, Ecu.	Lands End, Eng.	Crude oil.	9,995
Porto Bello <sup>2</sup>	1	1	Pan	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(15)	3
Orotava	1	2	Hond.	United Fruit Co	Corinto, Nic.	New Orleans, La.	(16)	1,124
Hindanger <sup>2</sup>	31	2	Nor	Interoceano S. S. Corp.	Vancouver, B. C.	Hull, England	(17)	6,957
Clio	1	3	Neth	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(18)	398
Istok	1	2	Y-Slav.	Seaboard Ship. Co.	Vancouver, B. C.	Garston, Ireland	Lumber	7,650
Kiyokawa Maru <sup>2</sup>	1	2	Jap.	Kawasaki K. Kaisha	Iloilo, P. I.	New York, N. Y.	(19)	5,272
Grete Maersk <sup>2</sup>	1	3	Dan.	A. P. Moller	Bugo, P. I.	Baltimore, Md.	General.	5,592
Svealand <sup>2</sup>	1	2	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
Emma Bakke <sup>2</sup>	1	2	Nor	Knutsen Line	Valparaiso, Chile	Stockholm, Swed.	General.	7,470
Barrgrove	1	3	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>13</sup>	Nitrate	7,550
General W. M. Graham <sup>11</sup>	2		Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Kalam	1	2	Amer.	Matson Nav. Co.	Kahului, T. H.	Baltimore, Md.	(20)	7,750
Chumleigh	2	3	Brit.	Dulverton S. S. Corp.	Vancouver, B. C.	London, England	Wheat, lum.	9,470
Sona <sup>2</sup>	2	3	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Sambu <sup>2</sup>	2	3	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	63
Harpoon	2	2	Amer.	Shepard S. S. Co.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,983
Nemours <sup>2</sup>	2		Fr.	French Line.	B <sup>1</sup> ventura, Col.	Cristobal, C. Z.	(21)	651
Nero <sup>2</sup>	2	4	Neth	Royal Neth. S. S. Co.	B <sup>1</sup> ventura, Col.	Cristobal, C. Z.	Coffee, hides	484
Mount Ida	2	3	Greek	Anglo-Can. S. S. Co.	S. Francisco, Cal.	Hull, England	(22)	7,100
Laguna <sup>2</sup>	2	4	Brit.	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	(23)	8,296
Chios	2	3	Greek	Seaboard Ship. Co.	Vancouver, B. C.	Hull, England	Wheat, lum.	8,555
Master Elias Kukulundis	2	3	Greek	Seaboard of Vancouver	Vancouver, B. C.	London, England	Wheat, lum.	9,247
Malay <sup>1</sup>	3	3	Amer.	Shell Oil Co	Los Angeles, Cal.	New York, N. Y.	Fuel oil.	11,663
Kano Maru <sup>2</sup>	3	4	Jap.	Kokusai Kisen Kaisha	Singapore, St. Set.	New York, N. Y.	(24)	7,182
American Robin	3	4	Amer.	Amer.-For. S. S. Corp.	Pt. Angeles, Wash.	New York, N. Y.	Lumber.	6,963
Wearpool <sup>2</sup>	3	4	Brit.	Pool Shipping Co.	Pt. Alberni, B. C.	London, England	Wheat, lum.	8,710
Nicolaou Virginia	3	4	Greek	General S. S. Corp.	Pt. Alberni, B. C.	London, England	Wheat, lum.	9,000
Hazelside	3	4	Brit.	Canadian Transp. Co.	Woodfibre, B. C.	Liverpool, Eng.	Wheat, lum.	6,940
San Lucas	3	4	Amer.	Pacific-Atl. S. S. Co.	Vancouver, Wash.	Philadelphia, Pa.	Lumber, gen.	10,007
Orbita	4	5	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Liverpool, Eng.	(25)	7,951
Temple Yard	3	5	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Newport, Eng.	Lum., wheat.	8,450
Mussolini <sup>2</sup>	4	5	Pan	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	65
Baron Androssan	4	5	Brit.	British Phos. Com.	Nauru Is., S. Pac.	Grangem'th, Scot.	Phosphate	5,900
Maine	4	5	Amer.	Isthmian S. S. Lines.	Honolulu, T. H.	Philadelphia, Pa.	Pineapples	8,250
Alexia <sup>1</sup>	4	5	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N.W.I.	Stove oil.	11,049
Winona	4	5	Amer.	Weyerhaeuser S.S. Co.	S. Francisco, Cal.	Baltimore, Md.	Lumber, gen.	8,141
Pennsylvania Sun <sup>1</sup>	5	5	Amer.	Sun Oil Co	Los Angeles, Cal.	Chester, Pa.	Gasoline	17,492
Monkleigh	5	6	Brit.	Seaboard Ship. Co.	Victoria, B. C.	London, England	Lumber	8,200
Hartbridge	5	6	Brit.	Ship Owners Co.	Britannia, B. C.	Claymont, Del.	Pyrites	8,320
Villager <sup>2</sup>	5	5	Nor	Interoceano S. S. Corp.	Portland, Oreg.	Havre, France	General.	7,349
Parthenia	5	6	Brit.	Donaldson & Black	Victoria, B. C.	Glasgow, Scotland	General.	5,720
Jutland	5	6	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	London, England	Grain, lum.	8,800
Real <sup>2</sup>	5	6	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Pirre <sup>2</sup>	5	6	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	53
Valparaiso <sup>2</sup>	5	7	Swed.	Johnson Line.	Valparaiso, Chile.	Goth'burg, Swed.	(26)	6,224
Mathew Luckenbach	6	6	Amer.	Luckenbach-Gulf Co.	Seattle, Wash.	Tampa, Fla.	General.	6,514
Floridian	6	6	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	8,309
Laurits Swenson <sup>2</sup>	6	8	Nor	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	General.	7,450
Santa Clara	6	7	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General.	5,087
Hokuroku Maru.	6	7	Jap.	Osaka Syosen Kaisha.	Iloilo, P. I.	Baltimore, Md.	(27)	7,853
Sessa	6	7	Dan.	Wessel, Duval & Co.	San Antonio, Chile	New York, N. Y.	General.	2,612
Pereira	6	6	Pan	Grace Line	Champ'co, Guat.	Cristobal, C. Z.	General.	959
Colombia <sup>2</sup>	6	6	Pan	Elliot Ship. & Land Co.	B <sup>1</sup> ventura, Col.	Cristobal, C. Z.	Coffee	256
Chiriqui <sup>2</sup>	6	6	Pan	Elliot Ship. & Land Co.	Panama, R. P.	Cristobal, C. Z.	Ballast	
Hartlebury	6	8	Brit.	Seaboard Ship. Co.	Woodfibre, B. C.	New York, N. Y.	Lumber.	7,000
City of Newport News.	7	8	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.	5,544
Arkansan.	6	7	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	7,135
K. R. Kingsbury <sup>1</sup>	7	7	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Baltimore, Md.	Asphalt.	10,955
Lieut. Col. H. C. Schumm <sup>4</sup>	7	9	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Stonegate	7	8	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>13</sup>	Nitrate	8,560
Tosca <sup>2</sup>	7	9	Nor	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>13</sup>	Nitrate	7,425
Dinteldijk <sup>2</sup>	7		Neth.	Holland-Amer. Line.	Victoria, B. C.	Rotterdam, Neth.	Wheat, gen.	9,915
West Wales	7	10	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>13</sup>	Nitrate	7,800
Akatuki Maru <sup>1</sup>	7	9	Jap.	Nippon Kaiun Kaisha	Los Angeles, Cal.	Pt. Arthur, Tex.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>11</sup> Mine planter. <sup>12</sup> Cruiser. <sup>13</sup> For orders. <sup>14</sup> Lumber, pig lead. <sup>15</sup> Plantains, lumber. <sup>16</sup> Wood, skins, coffee. <sup>17</sup> Wheat, fruit, general. <sup>18</sup> Wood, cacao, coffee. <sup>19</sup> Sugar, tea, silk, general. <sup>20</sup> Raw sugar, canned pineapples. <sup>21</sup> Coffee, ivory nuts. <sup>22</sup> Barley, lumber, general. <sup>23</sup> Tin, copper, wool, general. <sup>24</sup> Sugar, rubber, tin, general. <sup>25</sup> Copper, tin, general. <sup>26</sup> Cotton, copper, salt cakes. <sup>27</sup> Raw silk, sugar, oil.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
H. D. Collier <sup>1</sup> ...	3	9	Amer.	Standard Oil of Calif.	Los Angeles, Cal.	Curacao, N.W.I.	Gasoline...	9,205
Maravi.....	8	9	Pan.	United Fruit Co.	Quespos, C. R.	Boston, Mass.	Ballast.....	
Holmpark.....	8	9	Brit.	S.S. Owners-Oper'ors.	Britannia, B. C.	Claymont, Dela.	Concentrates	8,900
Porto Bello <sup>2</sup> ...	8	8	Pan.	A. Tagaropolos.	Darien, R. P.	Colon, R. P.	(13)	5
Port Halifax <sup>2</sup> ...	8	10	Brit.	M. A. N. Z. Line.	Lyttelton, N. Z.	Montreal, Canada	General.....	2,490
Ino <sup>2</sup> .....	8	10	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(14)	555
Alkmaar.....	9	9	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Liverpool, Eng.	General.....	10,992
Naruto Maru <sup>2</sup> ...	9	10	Jap.	Nippon Yusen Kaisya	Keelung, China.	Baltimore, Md.	(15)	4,504
Montebello <sup>1</sup> ...	9	10	Amer.	Union Oil of Calif.	San Luis, Calif.	Baltimore, Md.	Crude oil...	10,869
Sambu <sup>2</sup> .....	9	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	40
Sona <sup>2</sup> .....	9	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	28
Fraser.....	9	10	Can.	Canadian Govt.	Los Angeles, Cal.	High seas.....		
St. Laurent.....	9	10	Can.	Canadian Govt.	Los Angeles, Cal.	High seas.....		
G. C. Brovig <sup>1 2</sup> ...	9	10	Nor.	T. Briseid, Norway.	San Francisco, Cal.	Curacao, N.W.I.	Gas oil.....	14,291
Ross <sup>2</sup> .....	9	10	Brit.	British Phos. Com.	Ocean Is., S. Pac.	Grangem'th, Scot.	Phosphate...	9,000
William Luckenbach.	9	10	Amer.	Luckenbach Line.	Everett, Wash.	Boston, Mass.	(16)	8,399
Mussolini <sup>2</sup> ...	10		Pan.	E. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas....	75
Ebba <sup>2</sup> .....	10		Pan.	E. Obarrio	Tucuti, R. P.	Cristobal, C. Z.	Bananas....	18
Herstein <sup>2</sup> ...	9		Nor.	Sig. Herlofson & Co.	N. Westm'er, B.C.	Liverpool, Eng.	Lead, lum...	8,234
Anatina <sup>2</sup> ...	10	10	Nor.	W. I. Trad., Copenh.	B'ventura, Col.	Baltimore, Md.	Ballast.....	
Anglo Canadian <sup>2</sup> ...	10		Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Liverpool, Eng.	Wheat, lum.	8,800

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>13</sup> Plantains, bananas. <sup>14</sup> Coffee, cocoa, ivory nuts, balsa. <sup>15</sup> Sugar, silk, general.  
<sup>16</sup> Canned goods, lumber.

**Comparison of Traffic at the Suez and Panama Canals for Twelve Months Ended July 31, 1939 and 1938**

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1939	1938	Increase	Decrease	1939	1938	Increase	Decrease
August.....	522	531	.....	1.7	468	505	.....	7.3
September.....	508	522	.....	2.7	438	444	.....	0.9
October.....	540	557	.....	3.1	494	461	.....	7.2
November.....	495	526	.....	5.9	505	435	.....	16.1
December.....	503	541	.....	7.0	509	439	.....	15.9
January.....	472	544	.....	13.2	525	444	.....	18.2
February.....	496	508	.....	2.4	501	436	.....	14.9
March.....	536	578	.....	7.3	553	506	.....	9.3
April.....	509	516	.....	1.4	496	487	.....	1.8
May.....	508	479	.....	6.1	506	465	.....	8.8
June.....	474	469	.....	1.1	479	445	.....	7.6
July.....	471	509	.....	7.4	485	429	.....	13.1
Total.....	6,034	6,280	.....	3.9	5,959	5,496	.....	8.4

**Official Publications of Interest to Shipping**

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters," and the current tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C.Z.; or, when more convenient, to The Panama Canal, Washington, D.C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa, a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

## Tolls Charges for Transit of the Panama Canal

(Effective March 1, 1938)

1. Complete transit (one way):
  - (a) Merchant vessels, yachts, army and navy transports, colliers, hospital ships, and supply ships, when carrying passengers or cargo—  
Per net vessel-ton of 100 cubic feet each of actual earning capacity—that is, the net tonnage determined in accordance with the Rules for the Measurement of Vessels for the Panama Canal..... \$0.90
  - (b) Vessels in ballast without passengers or cargo—  
Per net vessel-ton..... .72
  - (c) Other floating craft, including warships, other than transports, colliers, hospital ships, and supply ships—  
Per ton of displacement..... .50
2. Part transit:  
Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
3. Free transit:  
Vessels transiting the Panama Canal by prearrangement from Cristobal to Balboa and return for the sole purpose of having repairs made at Balboa drydock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

### Coal

Coal, bunker, U. S. Navy Standard Pool No. 1, run-of-mine, Pocahontas, or New River, is supplied to steamships, including warships of all nations, trimmed in bunkers at the following prices, per ton of 2,240 pounds: Cristobal, first 250 tons, \$7.75 per ton; second 250 tons, \$7 per ton; balance over 500 tons, \$6.50 per ton. Balboa, first 250 tons, \$10.75 per ton; second 250 tons, \$10 per ton; balance over 500 tons, \$9.50 per ton.

Extra charges are made in accordance with a published tariff for special trimming at the request of the officers of the ship, for galley, lump, or run-of-mine coal in sacks, and for delivery, when coal is furnished from lighters or launches away from the coaling piers.

Coal can be bunkered by bunkering machines at any rate up to 1,500 tons per hour, regulated by the amount of necessary trimming.

Coal for cargo is sold under the same conditions and at prices quoted for sale of coal for bunkers.

### Current Net Prices on Fuel Oil and Diesel Oil

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from the tanks of the Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1 per barrel at Cristobal and Balboa; Diesel oil, \$1.65 per barrel at Cristobal and Balboa.

### Density of Water in Balboa and Cristobal Harbors

Place.	Weight of sea water in ounces per cubic ft.			Rainy season. Average temperature. Degrees F.
	Average.	Maximum.	Minimum.	
Cristobal (between docks 8 and 9).....	1018	1020	1013	84.0
Balboa (dock 18).....	1011	1021	1005	83.0

(NOTE.—The above is based on two months' observations at Cristobal and Balboa. Average taken at 12-foot depth. Minimum occurred after heavy rain at 3-foot depth at Cristobal and 12-foot depth at Balboa. The weight of a cubic foot of fresh water at 85° F. is 995 ounces.)



### Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices to individuals and companies, as of September 7, 1939:

Commodities	Unit	Price
Brass, bar, average	Lb.	\$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.22
Gasoline, motor grade	Gal.	.10
Metal, yellow	Lb.	.26
Oakum, Navy, spun	Lb.	.18
Oakum, Navy, unspun	Lb.	.18
Oil, gun and ice machine	Gal.	.31
Oil, engine, gas, light, in drums, No. 2135	Gal.	.28
Oil, engine, gas, extra heavy, in cases, No. 2250	Gal.	.32
Oil, engine, gas, extra heavy, in drums, No. 2250	Gal.	.30
Oil, kerosene, in drums	Gal.	.10
Oil, marine, engine	Gal.	.50
Paint, lead, white, dry	Lb.	.11
Paint, lead, white, in oil	Lb.	.12
Paint, zinc oxide, dry	Lb.	.09
Paint, zinc oxide, in oil	Lb.	.12
Grease, gear, chain and wire rope, lubricating	Lb.	.05
Grease, yellow, cup, medium	Lb.	.07
Grease, yellow, cup, hard	Lb.	.07
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.11
Waste, cotton, white	Lb.	.13

### Lubricating Oils

The following is a list of the different kinds of lubricating oil carried in stock at Panama Canal storehouses, and a brief description of each of the oils with a statement of the purpose for which it is generally used.

Requisitions and orders for oils placed with the storekeepers should state the name (including number, if any) of the oil desired exactly as given on the following list:

#### STATEMENT OF STANDARD LUBRICATING OILS AND THEIR USES

##### OILS, FORCE FEED AND MOTOR CYLINDER

*Medium, No. 2135.*—A medium oil for the lubrication of main turbines not driving through reduction gears, dynamos, and small internal combustion engines. Not to be used for steam cylinder lubrication.

*Heavy, No. 2190.*—A heavy oil that will separate quickly from water. For the lubrication of turbines with reduction gears, medium size internal combustion engines, and forced feed on main engines. A heavy bodied oil for use on auxiliary equipment.

*Extra heavy, No. 2250.*—An extra heavy oil for the lubrication of medium size internal combustion engines, power cylinders, air compressors, and bearings of Diesel engines.

*Ultra heavy, No. 2310.*—An ultra heavy oil for the lubrication of power cylinders, air compressors, and bearings of large Diesel engines.

*Tractor, heavy, No. 3100.*—A very heavy body oil for aircraft engines, high speed gasoline engines, motor trucks, motor boats, motor cycles, and Diesel engines S. A. E.-50.

*Diesel engine lubricating.*—For Diesel engines.

##### OILS, MISCELLANEOUS

*Ammonia cylinder (gun and ice machine grade No. 125).*—A refined petroleum oil without the admixture of fatty oils, resins, soap, or other compounds not derived from petroleum. For the lubrication of the cylinders of ice machines, pneumatic tools, and hydraulic systems.

*Car and locomotive.*—A lubricant on journals of all cars, passenger coaches, steam and electric locomotives.

*Castor.*—Grade "A." Used for lubricating purposes of the highest grade.

*Cutrie, soluble cutting.*—A mixture of soluble alkali soap in mineral and fixed saponifiable oils. For use in turret lathes and bolt machines.

*Fish.*—Used as a rust preventative and for tempering.

*Lard.*—For use on pipe cutting and threading machines.

*Insulating.*—Switch (Electrical Division).

*Insulating.*—Transformer (Electrical Division).

*Lubricant (gear, chain and wire rope).*—For lubrication and protection of chains, wire rope, and gears of cranes, dredges, steamshovels, etc.

*Machine, odorless.*—For use on typewriters.

*Marine engine, No. 4065, compounded.*—A compound of mineral with vegetable oil for the lubrication of reciprocating engines and auxiliaries where oiling is done by hand or through wick feed or drop oilers, also for thrust bearings. Must not be used for circulating of forced feed systems.

*Mineral steam cylinder, No. 5150.*—For use on reciprocating steam engines using dry saturated steam. For noncondensing steam engine cylinder lubrication (valve oil).

*Mineral steam cylinder, superheated.*—For use on reciprocating steam engines using superheated steam.

*Neatsfoot.*—For softening and preserving leather.

*Solvent.*—Rust-preventing lubricant, for general use.

*Sperm.*—Used principally by U. S. Navy.

### Location of Patients, and Visiting Hours at Gorgas Hospital

The following table shows the distribution of patients in the Gorgas Hospital buildings, and the visiting hours for the various wards and sections.

Section and Ward	Visiting Hours
Section "A:"	
Private and semiprivate rooms.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.; 6:30-8 p. m.
Wards.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m. Sunday and holidays, 9:30-11 a. m.; 2:00-4 p. m.
Section "B:"	
Wards 5, 6, and 7.....	Daily, 9:30-11:00 a. m.; 2:00-4:30 p. m.; 6:30-8:00 p. m.
Ward 8 (maternity ward).....	Daily, 2:30-4:00 p. m.; 6:30-8:00 p. m. Visitors to this ward will be limited to the husband and to the immediate family, i. e., father or mother or, if no parents are at hand, to one woman friend who shall be designated by the patient. Visits to the maternity ward will be limited to ten minutes during the designated visiting periods.
Nursery.....	No visitors are permitted in the Nursery at any time.
Section "C:"	
Wards 9 (colored section), 11, 12, and 13.....	Wednesday, Friday, Sunday, and holidays, 1-2:30 p. m. Visitors from Atlantic side may remain until 3 p. m.
Wards 9 (white section), 10, and 14.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m. Sundays and holidays, 9:30-11 a. m.; 2:30-4:30 p. m.; 6:30-7:30 p. m. Visitors to venereal cases in wards 13 and 14 will be limited to two members of patient's immediate family.
Section "D:"	
Wards 15 and 16.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m. Sundays and holidays, 9:30-11 a. m.; 2:30-4:30 p. m.; 6:30-7:30 p. m.
Wards 17, 19, and 20.....	Wednesday, Friday, Sunday, and holidays, 1-2:30 p. m. Visitors from Atlantic side may remain until 3 p. m.
Ward 18.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.
Isolation section.....	No visitors permitted except to adults to visit tuberculosis patients Thursday, Sunday, and holidays, 1:30-3 p. m.

Permission to visit outside of visiting hours may be granted upon application to the Superintendent's office. Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

### Facilities for Shipping

The Panama Canal is equipped with all the facilities for the fueling, supply, and repairs of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from ample stocks at both ends of the Canal. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as ice, meats (including native beef), fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, and tobacco, which are for sale to ships at reasonable prices. Orders may be placed in advance by radio for prompt delivery on arrival at either terminal, or for delivery at the other terminal after transiting the Canal.

A 1,000-foot drydock, a smaller drydock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large, covered piers for the storage of cargo. These are modern structures: fireproof, rat proof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal during the years of operation.

### Trips Through the Canal

The following lines operating passenger carrying vessels through the Canal carry local passengers from one terminal to the other: Grace Line, Johnson Line, Hamburg-American Line, North German Lloyd, Navigazione Generale Italiana, Pacific Steam Navigation Co. The Panama Pacific Line carries passengers from Balboa to Cristobal only, their rate being \$10, first class only. The rate is \$5 on the Grace Line, Johnson Line, and Pacific Steam Navigation Co., and \$6 on the Hamburg-American Line, North German Lloyd, and Navigazione Generale Italiana vessels, first class passage. The Pacific Steam Navigation Company also have a rate of \$4 second class and \$2 third class.

### Hours of Departure of Passenger Trains

Following are the hours of departure of the regular passenger trains of the Panama Railroad running between the Atlantic and the Pacific sides:

From Colon: Daily, 7:00 a. m.; 11 a. m.; 5 p. m.; 10 p. m.

From Panama: Daily, 7:05 a. m.; 1:10 p. m.; 5 p. m.; 7:55 p. m.

The time required for passage from one terminal to the other is 1 hour and 25 minutes.

### Binders for The Panama Canal Record

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.

Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXIII Balboa Heights, C. Z., October 15, 1939 No. 3

## Traffic Through the Panama Canal in September 1939

The total vessels of all kinds transiting the Panama Canal during the month of September 1939, and for the same month in the two preceding years, are shown in the following tabulation:

	September 1939			September	
	Atlantic to Pacific	Pacific to Atlantic	Total	1938	1937
Ocean-going commercial traffic.....	220	237	457	438	444
Small commercial vessels <sup>1</sup> .....	35	35	70	63	79
Noncommercial vessels:					
United States Government.....	18	16	34	46	28
Colombian Government.....	1	1	2	1	1
For repairs.....	2	1	3	2	5
Total.....	276	289	565	549	557

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC<sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the 12-month period ended September 30, 1939, as compared with the 12-month period ended September 30, 1938:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1938-9	1937-8	1938-9 <sup>3</sup>	1937-8 <sup>4</sup>	1938-9	1937-8	1938-9	1937-8
October...	494	461	2,276,194	2,182,000	2,359,673	2,438,788	\$1,977,706.76	\$1,981,087.87
November...	505	435	2,302,333	2,110,000	2,223,830	2,185,283	1,984,014.72	1,893,462.00
December...	509	439	2,336,011	2,070,000	2,374,395	2,046,170	2,031,017.04	1,845,048.20
January...	525	444	2,380,916	2,053,000	2,393,360	2,095,402	2,062,454.16	1,837,894.72
February...	501	436	2,282,318	1,993,000	2,296,963	1,998,827	1,996,735.66	1,786,611.45
March...	553	508	2,586,580	2,311,526	2,664,068	2,268,548	2,232,156.28	2,015,585.34
April...	496	487	2,278,326	2,258,836	2,472,594	2,279,235	1,999,851.16	1,961,456.58
May...	506	465	2,341,894	2,150,228	2,538,949	2,309,171	2,053,502.16	1,886,825.66
June...	479	445	2,268,679	2,064,793	2,437,087	2,122,389	1,977,431.94	1,801,291.78
July...	485	429	2,254,398	2,193,816	2,317,697	2,025,660	1,974,380.72	1,694,205.00
August...	490	468	2,247,009	2,177,699	2,385,039	2,171,674	1,964,776.48	1,890,050.74
September...	457	438	2,119,418	2,005,241	2,445,700	1,998,464	1,855,574.22	1,741,895.46
Total.....	6,000	5,453	27,674,076	25,310,139	28,819,265	25,939,611	24,129,601.30	22,335,414.80

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>3</sup> Panama Canal net tonnage as figured under rules which became effective March 1, 1938.

<sup>4</sup> Estimated tonnage under rules which became effective March 1, 1938.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons (Panama Canal measurement), which transited the Panama Canal during the month of September 1939. These vessels, although paying tolls, are omitted from the statements concerning ocean-going traffic.

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	35	1,553	\$1,243.44	766
Pacific to Atlantic.....	35	1,590	1,370.34	1,380
Total.....	70	3,143	2,613.78	2,146

Traffic by Nationality of Vessels<sup>5</sup> for September 1939

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British	6 112	571,722	\$502,405.50	606,422
Chilean	2	10,029	9,026.10	2,819
Danish	16	60,428	52,800.48	57,960
Egyptian	2	8,044	6,486.66	7,350
French	5	20,577	18,519.30	21,609
Greek	11	53,028	45,282.96	64,966
Honduran	6	9,729	8,756.10	7,117
Italian	2	12,687	11,418.30	10,248
Japanese	24	145,414	129,567.60	161,852
Netherlands	30	77,244	68,334.84	75,427
Norwegian	48	235,212	198,592.92	242,929
Panamanian	22	50,580	40,414.86	33,370
Philippine	1	4,805	4,324.50	8,427
Soviet	1	3,358	3,022.20	3,922
Swedish	11	47,208	40,908.96	85,651
United States	1,161	796,658	704,287.44	1,034,073
Yugoslav	3	12,695	11,425.50	21,558
Total	457	2,119,418	1,855,574.22	2,445,700

<sup>5</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>6</sup> Includes 2 naval vessels of 3,030 displacement tons.

## Traffic by Trade Routes for September 1939

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo is frequently laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route.

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	58	290,790	245,140	62	307,443	496,575
East coast United States and:						
Canada	2	10,157	3,054	4	18,074	31,790
Central America/Mexico	4	6,459	8,748	4	6,413	172
South America	16	59,730	20,572	19	81,264	215,566
Hawaiian Islands	3	15,339	12,449	6	27,848	48,691
Australasia	5	31,675	19,957			
Philippine Islands	6	32,099	29,272	10	56,660	65,107
Far East	23	117,632	179,444	4	22,058	27,798
Canada intercoastal	3	13,386	12,826	1	5,324	7,800
East coast Canada and:						
South America	1	4,359				
Australasia	3	14,989	14,071	6	30,335	37,918
Far East	1	6,379	7,129			
South America intercoastal	4	8,543	15,393	1	7,838	
East coast South America and:						
United States	2	10,607	2,174			
Canada	1	3,800	2,300			
Philippines				1	5,354	5,613
Far East	3	18,984	12,449			
Cristobal and:						
United States				1	6,037	9,205
Central America/Mexico	4	2,806	2,465	5	4,422	2,927
South America	12	9,923	5,833	16	8,673	7,380
West Indies and:						
United States	6	29,074		6	38,617	73,618
South America	5	25,015	20,984			
Europe and:						
United States	6	30,220		3	13,590	17,320
Canada	24	119,479	27,917	48	250,861	393,036
South America	14	75,335	30,885	22	105,801	174,170
Hawaiian Islands				1	3,693	5,817
Australasia	6	44,315	30,178	8	53,866	57,086
Far East	4	21,020	15,860	3	16,348	19,816
Egypt and South America				1	3,861	7,350
Africa and:						
United States	1	5,180				
Canada				1	3,169	4,635
Around the world	2	14,646	10,428	1	6,543	6,782
Vessels not engaged in commerce				7		
Foreign vessels in ballast (United States intercoastal)	1	6,135		1	7,250	
Total	220	1,028,076	729,528	237	1,091,342	1,716,172

<sup>7</sup> Naval vessels.

**Origin and Destination of Cargo by Major Areas, September 1939**

The following table summarizes the origin of cargo passing through the Canal in September 1939, and its destination by major geographical trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States .....	251,382	27,245	222,182	19,540	24,253	544,602
Other North America .....	1,367	18,944	6,797	39,103	14,071	80,282
Europe .....	15,730	5,584	5,439	19,411	25,821	71,985
Miscellaneous .....	3,482	2,308	11,722	15,147	.....	32,659
<b>Total .....</b>	<b>271,961</b>	<b>54,081</b>	<b>246,140</b>	<b>93,201</b>	<b>64,145</b>	<b>729,528</b>

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States .....	488,952	92,671	132,506	8,586	722,715
Canada .....	35,690	4,143	278,826	2,709	321,368
Other North America .....	63,290	3,081	4,017	.....	70,388
South America .....	212,303	18,490	166,797	7,435	405,025
Australasia .....	2,506	35,412	57,086	.....	95,004
Asia .....	78,097	6,121	17,184	270	101,672
<b>Total .....</b>	<b>880,838</b>	<b>159,918</b>	<b>656,416</b>	<b>19,000</b>	<b>1,716,172</b>

**Principal Commodities**

Commodities in transit through the Canal which aggregated 10,000 or more tons either in September 1939 or September 1938, are listed below:

Commodity	September		Commodity	September	
	1939	1938		1939	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts .....	11,664	15,255	Beans, edible, dry .....	12,925	10,134
Canned food products .....	18,854	14,427	Canned food products .....	162,598	136,477
Cement .....	9,511	11,338	Coffee .....	9,669	11,515
Cotton, raw .....	11,402	22,932	Cold storage (food products) % .....	21,169	28,803
Iron and steel .....	156,884	96,182	Flour .....	7,904	15,938
Machinery .....	14,056	8,625	Fruit, dried .....	29,953	31,214
Manufactured goods (unclassified) .....	22,368	17,417	Fruit, fresh <sup>9</sup> .....	8,231	22,989
Metals, various .....	15,346	52,326	Guano .....	.....	17,100
Oils, mineral .....	78,775	88,536	Lumber .....	419,604	225,425
Paper .....	29,730	25,024	Metals, various .....	50,949	47,507
Phosphates .....	17,438	2,244	Nitrate .....	124,844	90,094
Scrap metal .....	83,380	13,104	Oils, mineral .....	219,926	230,558
Sulphur .....	16,830	19,889	Ores .....	213,228	142,464
Tinplate .....	11,254	9,488	Phosphate .....	23,380	.....
<i>Pacific to Atlantic</i>			Sugar .....	141,556	115,582
Asphalt and tar .....	11,262	12,582	Wheat .....	80,771	82,166
Barley .....	17,323	22,688	Wood pulp .....	23,242	12,193

<sup>8</sup> Does not include fresh fruit. <sup>9</sup> Except bananas.

**Commodities in Detail**

The following statements lists all commodities passing through the Canal during the month of September 1939, as reported in the cargo declarations showing the movement by direction, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise, but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts			13	482
Agricultural implements	506		3,045	56
Alfalfa meal		340		503
Ammonium compounds	126		4,556	
Animal foods <sup>10</sup>	77	393	120	403
Apparel, wearing (hats, shoes, clothing, etc.)	50		58	5
Asbestos	772		4,926	
Asphalt and tar	169	10,981	5,241	11,262
Automobiles (and autotrucks)	507	13	5,566	19
Automobile parts and accessories	882	51	6,098	295
Bags and bagging, textile	30	18	188	18
Bamboo and products				9
Bananas				1,377
Barks, miscellaneous		13		304
Barley		99		17,323
Beans, edible, dry		8,926	8	12,975
Beer	30		211	
Beverages, nonalcoholic	127		127	
Blood and tankage			24	100
Bones and bone meal			203	
Books and printed matter		94	3	94
Borax		524	433	4,333
Bran and pollards	117		167	101
Bricks and tile	238		1,245	
Camphor, crude				41
Canned and preserved goods:				
Fish	309	14,176	605	26,195
Fruit	1,438	41,704	1,581	107,425
Meat	271	37	453	394
Milk	80	317	760	420
Soup	7,476		7,641	2
Vegetables	381	12,986	404	13,153
Miscellaneous and unclassified	5,242	13,973	7,410	15,009
Carbon black			88	
Celite		76		188
Cement	711	23	9,511	43
Chalk			871	
Charcoal	95	27	163	27
Chemicals <sup>10</sup>	5,390	1,748	9,306	2,669
Clay, china and fire	653	265	1,900	291
Clay, filtering		122		257
Coal	719		9,082	20
Cocoa and cacao beans	235	57	439	757
Coconuts and products <sup>10</sup>	183	973	277	2,422
Coffee	422	83	3,217	9,669
Coke	331		7,847	
Cold storage and refrigerated products:				
Dairy products	12	41	243	5,372
Eggs				252
Fish	128		172	598
Lard	621		942	5
Meats	10		66	14,470
Poultry				1
Vegetables	86	96	101	382
Other and unclassified	345		371	89
Confectionery	972		1,050	
Copra		12		12
Copra meal and cake				3,233
Corn	900		2,086	
Cotton, raw		449	11,402	9,416
Creosote	23		23	
Drugs and medicines	1,726	122	2,250	187
Dyes			28	
Earthenware	95		159	117
Eggs, dried				36
Electrical apparatus and appliances	1,982	228	3,858	330
Enamel and metalware	1,069		1,690	56
Explosives	217		232	
Extract, quebracho			2,606	
Fertilizers <sup>10</sup>	25	496	946	737
Fish, salted or dry-cured				7
Fish meal				684
Floor coverings	2,509	794	2,990	1,194
Flour	51	6,912	3,264	7,904
Fruit, dried	44	16,186	53	29,953
Fruit, fresh <sup>10</sup>	78	2,623	101	8,231
Furniture and household goods	533	49	534	50
General	17,613	4,471	42,163	11,328
Glass and glassware	1,682	33	3,562	370
Glue	37	76	39	76

<sup>10</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Grains <sup>10</sup> .....	30		148	390
Groceries.....	2,033	1,821	2,893	2,089
Guano.....			13	
Gums.....			45	220
Hair, all kinds.....	67		67	43
Hay.....		60		153
Hemp, unmanufactured.....	80		117	1,835
Honey.....		193		322
Horns and hoofs.....			99	
Infusorial earth.....		741		1,098
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	93,600	249	156,884	413
Ivory nuts.....			30	1,071
Jute, unmanufactured.....			13	
Lard substitute.....	487		487	
Lime.....	139		159	
Liquors.....	3,704	175	5,646	179
Lumber (including manufactured mill products).....	3,164	168,070	6,086	419,604
Machinery.....	2,712	974	14,056	2,765
Malt.....			77	
Manufactured goods.....	15,554	368	22,368	1,128
Marble and granite.....	42		177	
Matches.....	488	77	538	77
Metals:				
Copper.....	964	4,951	3,162	30,641
Gold and silver.....			12	37
Iron.....	1,692		5,887	
Lead.....	100	732	325	13,044
Tin.....	41	231	83	658
Zinc.....	289	29	1,112	6,009
Other and unclassified.....	1,017	107	4,765	560
Milk, powdered.....		264		501
Molasses and syrups.....	733		1,023	11
Nitrate.....	108		3,407	124,844
Nuts, edible (including meats).....	49	153	147	1,186
Oats.....	388	128	403	
Oils, mineral:				
Crude.....	14	42,552	15,014	62,016
Gas and fuel.....	56	22,073	24,079	56,993
Gasoline, benzine, and naphtha.....	11	32,483	11,215	53,251
Kerosene.....		8,700	159	46,731
Lubricating and greases.....	9,400	590	28,270	887
Other and unclassified.....			38	48
Oils, vegetable:				
Coconut.....				5,324
Linseed.....	22		419	
Olive.....	4	51	18	51
Peanut.....				800
Wood.....	101	12	164	299
Other and unclassified.....	212	25	252	2,999
Oil, fish.....	131	6	224	440
Oilseeds (cotton, flax, hemp, sesame, rapseed, etc.).....	45	93	1,054	3,104
Oilseed cake and meal.....	562		564	2,963
Ores:				
Antimony.....		17		472
Chrome.....				2,000
Copper.....		1,172		5,829
Gold and silver.....				1,798
Iron.....			120	172,570
Lead.....			632	1,288
Magnesite.....		974		1,277
Manganese.....		13		733
Tin.....			147	1,531
Zinc.....				5,150
Other and unclassified.....	59	48	2,641	20,580
Paints and varnishes.....	2,091	104	3,613	203
Paper and paper products <sup>10</sup> .....	12,465	6,676	29,730	7,856
Peanuts.....	287		287	855
Peas, dry.....		326		452
Peatmoss.....			207	
Phosphates.....	244	673	17,438	23,380
Plaster.....			288	
Porcelainware.....	136	103	341	1,974
Potaash.....		9,821		9,821
Rags and waste.....	341	86	1,978	262
Railroad material.....	1,595		6,417	
Rice.....	541		541	5,820
Rope and twine.....	148	54	181	124
Rosin.....	1,388	17	3,440	17

<sup>10</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Rubber:				
Manufactured.....	771	106	1,780	111
Raw.....			125	5,529
Scrap.....	34		1,822	81
Salt.....	292	205	3,884	205
Sand.....	585		1,740	
Scrap metal.....	156	173	83,380	576
Seeds (except oilseeds).....	61	3,111	708	3,502
Shells, oyster.....	503		955	199
Silk, raw.....		67	29	2,051
Skins and hides.....	10	789	387	3,045
Slag.....			670	
Slate.....	2,861		2,924	
Soaps and products.....	3,559	326	3,852	356
Soda and sodium compounds:				
Soda ash.....	422		2,658	1,278
Soda, caustic.....	936		2,159	38
Miscellaneous and unclassified.....	897		1,617	2,580
Soy beans.....	625		625	1,513
Spices.....	307		456	68
Sugar.....		13,922	9,951	141,569
Sulphur.....	15,320	28	16,830	37
Talc.....		103		244
Tallow.....	19	166	81	1,580
Tea.....	31	32	107	853
Textiles <sup>11</sup> .....	3,419	610	7,494	3,490
Tinplate.....	3,612	104	11,254	470
Tobacco and manufactures.....	274	43	4,445	276
Toilet preparations.....	401		479	27
Turpentine.....	42		543	
Vegetables, dry <sup>10</sup> .....			3	976
Wall board.....	27	25	185	633
Wax, paraffin.....	164	17	2,090	330
Wheat.....	13	154	905	8,771
Wines.....	250	1,384	691	1,527
Wood pulp.....	85	19,457	2,989	23,242
Wool.....	57	1,531	63	4,668
Total, September 1939.....	251,382	488,952	729,528	1,716,172
Total, September 1938.....	175,597	350,312	592,875	1,405,589
Total, September 1937.....	200,108	417,564	890,103	1,495,039

<sup>10</sup> Except as otherwise classified.<sup>11</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of September 1939:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	8	49,984		11	69,440	<sup>12</sup> 117,363
East coast United States and Far East.....	1	7,250	12,496			
Canada intercoastal.....	1	3,698	<sup>13</sup> 6,981			
East coast Canada and South America.....	1	4,359				
East coast South America and west coast United States.....	1	6,183				
South America intercoastal.....	1	7,124	13,794	1	7,838	
Cristobal and United States.....	1			1	6,037	9,205
West Indies and:						
United States.....	6	29,074		6	38,617	73,618
South America.....	3	16,915	18,857			
Europe and South America.....	2	12,915		3	15,720	30,324
Total.....	24	137,502	52,128	22	137,652	230,510

<sup>12</sup> Includes 600 tons alcohol and 10,955 tons asphalt.<sup>13</sup> Creosote.



**Comparison of Canal Traffic in September 1939, with September Traffic in Previous Years**

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of September			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1914 <sup>14</sup>	53	(000 omitted)	(000 omitted)	1915 <sup>15</sup>	100	(000 omitted)	(000 omitted)
1915	98	201	323	1916	60	334	466
1916	149	323	464	1917	145	184	258
1917	174	465	644	1918	165	447	588
1918	173	527	723	1919	162	506	627
1919	168	483	547	1920	199	472	576
1920	247	542	638	1921	232	659	781
1921	216	932	1,009	1922	222	879	966
1922	238	855	754	1923	325	880	907
1923	409	990	1,138	1924	429	1,434	1,631
1924	391	1,891	2,168	1925	382	2,016	2,249
1925	380	1,827	2,112	1926	424	1,761	1,996
1926	431	1,693	1,891	1927	441	1,909	2,169
1927	524	2,021	2,235	1928	521	2,020	2,311
1928	482	2,341	2,396	1929	524	2,269	2,468
1929	502	2,122	2,312	1930	502	2,299	2,554
1930	446	2,241	2,431	1931	447	2,310	2,502
1931	385	2,139	2,058	1932	364	2,140	2,089
1932	338	1,914	1,753	1933	347	1,820	1,650
1933	385	1,727	1,345	1934	436	1,758	1,513
1934	435	1,938	1,795	1935	432	2,201	2,059
1935	391	2,157	2,142	1936	449	2,143	2,109
1936	466	1,938	1,994	1937	470	2,160	2,209
1937	444	2,246	2,526	1938	460	2,239	2,342
1938	438	2,140	2,385	1939	492	2,163	2,282
1939	457	2,005	1,998	(9 mos. cal. yr. 1939)	499	2,264	2,322
		2,119	2,446			2,307	2,429

<sup>14</sup> Canal opened August 15, 1914.

<sup>15</sup> Average for 10½ months.

**Terminal Activities**

Ships repaired during the month of September 1939, numbered 84. Vessels released from drydock numbered 17. Fuel oil amounting to 356,113 barrels was delivered as bunkers to 148 commercial vessels. Bunker coal amounting to 10,728 tons was delivered to 24 commercial ships. Sales of commissary supplies to ships aggregated \$51,248.

**Cargo Handled at Terminal Ports**

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	28,509	7,394	35,903
Local cargo shipped..... tons..	1,975	1,357	3,332
Cargo received for transshipment..... tons..	45,052	1,322	46,374
Cargo transhipped..... tons..	40,524	1,152	41,676
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	6	3	9
Number of releases issued.....	45	6	51
Tons received.....	175	12	187
Tons withdrawn.....	52	5	57

**All Vessels Entering and Clearing Port**

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal..	516	3,035,295	1,808,800	473	2,791,300	1,681,481
Vessels entering port but not transiting Canal..	55	288,760	154,046	9	46,433	27,728
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	125	746,243	441,921	96	665,932	398,687
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	513	3,070,048	1,827,501	480	2,827,623	1,705,000
Vessels clearing port but not transiting Canal..	54	301,635	160,669	9	40,778	25,526
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	126	781,803	462,976	97	668,654	400,449

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight September 10, 1939, to midnight October 10, 1939. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

Antigua, 23, 219	West Chatala, 896, 155	Esso Copenhagen, 910,	San Pablo, 479, ½	Francis R. Hart, 10,441
Santa Elena, 133, 685	San Clemente, 380, 0	0	Besholt, 270, 0	0
Sakito Maru, 71, 0	Rafaela, 3,704, 0	Istmo, 0, 52	Sixaola, 853, 149	Clio, 515, 194
Draco, 4, 415	Talamanca, 36, 173	Nuevo Panama, 0, 202	Firmore, 12,043, 0	Cadmus, 38, 50
Douro, 588, 415	Santa Rosa, 103, 1,111	Kaipara, 75, 0	Orotava, 12, 292	Santa Rita, 245, 24
Dreethdijk, 150, 198	Orazio, 0, 52	Simon Bolivar, 85, 41	Draco, 246, 539	Carrillo, 657, 510
Cefalu, 643, 297	Hulda Maersk, 548, 137	Douro, 566, 385	Rufina, 4,127, 0	San Diego, 76, 1
Potter, 141, 0	Lochavon, 101, 11	Baarn, 215, 0	K.R. Kingsbury, 12,985,	San Bolivar, ½, 737
Norman Star, 109, 0	Chilore, 11,375, 0	Brandanger, 57, 0	0	Rita, 3,597, 0
San Francisco, 569, 13	Santa Rita, 207, 1	Tai Ping, 928, 0	Arminda, 312, 56	Colombia, 523, 340
Real, 0, 32	Contessa, 1,035, 484	Arizona, 428, 38	Colombia, 1,090, 497	Kiyosumi Maru, 472, 0
Platano, 873, 4	Leme, 23, 3	Manoeran, 459, 0	Nero, 38, 190	De la Salle, 99, 1,681
Santa Maria, 406, 340	Knute Nelson, 12, 0	Balboa, 96, 221	Breda, 449, 2,677	Santore, 11,850, 0
Maebini, 0, 239	Clio, 0, 107	Quirigua, 108, 221	Jamaica, 40, 546	Virgilio, 73, 0
Cristobal, 2,341, 662	Ciss, 372, 900	Santa Paula, 80, 171	Commissaire Ramel, 5,	Terukawa Maru, 1,348,
Cadmus, 21½, 672	A. A. Radium, ½, 0	Margaret Lykes, 1,795,	0	90
Nankai Maru, 148, 89	Uffington Court, 1,057,	183	Santa Elena, 222, 349	Nero, 238, 437
Orotada, 474, 983	0	Cefalu, 725, 419	West Camargo, 80, 412	Buenos Aires, 58, 218
San Angelo, 1,405, 30	Musa, 963, 257	Francis R. Hart, 4,687, 0	Nagara Maru, 747, 83	Douro, 548, 335
Jamaica, 111, 272	Canada, 199, 127	Alaska, 1,683, 0	Marehen Maersk, 1,015,	Ino, 595, 347½
Copapo, 65, 84	Santa Clara, 260, 316	Panama, 3,805, 1,121	195	Lochkatrine, 97, 133
Imperial, 1,400, 293	Comayagua, 74, 1,136	Europa, 8, 96	Rialto, 130, 1	Veragua, 3½, 700
Acajutla, 143, 460	Ancon, 3,782, 580	Santa Lucia, 712, 11	Contessa, 1,286, 356	Santa Rosa, 254, 830
Costa Rica, 34, 13	Manto, 0, 510	Lara, 265, 157	Musa, 1,094, 0	Santa Inez, 218, 0
Santa Inez, 280, 104	Colombia, 905, 605	Salvador, 370, 280	Samuel Bakke, 25, 419	Macabi, 0, 689
Santa Marta, 461, 103	Veragua, 271, 381	Clio, 583, 622	Pereira, 458, 664	Sambu, 0, 137
Wyoming, 188, 13	Pacific, 0, 3 pkgs.	Platano, 1,500, 184 lbs.	Santa Barbara, 473, 2	Acajutla, 198, 0
Clio, 582, 22	Toloca, 522, 85	Santa Maria, 290, 22	Olancho, 430, 296	Cefalu, 991, 329
Colombia, 471, 348	Damsterdijk, 19, 214	Prusia, 0, 859	City of Norfolk, 595, 0	Rufina, 4,038, 0
Boedegraven, 90, 3,370	Margaret Johnson, 491,	San Felipe, 218, 0	Utaearbon, 5,854, 0	Benjamin Franklin, 17,
Canada, 0, 26	607	Antigua, 63, 200½	Cristobal, 4,349, 828	218
Telde, 170½, 534	Merchant, 302, 0	City of San Francisco,	Uncoi, 198, 0	
Ino, 260, 249	Yamazuki Maru, 1,190,	291, 0	Tampa, 77, 0	
Nero, 55, 432	15	Orduna, 168, 133	Talamanca, 259, 340½	
Mau, 381, 0		Telde, 703, 822	Santos, 0, 220	

#### BALBOA

Vega, 7, 0	Santa Inez, 91, 0	City of Los Angeles,	Kewanee, 1,340, 0	Marehen Maersk, 199, 0
Ludington, 723, 11	Mau, 209, 9	543, 0	Santa Lucia, 28, 1	Istmo, 22, 0
Cymbula, 7,092, 0	Leonard Wood, 758, 1	Santa Clara, 196, 14	City of San Francisco,	Hunter Liggett, 800, 73
Rangitata, 74, 8	Kewanee, 3,864, 0	Chickasaw City, 1,195,	226, 0	Santa Rita, 163, 2
Pereira, 0, 60	City of Baltimore, 0, 1	0	Santa Maria, 238, 0	Pyro, 6, 0
Santa Maria, 2, 10	Hulda Maersk, 116, 0	St. Mihiel, 451, 47	Cathwood, 101, 0	Benjamin Franklin, 63,
Esso Panama, 2,222, 0	Chateau Thierry, 1,785,	Tai Ping, 331, 0	British Columbia, Ex-	0
Heiyo Maru, 0, 4	2,379	Ciss, 0, 2	press, 17, 0	Acajutla, 250, 0

NOTE.—Figures shown represent short tons of 2,000 pounds.

### Passengers

During September 1939, ocean ship passengers debarking at Cristobal numbered 3,044, embarking 1,991; at Balboa, 1,440 debarking, 639 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 5,039; from Pacific to the Atlantic 2,464. Commercial aircraft numbering 55 entered Cristobal with 353 passengers debarking; clearances were 55 with 359 passengers embarking. Balboa entries of aircraft numbered 52, with 161 passengers debarking; clearances were 52, with 121 passengers embarking.

### Current Net Prices on Fuel Oil and Diesel Oil

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from the tanks of the Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.10 per barrel at Cristobal and Balboa; Diesel oil, \$1.75 per barrel at Cristobal and Balboa.

Movements of Ocean Vessels Through the Panama Canal  
From midnight September 10, 1939, to midnight October 10, 1939

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Ludington <sup>9</sup>	7	12	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	Supplies	6,095
Colombia <sup>2</sup>	7	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	730
Wind Rush	10	11	Amer.	Shepard S. S. Co.	Albany, N. Y.	Tacoma, Wash.	General	4,083
Port Chalmers <sup>2</sup>	10	11	Brit.	Port Line, Ltd.	London, England	Bluff, N. Z.	General	3,601
Ewa	10	11	Amer.	Matson Nav. Co.	Philadelphia, Pa.	Honolulu, T. H.	Gen., tinplate	4,522
Alabaman	10	11	Amer.	Amer.-Hawaiian Line.	New York, N. Y.	Seattle, Wash.	General	4,575
Calmar	10	11	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Gen., steel	7,743
Port Huon <sup>2</sup>	10	11	Brit.	Port Line, Ltd.	Liverpool, Eng.	N. Plym'th, N. Z.	General	7,649
Porto Bello <sup>3</sup>	11	11	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Heffron	11	12	Amer.	Weyerhaeuser S. S. Co	Bridgep't, Conn.	Seattle, Wash.	General	6,814
Mussolini <sup>2</sup>	10	12	Pan.	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Point Clear	11	12	Amer.	Gulf-Pacific Line	Mobile, Ala.	Tacoma, Wash.	(13)	5,544
Pereira	7	12	Pan.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	5,429
Chincha	11	12	Amer.	S.-S. African Line	New York, N. Y.	Los Angeles, Cal.	Steel, gen.	5,129
Knoxville City	11	12	Amer.	Ishmian S. S. Lines.	Baltimore, Md.	Neth. E. Indies.	Steel, gen.	8,480
Coloradan	11	12	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	5,036
Torvanger	12	12	Nor.	Mitsui Co.	Baltimore, Md.	Yokohama, Japan	(14)	9,411
Blairclava	12	12	Brit.	George Nisbet & Co.	Manchester, Eng.	Vancouver, B. C.	Ballast	
Sambu <sup>2</sup>	9	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	David, R. P.	General	27
Douro <sup>2</sup>	11	13	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	378
Draco <sup>2</sup>	11	13	Neth.	Royal Neth. S. S. Co.	Curacao, N. W. I.	Callao, Peru	General	377
Llanberis <sup>2</sup>	11	13	Brit.	Andrew Weir & Co.	Nova Scotia.	Auckland, N. Z.	Newsprint	5,000
Norman Star	12	13	Brit.	Blue Star Line	London, England	Los Angeles, Cal.	Ballast	
Herborg <sup>1</sup>	12	13	Nor.	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
City of Canberra	12	13	Brit.	Amer.-Australian Line	Liverpool, Eng.	Fremantle, Aust.	General	4,911
Drechtijk <sup>2</sup>	12	13	Neth.	N. Pac. Coast Service	Rotterdam, Neth.	Victoria, B. C.	General	1,972
Chiriqui <sup>2</sup>	7	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Panama, R. P.	Ballast	
Pirre <sup>2</sup>	12	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
San Francisco	12	14	Fr.	French Line	Havre, France	Vancouver, B. C.	General	5,038
Maecabi	13	14	Pan.	United Fruit Co.	Boston, Mass.	Punatarenas, C. R.	General	2,924
Sofie Bakke <sup>2</sup>	13	14	Nor.	Knut Knudsen	Stavanger, Nor.	Vancouver, B. C.	Ballast	
Pegasus	14	14	Greek.	G. N. Loulandis	Antwerp, Belgium	Vancouver, B. C.	Ballast	
Point Calca	14	14	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	Gen., steel	5,235
Cape Clear <sup>2</sup>	14	14	Brit.	Lyle Shipping Co.	Cardiff, Wales.	Vancouver, B. C.	Ballast	
Georgian	14	14	Amer.	Amer.-Hawaiian Line.	Philadelphia, Pa.	Seattle, Wash.	General	3,860
General Wm. M. Graham <sup>11</sup>	2		Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow barge	
Real <sup>2</sup>	12	14	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	General	20
Florence <sup>5</sup>	14	Amer.	Capt. Wm. Van Sieten	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Copiapo <sup>2</sup>	14	14	Chile.	Cia. Sud Amer. de Vap.	Hamburg, Ger.	Valparaiso, Chile.	General	692
Phemius	14	14	Brit.	Alfred Holt & Co.	Baltimore, Md.	Shanghai, China.	Cotton, gen.	3,496
Alaskan	14	14	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	3,895
Kentuckian	14	14	Amer.	Amer.-Hawaiian Line.	Bridgep't, Conn.	Portland, Oreg.	General	2,640
Willmotto <sup>2</sup>	14	15	Amer.	Arrow Line	Baltimore, Md.	Portland, Oreg.	Ballast	
Orotava	14	14	Hond.	United Fruit Co.	New Orleans, La.	La Union, Salva.	Gen., pipes	2,238
Istmo	14	15	Pan.	Elliot Ship. & Land Co.	Cartagena, Col.	B'ventura, Col.	(15)	753
Moldangr <sup>2</sup>	15	15	Nor.	Intercean S. S. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Santa Inez <sup>2</sup>	15	16	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	General	3,105
San Angelo	15	16	Amer.	Quaker Line	Jacksonville, Fla.	Portland, Oreg.	General	4,930
Pacific Shipper <sup>2</sup>	14	16	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	674
Oremar	15	16	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Gen., steel	4,350
Akagi Maru <sup>2</sup>	15	16	Jap.	Nippon Yusen Kaisha	Boston, Mass.	Moji, Japan	Steel, oil	8,004
Mersington Court	15	16	Brit.	Chile Nit. Sales Corp.	Barry, England.	Chile	Ballast	
Cities Service Denver <sup>1</sup>	15	16	Amer.	Cities Service Corp.	New York, N. Y.	Pt. Petrol, Calif.	Ballast	
Star of Suez	15	17	Egypt.	Chile Nit. Sales Corp.	Barry, England.	Chile	Ballast	
Forbes Hauptman	15	16	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	S. Francisco, Cal.	General	4,431
President Garfield	16	16	Amer.	Amer.-President Lines	New York, N. Y.	Round the world	Gen., mach.	5,030
H. D. Collier <sup>1</sup>	15	16	Amer.	Standard Oil of Cal.	Curacao, N. W. I.	Richmond, Calif.	Ballast	
Leonard Wood <sup>8</sup>	15	17	Amer.	U. S. Army	New York, N. Y.	S. Francisco, Cal.	General	615
Oakworth <sup>2</sup>	16	17	Brit.	Canadian Transp. Co.	Demerara, B. Gu.	Vancouver, B. C.	Sugar	2,300
Helga	16	17	Dan.	J. Lauritzen	New York, N. Y.	Talcahuano, Chile	General	1,792
Lewis Luckenbach	16	17	Amer.	Luckenbach Line	Providence, R. I.	Seattle, Wash.	General	7,424
Ruby <sup>5</sup>	16	17	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Colombia <sup>2</sup>	15	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	425
Pennsylvania	16	17	Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	S. Francisco, Cal.	Steel, oil	5,133
Akaroa	17	18	Brit.	Shaw, Savill & Albion	London, England	Wellington, N. Z.	General	5,700
Antioquia <sup>9</sup>	17		Colom.	Colombian Govt.	Cartagena, Col.	Balboa, C. Z.	Dry-docking	
El Mirlo <sup>1</sup>	17		Brit.	C. T. Bowring & Co.	Birkenhead, Eng.	Peru	Ballast	
City of Baltimore	17	17	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General	5,033
Kinai Maru <sup>2</sup>	17	17	Jap.	Osaka Syosen Kaisya	London, England	Dairen, China.	(16)	7,507
Marconi <sup>2</sup>	17	17	Pan.	D. Campodonico	Cispatna, Colom.	Aguadulce, R. P.	Cattle	60
Sona <sup>2</sup>	16	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pirre <sup>2</sup>	16	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tip <sup>5</sup>	16	17	Pan.	Frank Scott.	Cristobal, C. Z.	Gatun, C. Z.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>8</sup> Transport. <sup>9</sup> Destroyer. <sup>11</sup> Mine planter. <sup>13</sup> Steel pipe, general. <sup>14</sup> Iron, tin, scrap, etc. <sup>15</sup> Salt, oil, general. <sup>16</sup> General, scrap tin, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
S-42 <sup>7</sup>	18	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....	
S-45 <sup>7</sup>	18	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....	
S-46 <sup>7</sup>	18	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....	
S-47 <sup>7</sup>	18	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....	
Mallard <sup>10</sup>	18	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....	
Imperial <sup>2</sup>	14	18	Chile.	Sud Amer. de Vapores	Habana, Cuba.	Valparaiso, Chile.	General..... 4,618	
Ino <sup>2</sup>	16	18	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General..... 226	
Pennsylvania Sun, <sup>1 2</sup>	18	18	Amer.	Sun Oil Co.	Chester, Pa.	El Segundo, Calif.	Ballast.....	
San Clemente	17	18	Amer.	Quaker Line	New York, N. Y.	Tacoma, Wash.	General..... 3,834	
Moveria <sup>2</sup>	18	18	Brit.	Donaldson Line	Glasgow, Scot.	Vancouver, B. C.	General..... 723	
Pericles <sup>2</sup>	18	18	Neth.	Royal Neth. S. S. Co.	Curacao, N. W. I.	Chile	Ballast.....	
Porto Bello <sup>3</sup>	18	18	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General..... 3	
Kurama Maru <sup>2</sup>	18	19	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Tokuyama, Japan	Gen., cotton. 9,103	
Svealand <sup>2</sup>	18	19	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.....	
Mussolini <sup>2</sup>	17	19	Pan.	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Suva	18	19	Brit.	Carpenter Line	London, England	Fiji Island	General..... 3,500	
Lena Luckenbach	18	19	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General..... 5,809	
Tuyama Maru	18	19	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan	Coke, gen., 8,830	
New Orleans <sup>2</sup>	19	20	Amer.	Amer.-Pioneer Line	Philadelphia, Pa.	Adelaide, Aust.	General..... 4,825	
U. S. Grant <sup>3</sup>	18	20	Amer.	U. S. Army	New York, N. Y.	S. Francisco, Cal.	General..... 298	
Acajutla	14	20	Brit.	Pacific Steam Nav. Co	Cristobal, C. Z.	Champ'ico, Guat.	General..... 459	
Peter Maersk <sup>2</sup>	19	20	Dan.	Maersk Line	Boston, Mass.	Manila, P. I.	General..... 6,243	
Ebba <sup>2</sup>	19	19	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Asakasan Maru <sup>2</sup>	19	20	Jap.	Mitsui & Co.	Philadelphia, Pa.	Tokuyama, Japan	(14) 7,720	
Clio <sup>2</sup>	19	20	Neth.	Royal Neth. S. S. Co.	Cartagena, Col.	B'ventura, Col.	General..... 317	
Knute Nelson <sup>2</sup>	19	20	Nor.	Fred Olsen & Co.	Oslo, Norway	Vancouver, B. C.	Ballast.....	
Lossiebank <sup>2</sup>	19	20	Brit.	Andrew Weir & Co.	Boston, Mass.	Shanghai, China	General..... 4,871	
Masunda	19	20	Brit.	Seaboard Ship. Co.	Montreal, Canada	Vancouver, B. C.	Ballast.....	
Hagan <sup>1</sup>	19	20	Amer.	Shell Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast.....	
Akatuki Maru <sup>1 2</sup>	20	20	Jap.	Nippon Kaiwa Kaisha	Pt. Arthur, Tex.	Gensan, Japan.	Crude oil 12,496	
Canada <sup>2</sup>	20	20	Swed.	Johnson Line	Sweden	Valparaiso, Chile.	Gen., paper 8,091	
Fortuna <sup>3</sup>	20	20	Pan.	A. Ferrari	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Sambu <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Real <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Enoch <sup>2</sup>	20	20	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>	..... 20	
Santa Clara	20	21	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General..... 2,554	
S-43 <sup>7</sup>	19	21	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Racer <sup>2</sup>	19	21	Neth.	Pacific R. Co.	Pto. Cabezas, Nic.	Corinto, Nic.	Old rails..... 360	
Bodegraven	15	21	Hond.	Royal Neth. S. S. Co.	Hamburg, Ger.	Valparaiso, Chile.	General..... 1,049	
Chilore	18	21	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.....	
Temple Mead	20	21	Brit.	Chile Nit. Sales Corp.	Barry, England.	Chile	Ballast.....	
Yearby	20	21	Brit.	Ropner Shipping Co.	Norfolk, Va.	Vancouver, B. C.	Ballast.....	
Fjordaa <sup>1 2</sup>	20	21	Nor.	Eagle Oil & S. S. Co.	Curacao, N. W. I.	Chile	Oil..... 9,819	
Eugenie Livanos.	20	22	Greek.	L. I. Mach. & Equip.	New York, N. Y.	Kamaishi, Japan.	Scrap iron..... 8,449	
City of Glasgow	21	22	Brit.	M. A. N. Z. Line	Montreal, Canada	Auckland, N. Z.	General..... 3,196	
King City	21	22	Brit.	Mitsubishi Line	Tampa, Fla.	Seikoshin, Japan.	Phosphate..... 7,802	
Connecticut <sup>1</sup>	21	22	Amer.	The Texas Co.	Norfolk, Va.	Los Angeles, Cal.	Ballast.....	
Malay <sup>1</sup>	21	22	Amer.	Shell Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast.....	
Kinka Maru <sup>2</sup>	22	23	Jap.	Kokusai Kisen Kaisha	Pt. Alfred, Canada	Kobe, Japan	(15) 7,120	
Argentina Maru <sup>2</sup>	22	23	Jap.	Osaka Syosen Kaisha.	Montevideo, Uru.	Kobe, Japan	General..... 3,295	
W. R. Keever	22	23	Amer.	Union Sulphur Co.	New Orleans, La.	Everett, Wash.	Sulphur..... 7,800	
Dorothy Luckenbach.	22	22	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General..... 3,854	
Texmar	22	23	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen. 2,975	
S-44 <sup>7</sup>	22	23	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Damsterdijk <sup>2</sup>	22	23	Neth.	Holland-Amer. Line	Rotterdam, Neth.	Vancouver, B. C.	General..... 807	
Mahimahi	23	23	Amer.	Matson Nav. Co.	Baltimore, Md.	Hilo, T. H.	Steel, gen. 2,798	
Margaret Johnson. <sup>2</sup>	22	23	Swed.	Johnson Line	Stockholm, Swed.	Seattle, Wash.	Gen., paper 2,379	
St. Mihiel <sup>8</sup>	21	24	Amer.	U. S. Army	Brooklyn, N. Y.	Balboa, C. Z.	Supplies..... 683	
City of Newport News.	24	24	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General..... 2,901	
Mussolini <sup>2</sup>	22	24	Pan.	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Hannington Court. <sup>2</sup>	23	24	Brit.	Canadian Transp. Co.	Montreal, Canada	Vancouver, B. C.	General..... 5,845	
Ohioan	24	24	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Tacoma, Wash.	General..... 1,565	
Andino	24	24	Brit.	Lago Shipping Co.	S. Nicolas, N. W. I.	Balboa, C. Z.	Drydocking.....	
Brandanger <sup>2</sup>	24	24	Nor.	General S. S. Corp.	Buenos Aires, Arg.	Vancouver, B. C.	General..... 2,174	
Yasukuni <sup>2</sup>	24	25	Jap.	Nippon Yusen Kaisha	Hamburg, Ger.	Yokohama, Japan	General..... 4,431	
Ruby <sup>5</sup>	23	25	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Esso Copenhagen. <sup>1 2</sup>	23	25	Pan.	Standard Oil of N. J.	Aruba, N. W. I.	Talara, Peru	Ballast.....	
Muncester Castle <sup>2</sup>	24	26	Brit.	Barber Line	New York, N. Y.	Osaka, Japan	Scrap, gen. 6,120	
Basilica <sup>1 2</sup>	25	25	Nor.	Standard Oil of N. J.	Ellesmere, Eng.	Talara, Peru	Ballast.....	
Colombia <sup>2</sup>	21	25	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General..... 640	
Porto Bello <sup>3</sup>	25	25	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General..... 3	
Douro <sup>2</sup>	24	26	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Puerto Bolivar.	General..... 428	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Submarine. <sup>6</sup> Transport. <sup>7</sup> Mine sweeper. <sup>8</sup> For bananas and return to Cristobal. <sup>9</sup> Oil, machinery, etc. <sup>10</sup> Oil, steel, general, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Arizona	25	26	Fr...	French Line	Havre, France	Valparaiso, Chile	Iron, gen.	975
Leticia <sup>3</sup>	26	26	Pan..	A. Tagaropoulos	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sally Maersk <sup>2</sup>	26	26	Dan..	A. P. Moller	Baltimore, Md.	Eten, Peru	Ballast	
Point Ancha	26	26	Amer.	Swayne & Hoyt	New Orleans, La.	Seattle, Wash.	General	4,180
Ciss	19	26	Nor..	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	958
Katendrecht <sup>1 2</sup>	26	27	Neth.	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	California	Ballast	
Ashjorn <sup>2</sup>	26	27	Dan..	Hasagawa Line	Beaumont, Tex.	Yokohama, Japan	Scrap iron	7,318
Sea Thrush	27	28	Amer.	Grace Line	New York, N. Y.	Antofagasta, Chile	Ballast	
Capillo	27	27	Amer.	N. W. Pac. Oriental Co.	Baltimore, Md.	Seattle, Wash.	Ballast	
Dakotan	27	27	Amer.	Amer.-Hawaian Line	Boston, Mass.	Portland, Oreg.	General	3,557
Europa <sup>2</sup>	27	27	Dan..	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	750
Sambu <sup>2</sup>	26	28	Pan..	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Nuevo Panama <sup>2</sup>	23	28	Pan..	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	160
Gard <sup>1 2</sup>	27	28	Nor..	Wrangell & Co.	Santos, Brazil	California	Ballast	
Montebello <sup>1</sup>	27	28	Amer.	Union Oil of Calif.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Bahrein <sup>1</sup>	27	28	Pan..	Standard Oil of Calif.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Egyptian Reefer <sup>2</sup>	27	28	Dan..	J. Lauritzen	Liverpool, Eng.	Seattle, Wash.	Ballast	
Dagfred <sup>2</sup>	28	28	Nor..	J. P. Pedersen & Son.	Providence, R. I.	Kobe, Japan	Scrap iron	7,566
Grenanger <sup>2</sup>	28	28	Nor..	Westfal, Larsen & Co.	Algiers, Africa	Los Angeles, Cal.	Ballast	
Thelma <sup>1 2</sup>	27	28	Nor..	Tonnevolds Rederi	Lake Charles, La.	Los Angeles, Cal.	Ballast	
Santa Maria <sup>2</sup>	28	29	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile	General	2,932
Clio <sup>2</sup>	27	29	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	566
Orduna	28	29	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile	General	3,759
San Felipe	28	29	Amer.	Quaker Line	New York, N. Y.	Portland, Oreg.	Steel, gen.	4,200
Santa Isabel <sup>3</sup>	27	30	Nic..	Francisco McRea	Pto. Cabezas, Nic.	Corinto, Nic.	Iron rails	46
Lara	27	29	Amer.	Grace Line	New York, N. Y.	Talara, Peru	General	2,443
Sedgepool	28	29	Brit.	Anglo-Canadian Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	
Yomachichi <sup>2</sup>	28	29	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Haiphong, China	General	6,209
Barfonn <sup>1 2</sup>	28	29	Nor..	Standard Oil of N. J.	Caripito, Venez.	Tocopilla, Chile.	(14)	13,794
Pacific President <sup>2</sup>	28	30	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	84
Lillian Luckenbach	28	29	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,944
President Monroe	29	29	Amer.	Amcr. President Lines	New York, N. Y.	S. Francisco, Cal.	General	5,398
Prusa	28	30	Amer.	Lykes Line	New Orleans, La.	Chile	Ballast	
Karnt <sup>2</sup>	28	30	Nor..	Chile Nit. Sales Corp.	Panama City, Fla.	Chile	Ballast	
Penmar	29	30	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	4,689
Norvinn <sup>1 2</sup>	29	30	Pan..	Rasmussen & Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Trontolite <sup>1 2</sup>	29	30	Brit.	Imperial Oil Co.	St. John, N. B.	Talara, Peru	Ballast	
Surrey	29	30	Brit.	Amer.-Australian	Glasgow, Scot.	Sydney, Aust.	General	3,096
Telde	28	30	Hond.	United Fruit Co.	New Orleans, La.	Quipos, C. R.	Gen., cement	1,887
Reinholt <sup>2</sup>	29	30	Nor..	De La Rama S. S. Co.	Savannah, Ga.	Manila, P. I.	General	5,096
Anatina <sup>2</sup>	30	30	Nor..	W. I. Trading Co.	Baltimore, Md.	Dairen, China	Steel	8,745
Carolinian	30	30	Amer.	Amer.-Hawaian Line	Boston, Mass.	Seattle, Wash.	General	2,811
Sessa	29	30	Dan..	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General	2,180
Sona <sup>2</sup>	29	29	Pan..	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	29	29	Pan..	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Draco <sup>2</sup>	29	1	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Pto. Bolivar	General	490
Mussolini <sup>2</sup>	29	29	Pan..	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Firmore	29	1	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Sambu <sup>2</sup>	30	30	Pan..	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Nathan <sup>2</sup>	1	1	Pan..	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		20
Frank <sup>2</sup>	1	1	Pan..	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		20
K. R. Kingsbury <sup>1</sup>	30	2	Amer.	Arrow Oil Co.	Curacao, N. W. I.	S. Francisco, Cal.	Ballast	
Nero <sup>2</sup>	1	2	Neth.	Royal Neth. S. S. Co.	Curacao, N. W. I.	Tumaco, Colom.	(15)	350
Northland	1	4	Amer.	U. S. Navy	Boston, Mass.	S. Francisco, Cal.	Ballast	
Olopana	2	2	Amer.	Isthmian S. S. Lines	Baltimore, Md.	San Diego, Calif.	Steel, gen.	4,067
Columbia <sup>2</sup>	30	2	Pan..	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	980
Porto Bello <sup>3</sup>	2	2	Pan..	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Ebba <sup>2</sup>	24	3	Pan..	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Anders Jahre <sup>1 2</sup>	2	3	Nor..	Standard Oil of N. J.	Aruha, N. W. I.	Los Angeles, Cal.	Ballast	
California Stand-ard <sup>1 2</sup>	3	3	Pan..	R. F. Hand	Glasgow, Scot.	Los Angeles, Cal.	Ballast	
Rotorua	3	4	Brit.	N. Z. Shipping Co.	Newport, Eng.	Timaru, N. Z.	(16)	6,473
Salvador	27	3	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	280
West Camargo	2	3	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Vancouver, B. C.	General	4,237
Mau	3	3	Amer.	Baltimore Mail Co.	New York, N. Y.	S. Francisco, Cal.	General	2,348
Istmo	3	4	Pan..	Elliot Ship. & Land Co.	Cartagena, Col.	B'ventura, Col.	Salt, gen.	646
Rangitiki <sup>2</sup>	3	4	Brit.	N. Z. Shipping Co.	London, England	New Zealand	General	1,912
Gertrude Maersk <sup>2</sup>	3	4	Dan..	Maersk Line	Boston, Mass.	Cebu, P. I.	General	6,182
L-53 <sup>5</sup>	3	4	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge	
Rialto <sup>2</sup>	3	4	Ital.	Italian Line	Trieste, Italy	Vancouver, B. C.	General	1,537
Waroonga	3	5	Brit.	Brit. India Steam Nav.	Falmouth, Eng.	Australia	General	5,537
Nebraskan	4	4	Amer.	Amer.-Hawaian Line	N. London, Conn.	Portland, Oreg.	General	1,863
Tokai Maru <sup>2</sup>	4	4	Jap.	Osaka Syosen Kaisya	Rotterdam, Neth.	Dairen, China	General	7,333
Justitia	3	4	Brit.	Andrew Weir & Co.	Philadelphia, Pa.	Yawata, Japan	Scrap steel	8,306
Breda	1	4	Neth.	Royal Neth. S. S. Co.	Amsterdam, Neth.	Corral, Chile	General	1,166
Desoto	4	4	Amer.	Waterman S. S. Corp.	Jacksonville, Fla.	Putag Sed., Wash.	General	2,319
Real <sup>2</sup>	3	3	Pan..	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	3	3	Pan..	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>13</sup> For bananas and return to Cristobal. <sup>14</sup> Fuel and Diesel oil. <sup>15</sup> Lard, oil, general, etc. <sup>16</sup> Iron, steel, general, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Samuel Bakke <sup>2</sup>	3	5	Nor.	Knut Knutsen	Goth'burg, Swed.	Valparaiso, Chile.	Paper, gen.	3,091
Pomona	4	5	Amer.	Pae. Coast Direct Line	Bridgeport, Conn.	Seattle, Wash.	General.	3,377
Japanese Prince <sup>2</sup>	4	5	Brit.	Mitsui Co.	Baltimore, Md.	Kobe, Japan	Steel	9,124
Bethore	4	5	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Honomu	5	5	Amer.	Matson Nav. Co.	Philadelphia, Pa.	Honolulu, T. H.	General.	2,406
Orangeleaf <sup>1</sup>	4	5	Brit.	British Navy	Bermuda, B.W.I.	Balboa, C. Z.	Fuel, stores	5,025
D. G. Scofield <sup>1</sup>	4	5	Amer.	Shell Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Mathew Luckenbach.	4	6	Amer.	Luckenbach Line	Houston, Tex.	Seattle, Wash.	General.	5,078
Washington Express. <sup>2</sup>	4	9	Nor.	Fruit Express Line	Glasgow, Scot.	Los Angeles, Cal.	Ballast	
Hawaiian	5	6	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Taoma, Wash.	General.	2,014
Walter A. Luckenbach.	5	6	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General.	3,766
Hokuroku Maru <sup>2</sup>	5	6	Jap.	Osaka Syosen Kaisya.	Boston, Mass.	Kobe, Japau.	Gen., phos.	8,045
Port Sydney	6	7	Brit.	Port Line	Glasgow, Scot.	New Zealand	Psgrs. only	
Cadmus	5	6	Nor.	United Fruit Co.	Pt. Arthur, Tex.	Punatarenas, C.R.	Gen., oil	955
Santa Rita <sup>2</sup>	6	7	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	General.	3,210
Hunter Liggett <sup>8</sup>	6	7	Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	General.	230
Peggy V. <sup>5</sup>	6	7	Amer.	Veney	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Illinois <sup>1</sup>	6	7	Amer.	The Texas Co.	Pt. Arthur, Tex.	Los Angeles, Cal.	Lub. oil	9,184
Vermar	6	7	Amer.	Calmar Line	Philadelphia, Pa.	Seattle, Wash.	Steel, gen.	4,619
Port Darwin	6	7	Brit.	Port Line	Liverpool, Eng.	Sydney, Aust.	Ballast	
Mussolini <sup>2</sup>	6	8	Pan.	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
San Diego	6	8	Fr.	French Line	Dunkerque, Fr.	Vancouver, B. C.	General.	2,289
Lebore	6	7	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Nyholt <sup>1 2</sup>	6	7	Nor.	Christian Haaland	Houston, Tex.	Guayaquil, Ecua.	Fuel oil	9,988
Raranga	6	7	Brit.	Shaw, Savill & Albion	Glasgow, Scot.	New Zealand	Ballast	
Talisman <sup>2</sup>	6	7	Nor.	Barber Line	Baltimore, Md.	Shanghai, China	General.	5,343
Kaipaki <sup>2</sup>	6	8	Brit.	Trinder Anderson Co.	Montreal, Canada	Adelaide, Aust.	General.	6,319
Tonsbergfjord <sup>2</sup>	7	8	Nor.	Isbrandtsen Moller.	New York, N. Y.	Sladivov's k. Rus.	General.	4,992
Floridan	7	8	Amer.	Amer.-Hawaiian Line.	Wilmington, Del.	Seattle, Wash.	General.	2,705
Skjelbred <sup>2</sup>	7	8	Nor.	Fern Line	New Orleans, La.	Yokohama, Japan	(13)	7,896
Ringar <sup>2</sup>	7	8	Nor.	Mitsui Line	Baltimore, Md.	Dairen, China	(14)	8,074
Norlys <sup>1 2</sup>	8	8	Pan.	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
City of Los Angeles	8	8	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General.	2,676
Columbia <sup>2</sup>	6	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	882
Pereira	3	8	Pan.	Grace Line	Cristobal, C. Z.	Champ'ieo, Guat.	General.	574
Asosan Maru <sup>2</sup>	8	8	Jap.	Mitsui & Co.	New York, N. Y.	Yokohama, Japan	(15)	8,360
Antinous	8	9	Amer.	Waterman S. S. Corp.	Tampa, Fla.	Kobe, Japan	Phosphate	8,063
Keiyo Maru <sup>2</sup>	8	8	Jap.	Nippon Yusen Kaisha	Pt. Arthur, Tex.	Kobe, Japan	(16)	8,321
West Cape	8	9	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	Taoma, Wash.	Sulphur	7,812
Indra <sup>2</sup>	8	8	Nor.	Knutsen Line	Norrsundet, Swed.	Portland, Ore.	Wood pulp.	5,396
Sambu <sup>2</sup>	7	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Virgilio <sup>2</sup>	8	9	Ital.	Societa Italia	Genoa, Italy.	Valparaiso, Chile.	General.	338
Matros <sup>2</sup>	8	9	Pan.	Y. Hviistedahl	Pensacola, Fla.	Yokohama, Japan	Scrap iron.	5,955
Nero <sup>2</sup>	8	9	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Puerto Bolivar.	General.	398
Buenos Aires <sup>2</sup>	8	9	Swed.	Johnson Line	Goth'burg, Swed.	Valparaiso, Chile.	Gen., paper.	2,168
Santore	7	9	Amer.	Ore S. S. Corp.	Norfolk, Va.	Cruz Gr'de, Chile	Ballast	
Balla <sup>2</sup>	9	10	Nor.	Smith & Johnson	Vigo, Spain	Yavaros, Mexico.	Ballast	
Porto Bello <sup>3</sup>	9	9	Pan.	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General.	3
Col. Riche <sup>5</sup>	8	10	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge.	
Douro <sup>2</sup>	8	10	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	304
American Reefer <sup>2</sup>	9	10	Dan.	J. Lauritzen	Manchester, Eng.	Seattle, Wash.	Ballast	
Kiyokawa Maru <sup>2</sup>	9	10	Jap.	Kawasaki K. Kaisha.	New York, N. Y.	Yokohama, Japan	Gen., cotton	8,201
Steel Exporter	10	10	Amer.	Isthmian S. S. Lines.	Mobile, Ala.	Hilo, T. H.	Steel, sulph.	5,652
Teesbank <sup>2</sup>	10	11	Brit.	Bank Line, Ltd.	Tampico, Mexico.	Adelaide, Aust.	(17)	8,049
Amerikaland <sup>2</sup>	10	11	Swed.	Ore S. S. Corp.	Baltimore, Md.	Gruz Cr'de, Chile	Ballast	
Silvaplane <sup>2</sup>	10	10	Nor.	Continental Grain Co.	Norfolk, Va.	Manila, P. I.	Coal	8,743
Naruto Maru <sup>2</sup>	10	11	Jap.	Nippon Yusen Kaisya	Boston, Mass.	Kobe, Japan	Copper, gen.	8,013
Fearless II <sup>6</sup>	29	11	Amer.	Alb. E. Schwabacker.	New York, N. Y.	S. Francisco, Cal.	Ballast	

PACIFIC TO ATLANTIC

Hunter Liggett <sup>8</sup>	10	12	Amer.	U. S. Army	Honolulu, T. H.	New York, N. Y.	General.	3,621
El Oso <sup>1</sup>	10	11	Brit.	C. T. Bowring & Co.	Cabo Bl'oe, Peru	Ellesmere, Eng.	Bulk oil	9,972
Sakito Maru <sup>2</sup>	10	12	Jap.	Nippon Yusen Kaisha	Yokohama, Japan	London, England	(18)	7,580
Baron Incheape	10	12	Brit.	H. Hogarth & Sons.	Willapa, Wash.	London, England	Timber, gen.	8,443
Tuscaloosa City	10	13	Amer.	Isthmian S. S. Lines.	Portland, Oreg.	Avonmouth, Eng.	Lum., gen.	8,081
Douro <sup>2</sup>	11	13	Neth.	Royal Neth. S. S. Co.	Tumaco, Colomb.	Cristobal, C. Z.	Coffee, hides	534
Rangitata <sup>2</sup>	11	12	Brit.	N. Z. Shipping Co.	Auckland, N. Z.	London, England	Frozen, gen.	5,690
Indian Prince <sup>2</sup>	11	12	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Liverpool, Eng.	Lum., gen.	8,263
Peter Kerr	11	12	Amer.	States S. S. Co.	Portland, Oreg.	Philadelphia, Pa.	(19)	9,533
Yorkmar	11	12	Amer.	Calmar Line	Seattle, Wash.	Baltimore, Md.	Lum., copper	7,284
Potter <sup>2</sup>	12	13	Amer.	Roosevelt S. S. Co.	Saigon, Ind-China	New York, N. Y.	(20)	2,443

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Yacht. <sup>6</sup> Transport. <sup>7</sup> Cotton, lubricating oil, etc. <sup>8</sup> Steel products, scrap. <sup>9</sup> Gasoline, steel, etc. <sup>10</sup> Phosphate, coffee, cocoa. <sup>11</sup> General, oil, cotton, etc. <sup>12</sup> Canned goods, general. <sup>13</sup> Lumber, copper, general. <sup>14</sup> Rice, rubber, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Edwin Christenson	12	12	Amer.	Sudden & Christenson	So. Bend, Wash.	Baltimore, Md.	Lumber	6,960
Pirre <sup>2</sup>	12	13	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Real <sup>2</sup>	12	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Rossington Court.	12	14	Brit.	Canadian Transp. Co.	Britannia, B. C.	United Kingdom	( <sup>15</sup> )	10,000
Marconi <sup>2</sup>	12	13	Pan.	D. Campodionico.	Panama, R. P.	Cispatia, Cionm.	Ballast.	
Vega	11	15	Amer.	U. S. Navy	Bremerton, Wash.	Norfolk, Va.	General.	2,770
Charles H. Cramp	12	13	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Baltimore, Md.	Lum., gen.	6,306
Santa Maria <sup>2</sup>	12	13	Amer.	Grace Line	Valparaiso, Chile.	New York, N. Y.	General.	3,780
Honolulan	12	13	Amer.	Amer.-Hawaian Line.	Portland, Oreg.	Baltimore, Md.	Lum., gen.	7,440
Point Lobos	12	13	Amer.	Swayne & Hoyt	Portland, Oreg.	Tampa, Fla.	Lum., gen.	6,885
Herman Frasch	12	13	Amer.	Dutton Lumber Co.	Astoria, Oreg.	Wilmington, Del.	Lumber	4,950
Marore	14	14	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,500
Texas Sun <sup>1 2</sup>	14	14	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	14,991
Libue	13	14	Amer.	Matson Nav. Co.	Kahului, T. H.	Baltimore, Md.	( <sup>16</sup> )	9,538
Karnt	13	14	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Pensacola, Fla.	Nitrate	8,850
Indianian	13	14	Amer.	Amer.-Hawaian Line.	Everett, Wash.	New York, N. Y.	Lum., copper	7,611
Amsterdam <sup>1</sup>	13	14	Neth.	H. Clarkson & Co.	Talara, Peru	Rotterdam, Neth.	( <sup>15</sup> )	10,357
Nankai Maru <sup>2</sup>	13	15	Jap.	Osaka Syosen Kaisya	Tsingtau, China	Antwerp, Belgium	( <sup>16</sup> )	5,096
Acajutla	13	19	Brit.	Pacific Steam Nav. Co.	Champico, Guat.	Cristobal, C. Z.	Coffee, wood	141
King Idwal	14	16	Brit.	Canadian Transp. Co.	Victoria, B. C.	United Kingdom	Lumber	6,664
Wyoming	14	16	Fr.	French Line	Portland, Oreg.	Rotterdam, Neth.	( <sup>17</sup> )	6,318
Pacific Reliance	14	15	Brit.	Furness, Withy & Co.	Victoria, B. C.	Manchester, Eng.	General	8,357
Panaman	14	15	Amer.	Amer.-Hawaian Line.	Seattle, Wash.	Boston, Mass.	General	7,729
Clio	14	16	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	( <sup>18</sup> )	531
Colombia	15	17	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	( <sup>19</sup> )	427
San Gabriel	15	15	Amer.	Pacific-Atlantic Co.	Marshfield, Oreg.	Pristsmouth, Eng.	Lum., pulp.	6,588
Moorby	15	16	Brit.	Ropner Shipping Co.	Englewood, B. C.	Immingham, Eng.	Lumber	8,100
Canada	15	16	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den	Lumber, gen.	9,763
General Wm. M. Graham <sup>4</sup>			Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge.	
Porto Bello	14	15	Pan.	A. Tagaropolous.	Darien, R. P.	Colon, R. P.	( <sup>20</sup> )	3
Cordillera	15	16	Brit.	Donaldson Bros.	Victoria, B. C.	Glasgow, Scotland	General	6,065
Nevadan	15	16	Amer.	Amer.-Hawaian Line.	Portland, Oreg.	Boston, Mass.	General	8,526
Tronjanger <sup>2</sup>	15	16	Nor.	Intercean S. S. Co.	Portland, Oreg.	Azores <sup>18</sup>	Grain, gen.	7,950
Telde	15	17	Hond.	United Fruit Co.	Pto. Arm'les, R. P.	New Orleans, La.	Coffee, gen.	173
California Express <sup>2</sup>	15	16	Nor.	Fruit Express Line	S. Francisco, Cal.	Kristiansand, Nor	Fruit, gen.	2,021
Kainalu	15	16	Amer.	Matson Nav. Co.	Honolulu, T. H.	Philadelpia, Pa.	Pineapples	7,452
Duane	16	17	Amer.	U. S. Coast Guard	Mare Island, Cal.	Boston, Mass.	Ballast	
Ino <sup>2</sup>	16	18	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, skins.	236
Maui	15	17	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	5,229
Pirre	16	17	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Sona	16	17	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	378
Eli	16	17	Nor.	S. S. Owners-Oper.	Britannia, B. C.	Claymont, Del.	Pyrites	7,550
Santore	16	17	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,500
D. G. Scofield <sup>1</sup>	16	17	Amer.	Standard Oil of Calif.	Los Angeles, Cal.	Bayonne, N. J.	Fuel oil	10,122
Henry D. Whiton.	16	17	Amer.	Dutton Lumber Corp.	Tacoma, Wash.	Pe'keepsie, N. Y.	Lumber	5,400
Point Salinas	16	17	Amer.	Swayne & Hoyt	Astoria, Oreg.	New Orleans, La.	Lumber, gen.	5,938
Elisabeth Bakke <sup>2</sup>	16	17	Nor.	Knut Knutsen	Vancouver, B. C.	Manchester, Eng.	Lumber, gen.	7,016
Amagisan Maru <sup>2</sup>	16	17	Jap.	Mitsui Bussan Kaisha	Singapore, St. Set.	New York, N. Y.	General	7,444
Waimarama <sup>2</sup>	16	17	Brit.	Shaw, Savill & Albion	Brisbane, Aust.	London, England	Frozen, gen.	8,291
Norman Monareh	16	18	Brit.	Seaboard of Vancouver	Victoria, B. C.	Montreal, Canada	Lumber	7,800
Mussolini <sup>2</sup>	17	19	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	65
J. L. Luckenbach	16	17	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,173
Marna	16	17	Dan.	J. Lauri zen	Valparaiso, Chile.	New York, N. Y.	Nitrate, gen.	2,655
San Rafael	17	17	Amer.	Quaker Line	Portland, Oreg.	Philadelpia, Pa	Lumber, gen.	8,136
Bethore.	18	18	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,309
J. A. Mowinckel <sup>1 2 3</sup>	18	18	Pan.	Panama Transp. Co.	Talara, Peru	Cartagena, Col.	Ballast	
Sylvan Arrow <sup>1</sup>	17	18	Amer.	Socoany-Vacuum Oil.	Los Angeles, Cal.	Providence, R. I.	Fuel oil	11,951
Bragden	17	21	Brit.	Angle-Can. S. S. Co.	Victoria, B. C.	London, England	Grain, lum.	8,200
Hulda Maersk <sup>2</sup>	17	19	Dan.	Isbrandtsen Moller.	Cebu, P. I.	Baltimore, Md.	Sugar, gen.	5,923
Robin Hood	18	18	Amer.	Isthmian S. S. Lines.	Manila, P. I.	Baltimore, Md.	Sugar, pines.	8,002
Orazio <sup>2</sup>	18	19	Ital.	Italian Line	Valparaiso, Chile.	Genoa, Italy	Copper, nit.	2,342
Lochovan <sup>2</sup>	18	20	Brit.	Royal Mail Lines	Victoria, B. C.	Rotterdam, Neth.	General	8,169
Karamea <sup>2</sup>	18	20	Brit.	Shaw, Savill & Albion	Wellington, N. Z.	London, England	Gen., frozen	6,612
Santa Rita <sup>2</sup>	18	20	Amer.	Grace Line	Antof gasta, Chile	New York, N. Y.	Copp'r, gen.	3,118
Baron Belhaven	18	21	Brit.	Angle-Can. S. S. Co.	N. West'm'er, B. C.	Liverpool, Eng.	Lum., gen.	9,360
Leme <sup>2</sup>	18	20	Ital.	Italian Line	Vancouver, B. C.	Trieste, Italy	General	7,905
Lady Glanely <sup>2</sup>	18	21	Brit.	Seaboard Ship. Co.	N. West'm'er, B. C.	London, England	Wheat, lum.	9,660
Redgate	19	23	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>21</sup>	Nitrate	7,150
Ciss	19		Nor.	Grace Line	Champico, Guat.	Cristobal, C. Z.	General	359
Ufington Court.	19	22	Brit.	Canadian Transp. Co.	Seattle, Wash.	Liverpool, Eng.	Wheat, lum.	8,230
Sambu <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	60
Real <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	25
Henry S. Grove	19	20	Amer.	Shell Oil Co.	Los Angeles, Cal.	Bayonne, N. J.	Fuel oil	10,122
J. Fred Talbott <sup>9</sup>	19	20	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Lebore	20	20	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,600
Bahrein <sup>1</sup>	19	20	Pan.	Standard Oil of Calif.	Los Angeles, Cal.	Curacao, N. W. I.	( <sup>22</sup> )	9,288

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Tug. <sup>4</sup> Destroyer. <sup>13</sup> Lumber, concentrates. <sup>14</sup> Sugar, pineapples, cane. <sup>15</sup> Kerosene, gasoline. <sup>16</sup> Peanut oil, general. <sup>17</sup> Wheat, lumber, general. <sup>18</sup> Balsa, tagua, coffee. <sup>19</sup> Coffee, empty bottles. <sup>20</sup> Lumber, plantains. <sup>21</sup> For orders. <sup>22</sup> Kerosene distillate.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Mauna Kea	19	20	Amer.	Matson Nav. Co.	Los Angeles, Cal.	New York, N. Y.	Pineapples	7,810
Fresno City	19	23	Brit.	Colonial Sugar Ref.	Suva, Fiji Is.	Boston, Mass.	Sugar	8,500
Arizonan	19	20	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	London, Mass.	Gen., lumber	8,795
East Wales	20	23	Brit.	Chile Nit. Sales Corp.	Antof gasta, Chile	Azores	Nitrate	7,750
Chateau Thierry	19	21	Amer.	U. S. Army	S. Francisco, Cal.	Brooklyn, N. Y.	General	866
Cristobal	14	21	Amer.	Panama R. R. Co.	Balboa, C. Z.	Gamboa, C. Z.	Ballast	.....
City of Los Angeles	20	21	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	6,524
Leticia	20	21	Pan.	A. Tagaropoulos	Pedregal, R. P.	Colon, R. P.	Cattle	106
Jane Christenson	20	21	Amer.	Arrow Line.	Longview, Wash.	Baltimore, Md.	Lumber	6,472
Pacific	20	21	Amer.	Weyerhaeuser S.S. Co.	Portland, Oreg.	New York, N. Y.	Lumber, gen.	7,698
Ceronia	20	21	Neth.	La Corona	S. Francisco, Cal.	Curacao, N. W. I.	Gasoline	11,054
Thorsholm	21	21	Neth.	Shell Oil Co.	Los Angeles, Cal.	Curacao, N. W. I.	(15)	14,129
Eastern Guide	20	21	Amer.	Colonial S. S. Co.	So. Bend, Wash.	Boston, Mass.	Lumber	5,100
Colombia	21	25	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	7,975
Pacific	18	22	Swed.	Johnson Line	S. Francisco, Cal.	Stockholm, Swed.	(15)	5,815
Mussolini	22	24	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	63
Armadae	20	23	Brit.	Colonial Sugar Ref.	Mackay, Canada	Halifax, N. S.	Sugar	8,204
Ogontz	21	22	Amer.	Pac.-Atlantic Freight	Seattle, Wash.	Newark, N. J.	Lumber	6,541
Fortuna	21	22	Pan.	A. Ferrari	Aguadulce, R. P.	Colon, R. P.	Cattle, horses	75
Iddesleigh	21	23	Brit.	Anglo-Can. S. S. Co.	Vancouver, Wash.	London, England	Grain, lum.	9,150
Florence Luckenbach	21	22	Amer.	Luckenbach-Gulf Co.	Everett, Wash.	Mobile, Ala.	Gen., lumber	6,850
Hamakua	21	22	Amer.	Matson Nav. Co.	Honolulu, T. H.	Baltimore, Md.	(17)	7,857
Porto Bello	22	22	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(18)	10
Imperial Valley	22	24	Brit.	Seaboard Ship. Co.	Pt. Mellon, B. C.	Hull, England	Lumber	7,150
Istmo	22	24	Pan.	Elliot Shio. & Land Co.	Tumaco, Colom.	Cristobal, C. Z.	Ballast	.....
Californian	22	23	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	8,923
Nuevo Panama	23	23	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	80
Sacramento Valley	22	24	Brit.	Seaboard Lumber Co.	Victoria, B. C.	London, England	Lumber	6,600
Awazisan Maru	22	23	Jap.	Mitsui & Co.	Manila, P. I.	New York, N. Y.	(19)	9,443
Nonsuco	23	23	Amer.	North Negros Sugar.	Victoria, P. I.	New York, N. Y.	(20)	8,427
Yamazuki Maru	23	25	Jap.	Yamashita K. Kaisha	Manila, P. I.	Buenos Aires, Arg.	(21)	5,613
Ruby	22	24	Amer.	U. S. Army	P. Miguel, C. Z.	Cristobal, C. Z.	Tow. floats.	.....
Amerikaland	23	24	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
Sidney M. Hauptmann	17	24	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Gen., lumber	8,363
Ebba	24	2	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	53
Tai Ping	23	25	Nor.	Barber Wilhelmsen	Zamboanga, P. I.	Philadelphia, Pa.	Gen., woodoil	3,793
Sheaf Holme	23	25	Brit.	Andrew Weir & Co.	Cairns, Australia	Montreal, Canada	Raw sugar	8,126
Douro	23	26	Neth.	Royal Neth. S. S. Co.	Manta, Ecuador	Cristobal, C. Z.	(22)	514
Baarn	22	3	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Amsterdam, Neth	General	8,511
Kaipara	23	26	Brit.	M. A. N. Z. Line	Brisbane, Aust.	Montreal, Canada	(23)	2,054
Gryfevale	24	26	Brit.	Chile Nit. Sales Corp.	Antof gasta, Chile	Azores	Nitrate	7,610
Vermont	24	24	Amer.	Calif.-Eastern Line.	Portland, Oreg.	Philadelphia, Pa.	Gen., lumber	8,532
St. Mihiel	25	25	Amer.	U. S. Army	Balboa, C. Z.	Galveston, Tex.	General	683
Ivo Racic	23	25	Y-Slav	Chile Nit. Sales Corp.	Tocopilla, Chile.	Lisbon, Portugal	Nitrate	5,610
Point Arena	24	25	Amer.	Caldmar S. S. Corp.	Portland, Oreg.	Albany, N. Y.	Lumber	5,605
Absaroka	24	25	Amer.	McCormick S. S. Co.	Los Angeles, Cal.	Norfolk, Va.	Lumber, gen.	8,358
Chickasaw City	23	25	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Portland, Me.	Lumber, gen.	5,239
Washingtonian	24	25	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	9,222
Balboa	24	26	Swed.	Johnson Line	Vancouver, B. C.	Goth'burg, Swed.	General	8,262
Robert Luckenbach	24	25	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	Gen., lumber	9,255
Steelmaker	25	25	Amer.	Isthmian S. S. Lines.	Saigon, In.-China	New York, N. Y.	Rub., sugar.	8,468
Manoeran	25	26	Neth.	Java-Pacific Line.	Durban, S. Afr	Mombasa, N.E.I.	General	6,331
Henderson	24	27	Amer.	U. S. Navy	S. Francisco, Cal.	Norfolk, Va.	General	742
Oklahoman	25	26	Amer.	Amer.-Hawaiian Line.	S. Francisco, Cal.	Baltimore, Md.	Potash, lum.	6,925
Royal Crown	25	27	Brit.	Chile Nit. Sales Corp.	Antof gasta, Chile	Azores	Nit. of soda.	7,900
Helene Kulukundis	25	26	Greek.	Anglo-Can. S. S. Co.	N. West'm'er, B.C.	Hull, England	Lum., wheat.	9,075
Trepa	26	26	Y-Slav	Chile Nit. Sales Corp.	Antof gasta, Chile	Azores	Nitrate	8,298
Edward Luckenbach	26	26	Amer.	Luckenbach Line.	Townsend, Wash.	Boston, Mass.	General	8,435
Evros	26	26	Greek.	Lautaro Nit. Corp.	Antof gasta, Chile	Azores	Nitrate	7,750
Umlerleigh	26	28	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Hull, England	Wheat, lum.	8,600
Alaska	26	30	Fr.	French Line.	Valparaiso, Chile.	Havre, France	General	8,627
Illinois	26	26	Amer.	Quaker Line.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,977
Sambu	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Intrepid	26	30	Amer.	W. P. Murphy	Victoria, B. C.	St. Petersburg, Fla	Ballast	.....
Clio	26	28	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	(24)	240
Point Chico	26	27	Amer.	U. S. Navy	Portland, Oreg.	Tampa, Fla.	General	5,483
Salvador	26	27	Brit.	Pacific Steam Nav.Co.	Balboa, C. Z.	Cristobal, C. Z.	General	363
Santa Lucia	26	28	Amer.	Grace Line.	San Antonio, Chile	Cristobal, C. Z.	General	5,924
Nordhval	26	27	Dan.	Chile Nit. Sales Corp.	Tocopilla, Chile.	New York, N. Y.	Nitrate	8,150

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Launch. <sup>4</sup> Yacht. <sup>5</sup> Transport. <sup>6</sup> Destroyer. <sup>7</sup> For orders. <sup>8</sup> Kerosene distillate. <sup>9</sup> Canned pineapples, copra, meal. <sup>10</sup> Sugar, canned pineapples. <sup>11</sup> Plantains, lumber. <sup>12</sup> Sugar, rubber, silk, general. <sup>13</sup> Sugar, coconut oil. <sup>14</sup> Silk, silver, general. <sup>15</sup> Coffee, rubber, general. <sup>16</sup> Wool, skins, general. <sup>17</sup> Coffee, wood, drums.



PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Swiftscout 1	27	27	Amer.	Petrol Corp., L. A.	Pt. Petrol, Calif.	Baltimore, Md.	Crude oil	10,833
Sikisan Maru 2	27	28	Jap.	Mitsui Bussan Kaisha	Hakodate, Japan	London, England	Salmon	7,140
Timber Rush	27	27	Amer.	Shepard S. S. Co.	Astoria, Oreg.	N. Bedford, Conn.	Lumber, gen.	7,149
Chaucer	27	29	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Hull, England	Lum., zinc ore	9,500
Steele	28	28	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Weirbank 2	27	29	Brit.	Adelaide S. S. Co.	Gladstone, Aust.	Montreal, Canada	Sugar	8,380
California Star 2	27	29	Brit.	Blue Star Line, Ltd.	Vancouver, B. C.	United Kingdom	Refrig., gen.	8,040
Tongariro	27	30	Brit.	N. Z. Shipping Co.	Dunedin, N. Z.	Glasgow, Scot.	Frozen, gen.	5,293
Kenmar	28	28	Amer.	Calmar Line	Tacoma, Wash.	Baltimore, Md.	(16)	6,919
City of San Francisco	28	29	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	7,266
Pacific Enterprise 2	27	30	Brit.	Furness, Withy & Co.	Vancouver, B. C.	London, England	General	8,673
Besholt	28	29	Nor.	De La Rama S. S. Co.	loilo, P. I.	New York, N. Y.	Sugar, gen.	8,060
Orotava	28	29	Hond.	United Fruit Co.	La Union, Salv.	New Orleans, La.	General	16
Missourian	28	29	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	8,944
Draco 2	28	1	Neth.	Royal Neth. S. S. Co.	Tambo de Mora	Cristobal, C. Z.	Raw cotton	220
Frida	29	30	Dan.	West Coast Line	San Antonio, Chile	New York, N. Y.	Ores, gen.	2,639
S-42 7	29	30	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Norlys 1 2	28	30	Pan.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil	13,807
Mussolini 2	29	1	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	80
Invella	23	23	Brit.	Seaboard Ship. Co.	Victoria, B. C.	Hull, England	Grain, lum	7,200
Geddington Court	29	2	Brit.	Canadian Transp. Co.	Victoria, B. C.	S'ampton, Eng.	Lumber	7,667
Porto Bello 2	29	29	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Plantains	5
Sona 2	29	30	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Real 2	29	30	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Dalhana	29	2	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	United Kingdom	Lumber, gen.	8,050
Cathwood 1	29	30	Amer.	Union Oil of Calif.	S. Francisco, Cal.	Savannah, Ga.	Crude oil	1,007
Colombia 2	29	2	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	9,187
Dalryan	30	2	Brit.	United Steam Nav. Co.	Nauru Island	United Kingdom	Phosphate	7,800
Ferncliff 2	30	30	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Mobile, Ala.	Nitrate	7,751
Rothley 2	27	1	Brit.	Col. Sugar Ref. Co.	Cairns, Aust.	Montreal, Canada	Raw sugar	8,664
Hamilton	29	30	Amer.	U. S. Coast Guard	S. Francisco, Cal.	Norfolk, Va.		
Macabi	30	30	Pan.	United Fruit Co.	Quipos, C. R.	Boston, Mass.	Ballast	
Falsterbo 2	30	30	Swed.	Jorgensens Pac. Coast	Vancouver, B. C.	Dakar	Lumber, gen.	5,150
Pau Luckenbach	30	1	Amer.	Luckenbach Line	Townsend, Wash.	Boston, Mass.	Lumber, gen.	9,331
Sambu 2	30	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	70
Charles R. McCormick	1	1	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,926
Texan	30	1	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	10,715
Snark 5	1	1	Amer.	H. E. Merryman	Balboa, C. Z.	Gatun Lake, C.Z.	Ballast	
Duddy 6	1	1	Amer.	D. P. White	Balboa, C. Z.	Gatun Lake, C.Z.	Ballast	
Antioquia 9	17	2	Colom.	Colombian Govt.	Balboa, C. Z.	Cartagena, Col.		
Coricosa City 2	1	4	Brit.	Reardon Smith Line	Suva, Fiji Islands	Lands End 18	Raw sugar	9,150
Kaimoku	1	2	Amer.	Matson Nav. Co.	Kahului, T. H.	Baltimore, Md.	(15)	7,752
Bengloe	2	4	Brit.	Seaboard Shipping Co.	Vancouver, B. C.	London, England	Grain, lum	8,173
Loreto 2	2	6	Brit.	Pacific Steam Nav. Co.	Montevideo, Uru.	Liverpool, Eng.	(16)	6,500
Port Hunter	2	3	Brit.	Port Line, Ltd.	Wellington, N. Z.	Glasgow, Scot.	Frozen, gen.	6,587
Commissaire Ramel	2	3	Fr.	Messageries Marit'es.	Noumea, N. Caled	Marseilles, Fr.	(17)	5,853
Andino 1	24	3	Brit.	Lago Shipping Co.	Balboa, C. Z.	Aruba, N. W. I.	Ballast	
Oregonian	2	3	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	7,491
Hegira	2	3	Amer.	Weyerhaeuser S.S. Co.	Everett, Wash.	Norfolk, Va.	Lumber, gen.	9,680
Nagara Maru 2	2	4	Jap.	Nippon Yusen Kaisha	loilo, P. I.	Baltimore, Md.	(18)	6,075
Titanian 2	2	3	Nor.	S. S. Owners Operating	Britannia, B. C.	Claymont, Del.	Pyrites conc.	7,950
San Marcos	2	3	Amer.	Quaker Line	Longview, Wash.	Philadelphia, Pa.	Lumber, gen.	8,346
Pereira	3	8	Pan.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	410
Marehen Maersk 2	3	5	Dan.	A. P. Moller	Bugo, P. I.	New York, N. Y.	General	6,541
Steel Voyager	3	3	Amer.	Isthmian S. S. Lines	Portland, Oreg.	Avonmouth, Eng.	Barley, lum.	8,246
Sona 2	3	4	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	13
Real 2	3	4	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	10
Appledore	3	6	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Hull, England	Wheat, lum.	9,400
Tyrriford	3	4	Nor.	Canadian Gulf Line	Powell Riv., B. C.	Houston, Tex.	(19)	3,507
Katrina Luckenbach	3	4	Amer.	Luckenbach Line	Seattle, Wash.	New Orleans, La.	General	8,281
Santa Barbara 2	4	4	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	5,205
Lafacono	3	4	Amer.	Amer.-Foreign Corp.	Everett, Wash.	New York, N. Y.	Lumber	6,518
Harmonie	3	6	Brit.	Dant & Russell	Everett, Wash.	Hull, England	Lumber, pulp	6,576
Utacarbon 1	3	5	Amer.	Union Oil Co. Calif.	Los Angeles, Cal.	Paulsboro, N. J.	(20)	8,987
Kansan	4	4	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Baltimore, Md.	General	7,020
City of Norfolk	4	5	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	7,057
Santos 2	4	5	Swed.	Johnson Line	Valparaiso, Chile	Goth'burg, Swed.	(21)	5,243
Unicoi 2	4	5	Amer.	Roosevelt S. S. Co.	Brisbane, Aust.	New York, N. Y.	General	6,498
Portmar	4	5	Amer.	Calmar S. S. Corp.	Seattle, Wash.	Philadelphia, Pa.	Lumber	7,000
Clio 2	5	7	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	469
Tampa 2	2	5	Amer.	Roosevelt S. S. Co.	Adelaide, Aust.	Montreal, Canada	General	2,409
Jersey 2	4	7	Brit.	British Phos. Comm.	Ocean Island	Liverpool, Eng.	Phos. of lime	8,800
Pericles 2	4	5	Neth.	Chile Nit. Sales Corp.	Tocopilla, Chile	Jacksonville, Fla.	Nitrate	4,310

1 Tanker. 2 Motor ship. 3 Submarine. 4 Destroyer. 5 For orders. 6 For lumber, woodpulp. 7 Raw sugar, cane, canned goods. 8 Sugar, cotton, hides. 9 Copra, coffee, cacao, nickel shingles. 10 Solvents, Diesel oil. 11 Cottonseed oilcake.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Coulturn	4	6	Brit.	Seaboard Shipping Co.	Victoria, B. C.	United Kingdom.	Lumber	5,050
Bisca <sup>1 2</sup>	5	6	Nor.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	Gas, keros'ne	8,621
Ingham	4	7	Amer.	U. S. Coast Guard	Pt. Angeles, Wash.	Boston, Mass.		
Spencer	33	7	Amer.	U. S. Coast Guard	Seattle, Wash.	New York, N. Y.		
Deerpool	5	7	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Hull, England.	Wheat, lum.	8,069
Nuevo Panama <sup>2</sup>	6	7	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	75
Louisianan	5	6	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Bridgeport, Conn.	Lumber, gen.	7,304
Mussolini <sup>2</sup>	6	7	Pan.	Enrique Obarrío	Darien, R. P.	Cristobal, C. Z.	Bananas	87
Basilea <sup>1 2</sup>	6	6	Nor.	Standard Oil of N. J.	Talara, Peru.	Malmö, Sweden.	Gasoline	13,245
Puerto Rican	5	6	Amer.	Amer.-Hawaiian Line.	Los Angeles, Cal.	Philadelphia, Pa.	Lum., potash	7,800
Colombia <sup>2</sup>	6	8	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	475
City of Delhi	6	7	Brit.	Ellerman & Bucknall.	Napier, N. Z.	Montreal, Canada	General.	2,270
Modavia <sup>2</sup>	6	8	Brit.	Donaldson Line	Victoria, B. C.	Glasgow, Scot.	Fruit, gen.	5,798
Porto Bello <sup>2</sup>	6	6	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Lum., plant's	6
Kiyosumi Maru <sup>2</sup>	6	8	Jap.	Kokusai Kisen Kaisya	Manila, P. I.	Philadelphia, Pa.	(13)	8,595
West Kyska	6	7	Amer.	Waterman S. S. Corp.	So. Bend, Wash.	Baltimore, Md.	Lumber	7,548
Jersey City	6	8	Brit.	Seaboard Shipping Co.	Brit. Columbia.	Great Britain.	Lumber	6,000
Ino <sup>2</sup>	7	9	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	541
Aconecagua <sup>2</sup>	7	7	Chile	Cia Sud Amer. de Vap.	Valparaiso, Chile.	New York, N. Y.	General.	5,139
Nero <sup>2</sup>	7	9	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	(14)	216
Sambu <sup>2</sup>	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	
Frijoles <sup>3</sup>	1		Amer.	Paul S. Wilson.	Ped. Miguel, C. Z.	Balboa, C. Z.	Tow, barge.	
Barge	1		Amer.	Paul S. Wilson.	Ped. Miguel, C. Z.	Balboa, C. Z.	Ballast	
Australind <sup>2</sup>	5	10	Neth.	Australind S. S. Co.	Pt. Pirie, Aust.	Casa Blanca, Af.	(15)	8,567
Douro <sup>2</sup>	7	10	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(16)	497
Losmar	7	8	Amer.	Calmar Line.	Seattle, Wash.	Philadelphia, Pa.	Lumber	6,838
Northleigh	7	7	Brit.	Seaboard Shipping Co.	Vancouver, B. C.	S'amp'ong, Eng.	Lumber	8,200
Julia Luckenbach.	7	8	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	(17)	9,219
Lockhatrine <sup>2</sup>	7	7	Brit.	Royal Mail Lines	Victoria, B. C.	Liverpool, Eng.	(18)	9,874
Pyro	7	9	Amer.	U. S. Navy	Bremerton, Wash.	Norfolk, Va.	Navy gen.	1,290
Ebba <sup>2</sup>	8	8	Pan.	H. Obarrío	Darien, R. P.	Cristobal, C. Z.	Bananas	43
North Star <sup>2</sup>	7	8	Amer.	Dept. of the Interior.	Seattle, Wash.	Boston, Mass.	General, dogs	113
Heranger <sup>2</sup>	7	8	Nor.	Interocean S. S. Corp.	Portland, Oreg.	Rotterdam, Neth.	(19)	6,786
Benckom	8	8	Neth.	Chile Nit. Sales Corp.	Valparaiso, Chile.	Charleston, S. C.	Nit. of soda	8,624
Torukawa Maru <sup>2</sup>	8	9	Jap.	Kawasaki Ka. Kaisha	Manila, P. I.	Galveston, Tex.	General.	6,378
Bengal Maru	8	9	Jap.	Nippon Yusen Kaisha	Muroran, Japan.	Liverpool, Eng.	Can. salmon.	5,535
Hunter Liggett <sup>6</sup>	6	10	Amer.	U. S. Army	Balboa, C. Z.	New York, N. Y.	General.	239
Svealand <sup>2</sup>	8	9	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
Trecarrell	7		Brit.	States Lumber Co.	Portland, Oreg.	Liverpool, Eng.	Lumber	4,100
Iowan	8	9	Amer.	Amer.-Hawaiian Line.	Astoria, Oreg.	Boston, Mass.	General.	7,168
Marymar	8	9	Amer.	Calmar Line.	S. Francisco, Cal.	Baltimore, Md.	(20)	7,820
Cymbula <sup>1 2</sup>	9	10	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	(21)	11,304
Santa Inez <sup>2</sup>	9	10	Amer.	Grace Line.	Antof gasta, Chile	New York, N. Y.	(22)	3,814
H. D. Collier <sup>1</sup>	9	9	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Providence, R. I.	Furnace oil.	11,325
Sambu <sup>2</sup>	9		Pan.	Elliot Ship. & Land Co.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Pennsylvania Sun. <sup>1 2</sup>	9	10	Amer.	Sun Oil Co.	El Segundo, Calif.	Marcus Hook, Pa.	Gasoline	17,506
Pontypridd	9	10	Brit.	Bank Line, Ltd.	Townsville, Aust.	Montreal, Canada	Raw sugar	7,240
Liberty Glo.	9	10	Amer.	Amer.-Foreign Corp.	Tacoma, Wash.	New York, N. Y.	Lumber	7,500
North Haven	10	10	Amer.	Northland Transp. Co.	Seattle, Wash.	Boston, Mass.	Can. salmon.	5,944
Arajutla	10		Brit.	Pacific Steam Nav. Co.	Champico, Guat.	Cristobal, C. Z.	Coffee, wood	197
Benjamin Franklin.	9		Nor.	Fred Olsen Line.	Seattle, Wash.	Bergen, Norway	General.	6,713
Andrea F. Luckenbach.	9	10	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	General.	11,544
Tungsha <sup>2</sup>	10		Nor.	Colonial Sugar Ref. Co.	Cairns, Australia.	Montreal, Canada	Sugar	8,563
San Simeon	10	10	Amer.	Pacific Atl. S. S. Co.	Los Angeles, Cal.	Baltimore, Md.	Lumber, gen.	8,339
Sona <sup>2</sup>	10	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	39

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Launch. <sup>4</sup> Transport. <sup>5</sup> Oil, sugar, silk, general. <sup>6</sup> Coffee, hides, lumber. <sup>7</sup> Copra, lead, general. <sup>8</sup> Ivory nuts, coffee. <sup>9</sup> Lumber, canned and dried fruit. <sup>10</sup> Canned goods, fruit, general. <sup>11</sup> Wheat, lumber, general. <sup>12</sup> Lumber, pulp, copper. <sup>13</sup> Kerosene, solvent, lampblack. <sup>14</sup> Metals, produce, fruit.

Information from American Consuls

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

Ships' Chandlery Supplies

Panama Canal Storehouses carry a complete line of ships' chandlery supplies available for sale to ships.

**Comparison of Traffic at the Suez and Panama Canals for Twelve Months Ended August 31, 1939 and 1938**

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1939	1938	Increase	Decrease	1939	1938	Increase	Decrease
September.....	508	522	.....	2.7	438	444	.....	1.4
October.....	540	557	.....	3.1	494	461	.....	7.2
November.....	495	526	.....	5.9	505	435	.....	16.1
December.....	503	541	.....	7.0	509	439	.....	15.9
January.....	472	544	.....	13.2	525	444	.....	18.2
February.....	496	548	.....	2.4	501	436	.....	14.9
March.....	536	578	.....	7.3	553	506	.....	9.3
April.....	509	516	.....	1.4	496	487	.....	1.8
May.....	508	479	.....	6.1	506	465	.....	8.8
June.....	474	469	.....	1.1	479	445	.....	7.6
July.....	471	509	.....	7.4	485	429	.....	13.1
August.....	477	522	.....	8.6	490	468	.....	4.7
Total.....	5,989	6,271	.....	4.5	5,981	5,459	.....	9.6

**Supplement to Tariff 13.—Coal**

The Panama Railroad Company issued on October 11, 1939, supplement No. 3 to Tariff No. 13, making changes as shown below:

**Item 21.—COAL**

(Effective November 1, 1939)

Paragraph 5 of Item 21 to Tariff No. 13 is annulled and the following substituted:  
 5. The prices of coal, regardless of quantity, and the rates for services in connection with its delivery are as follows:

	Per ton of 2,240 lbs.	
	Cristobal-Colon	Balboa
(a) Coal delivered to vessels at Coaling Plants, trimmed in bunkers.....	\$7.75	\$10.75
(b) Coal delivered to vessels by lighters from Cristobal Coaling Plant, trimmed in bunkers.....	8.25	-----
A flat charge of \$52.50 for lightertage on any quantity delivered will be made in addition to the basic price per ton.		
(c) For sacking lump coal for galley use, or other grades of coal, in addition to the basic price per ton.		
Labor, etc.....	3.00	3.00
Sacks, when furnished by Coaling Plant.....	2.00	2.00
If delivery is made at points other than the Coaling Plant, an extra charge covering the cost of delivery will be made.		

**Official Publications of Interest to Shipping**

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters," and the current tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C.Z.; or, when more convenient, to The Panama Canal, Washington, D.C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa, a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

**Consular Officers Accredited to Canal Zone**

<i>Name</i>	<i>Title</i>	<i>Address</i>
BELGIUM		
J. J. Henriquez.....	Honorary Consul for Canal Zone.....	Colon
BOLIVIA		
Dr. Jorge Eduardo Boyd..	Honorary Consul General for Canal Zone....	Panama
BRAZIL		
Jorge D. Arias F.....	Honorary Consul for Canal Zone.....	Panama
Pedro Ernesto Arias I...	Honorary Vice Consul for Canal Zone.....	Panama
COLOMBIA		
Juan A. Calvo.....	Consul General for Canal Zone from Balboa to Gamboa.....	Panama
Jorge Castaño Castillo..	Consul General for Canal Zone from Cristobal to Gatun, including Gatun Lake.....	Colon
COSTA RICA		
Juan Dávila Solera.....	Honorary Consul General at Balboa for the Canal Zone.....	Panama
Enrique Pucci Paoli....	Honorary Consul at Cristobal for the Canal Zone.....	Colon
DENMARK		
Samuel Levy Maduro ..	Honorary Consul for Canal Zone.....	Panama
Colman Sasso.....	Honorary Consul for Canal Zone.....	Colon
DOMINICAN REPUBLIC		
Manuel de J. Quijano ..	Honorary Consul General for Canal Zone.....	Panama
H. J. Henriquez.....	Honorary Vice Consul for Canal Zone.....	Colon
EL SALVADOR		
Ernesto A. Boyd.....	Honorary Consul for Canal Zone.....	Panama
Roberto Boyd.....	Vice Consul for Canal Zone.....	Panama
FINLAND		
Herman J. Henriquez ..	Honorary Consul for Canal Zone.....	Colon
FRANCE		
Pierre H. de la Blanchetai..	Consul for Canal Zone.....	Panama
GERMANY		
Ernest F. Neumann....	Honorary Consul for port of Balboa, including Pacific part of Canal Zone.....	Panama
Kurt Lindenberg.....	Acting Consul for port of Cristobal and the Atlantic part of Canal Zone.....	Cristobal
Walther Schmidt.....	Acting Consul for port of Cristobal and the Atlantic part of Canal Zone during the absence of Kurt Lindenberg on leave for six months from middle of May 1939.....	Cristobal
GREAT BRITAIN		
Frederick E. F. Adam....	Consul General for Canal Zone.....	Panama
Douglas Gerald Rydings..	Consul for Canal Zone.....	Panama
Frank Butler.....	Vice Consul for Canal Zone.....	Panama
GUATEMALA		
Tomás Arias.....	Honorary Consul for Pacific part of Canal Zone at Balboa.....	Panama
Manuel J. Castillo.....	Honorary Vice Consul at Cristobal.....	Colon
HAITI		
Alfred Joseph.....	Consul General for Canal Zone.....	Colon
Max R. Stempel.....	Consul at Balboa, Canal Zone.....	Panama

<i>Name</i>	<i>Title</i>	<i>Address</i>
HONDURAS		
Juan Francisco Arias F...	Honorary Consul at Balboa, Canal Zone.....	Panama
HUNGARY		
Pedro Ernesto Arias I...	Honorary Consul for Canal Zone.....	Panama
JAPAN		
Yashichi Otani.....	Consul for Canal Zone.....	Panama
MEXICO		
Silvio Salazar.....	Honorary Consul for Canal Zone from Cristobal to Gorgona.....	Colon
NETHERLANDS, THE		
David M. Sasso.....	Honorary Consul General for Canal Zone.....	Panama
Julio A. Salas.....	Honorary Consul for Cristobal, Canal Zone....	Colon
NICARAGUA		
Armando Pallais L.....	Consul General for Canal Zone.....	Panama
Roberto Feuillebois.....	Honorary Consul for Cristobal, Canal Zone....	Colon
NORWAY		
Tomás H. Jácome.....	Consul at Balboa and Ancon, Canal Zone.....	Panama
Alan Neave Dodd.....	Consul for Canal Zone, except Balboa and Ancon..	Colon
PERU		
Dr. Luis Cuneo Harrison.....	Consul General for Canal Zone.....	Panama
Fernando Rodríguez Pastor..	Consul for Cristobal, Canal Zone.....	Colon
POLAND		
Luis Fernando Prada...	Honorary Consul for Canal Zone.....	Colon
SWEDEN		
Capt. Hans Elliot.....	Consul for Canal Zone.....	Panama
Julio A. Salas.....	Honorary Vice Consul for Canal Zone.....	Colon
VENEZUELA		
Bernardo Suarez.....	Consul General for Canal Zone.....	Colon

### Tolls Charges for Transit of the Panama Canal

(Effective March 1, 1938)

1. Complete transit (one way):
  - (a) Merchant vessels, yachts, army and navy transports, colliers, hospital ships, and supply ships, when carrying passengers or cargo—  
Per net vessel-ton of 100 cubic feet each of actual earning capacity—that is, the net tonnage determined in accordance with the Rules for the Measurement of Vessels for the Panama Canal..... \$0.90
  - (b) Vessels in ballast without passengers or cargo—  
Per net vessel-ton..... .72
  - (c) Other floating craft, including warships, other than transports, colliers, hospital ships, and supply ships—  
Per ton of displacement..... .50
2. Part transit:  
Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
3. Free transit:  
Vessels transiting the Panama Canal by prearrangement from Cristobal to Balboa and return for the sole purpose of having repairs made at Balboa drydock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

## Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices to individuals and companies, as of October 7, 1939:

Commodities	Unit	Price
Brass, bar, average.....	Lb.	\$0.23
Brass, sheet, average.....	Lb.	.30
Bronze, Tobin, average.....	Lb.	.22
Gasoline, motor grade.....	Gal.	.11
Metal, yellow.....	Lb.	.26
Oakum, Navy, spun.....	Lb.	.19
Oakum, Navy, unspun.....	Lb.	.18
Oil, gun and ice machine.....	Gal.	.31
Oil, engine, gas, light, in drums, No. 2135.....	Gal.	.28
Oil, engine, gas, extra heavy, in cases, No. 2250.....	Gal.	.32
Oil, engine, gas, extra heavy, in drums, No. 2250.....	Gal.	.30
Oil, kerosene, in drums.....	Gal.	.11
Oil, marine, engine.....	Gal.	.46
Paint, lead, white, dry.....	Lb.	.11
Paint, lead, white, in oil.....	Lb.	.12
Paint, zinc oxide, dry.....	Lb.	.09
Paint, zinc oxide, in oil.....	Lb.	.12
Grease, gear, chain and wire rope, lubricating.....	Lb.	.05
Grease, yellow, cup, medium.....	Lb.	.07
Grease, yellow, cup, hard.....	Lb.	.07
Soda, ash.....	Lb.	.03
Waste, cotton, colored.....	Lb.	.11
Waste, cotton, white.....	Lb.	.13

### Lubricating Oils

The following is a list of the different kinds of lubricating oil carried in stock at Panama Canal storehouses, and a brief description of each of the oils with a statement of the purpose for which it is generally used.

Requisitions and orders for oils placed with the storekeepers should state the name (including number, if any) of the oil desired exactly as given on the following list:

#### STATEMENT OF STANDARD LUBRICATING OILS AND THEIR USES

##### OILS, FORCE FEED AND MOTOR CYLINDER

*Medium, No. 2135.*—A medium oil for the lubrication of main turbines not driving through reduction gears, dynamos, and small internal combustion engines. Not to be used for steam cylinder lubrication.

*Heavy, No. 2190.*—A heavy oil that will separate quickly from water. For the lubrication of turbines with reduction gears, medium size internal combustion engines, and forced feed on main engines. A heavy bodied oil for use on auxiliary equipment.

*Extra heavy, No. 2250.*—An extra heavy oil for the lubrication of medium size internal combustion engines, power cylinders, air compressors, and bearings of Diesel engines.

*Ultra heavy, No. 2310.*—An ultra heavy oil for the lubrication of power cylinders, air compressors, and bearings of large Diesel engines.

*Tractor, heavy, No. 3100.*—A very heavy body oil for aircraft engines, high speed gasoline engines, motor trucks, motor boats, motor cycles, and Diesel engines S. A. E.-50.

*Diesel engine lubricating.*—For Diesel engines.

##### OILS, MISCELLANEOUS

*Ammonia cylinder* (gun and ice machine grade No. 125).—A refined petroleum oil without the admixture of fatty oils, resins, soap, or other compounds not derived from petroleum. For the lubrication of the cylinders of ice machines, pneumatic tools, and hydraulic systems.

*Car and locomotive.*—A lubricant on journals of all cars, passenger coaches, steam and electric locomotives.

*Castor.*—Grade "A." Used for lubricating purposes of the highest grade.

*Cutrite, soluble cutting.*—A mixture of soluble alkali soap in mineral and fixed saponifiable oils. For use in turret lathes and bolt machines.

*Fish.*—Used as a rust preventative and for tempering.

*Lard.*—For use on pipe cutting and threading machines.

*Insulating.*—Switch (Electrical Division).

*Insulating.*—Transformer (Electrical Division).

*Lubricant* (gear, chain and wire rope).—For lubrication and protection of chains, wire rope, and gears of cranes, dredges, steamshovels, etc.

*Machine, odorless.*—For use on typewriters.

*Marine engine, No. 4065, compounded.*—A compound of mineral with vegetable oil for the lubrication of reciprocating engines and auxiliaries where oiling is done by hand or through wick feed or drop oilers, also for thrust bearings. Must not be used for circulating of forced feed systems.

*Mineral steam cylinder, No. 5150.*—For use on reciprocating steam engines using dry saturated steam. For noncondensing steam engine cylinder lubrication (valve oil).

*Mineral steam cylinder, superheated.*—For use on reciprocating steam engines using superheated steam.

*Neatsfoot.*—For softening and preserving leather.

*Solvent.*—Rust-preventing lubricant, for general use.

*Sperm.*—Used principally by U. S. Navy.

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.



*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXIII Balboa Heights, C. Z., November 15, 1939 No. 4

## Traffic Through the Panama Canal in October 1939

The total vessels of all kinds transiting the Panama Canal during the month of October 1939, and for the same month in the two preceding years, are shown in the following tabulation:

	October 1939			October	
	Atlantic to Pacific	Pacific to Atlantic	Total	1938	1937
Ocean-going commercial traffic.....	237	221	458	494	461
Small commercial vessels <sup>1</sup> .....	38	35	73	79	82
Noncommercial vessels:					
United States Government.....	23	21	44	27	33
Colombian Government.....	1	1	2	.....	1
For repairs.....	1	2	3	4	2
<b>Total.....</b>	<b>300</b>	<b>280</b>	<b>580</b>	<b>604</b>	<b>579</b>

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC <sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the 12-month period ended October 31, 1939, as compared with the 12-month period ended October 31, 1938:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1938-9	1937-8	1938-9 <sup>3</sup>	1937-8 <sup>4</sup>	1938-9	1937-8	1938-9	1937-8
November.....	505	435	2,302,333	2,110,000	2,223,830	2,185,283	\$1,984,014.72	\$1,893,462.00
December.....	509	439	2,336,011	2,070,000	2,374,395	2,046,170	2,031,017.04	1,845,045.20
January.....	525	444	2,380,916	2,053,000	2,393,360	2,065,402	2,062,454.16	1,837,894.72
February.....	501	436	2,282,518	1,993,000	2,206,963	1,998,827	1,996,735.66	1,786,611.45
March.....	553	506	2,586,580	2,311,526	2,664,068	2,268,548	2,252,156.28	2,015,585.34
April.....	496	487	2,278,326	2,258,836	2,472,504	2,279,235	1,999,851.16	1,961,456.58
May.....	506	465	2,341,894	2,150,228	2,538,949	2,809,171	2,063,502.16	1,888,825.66
June.....	479	445	2,268,679	2,064,793	2,437,087	2,122,389	1,977,431.94	1,801,291.78
July.....	485	429	2,254,398	2,193,816	2,317,697	2,025,660	1,974,380.72	1,694,205.60
August.....	490	468	2,247,009	2,177,699	2,385,039	2,171,674	1,964,776.48	1,890,650.74
September.....	457	438	2,119,418	2,005,241	2,445,700	1,998,464	1,855,574.22	1,741,895.46
October.....	458	494	2,065,465	2,276,194	2,386,314	2,359,673	1,815,210.24	1,977,796.76
<b>Total.....</b>	<b>5,964</b>	<b>5,486</b>	<b>27,466,547</b>	<b>25,404,333</b>	<b>28,845,906</b>	<b>25,860,496</b>	<b>23,967,104.78</b>	<b>22,332,033.69</b>

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>3</sup> Panama Canal net tonnage as figured under rules which became effective March 1, 1938.

<sup>4</sup> Estimated tonnage under rules which became effective March 1, 1938.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons, (Panama Canal measurement), which transited the Panama Canal during the month of October 1939. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	38	1,421	\$1,112.04	775
Pacific to Atlantic.....	35	1,486	1,275.48	1,392
<b>Total.....</b>	<b>73</b>	<b>2,907</b>	<b>2,387.52</b>	<b>2,167</b>

Traffic by Nationality of Vessels <sup>5</sup> for October 1939

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British.....	683	447,390	\$394,609.92	447,294
Chilean.....	3	15,046	13,541.40	13,165
Danish.....	17	59,280	51,538.86	62,257
Egyptian.....	1	4,239	3,815.10	7,564
French.....	9	42,798	38,518.20	35,634
Greek.....	17	74,028	65,015.28	108,736
Honduran.....	4	6,486	5,837.40	4,180
Italian.....	4	23,336	21,002.40	9,612
Japanese.....	27	157,624	141,861.60	205,891
Netherlands.....	28	35,116	30,226.86	27,304
Norwegian.....	60	274,268	235,465.38	321,995
Panamanian.....	20	42,244	33,568.74	27,926
Peruvian.....	1	2,259	2,033.10	2,135
Philippine.....	1	4,805	4,324.50	6,907
Swedish.....	11	48,245	40,509.00	69,175
United States.....	171	828,307	731,042.82	1,036,539
Yugoslav.....	1	3,194	2,299.68	.....
Total.....	458	2,068,665	1,815,210.24	2,386,314

<sup>5</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>6</sup> Includes 1 naval vessel of 5,835 displacement tons.

## Traffic by Trade Routes for October 1939

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo is frequently laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	48	238,533	197,328	68	338,900	556,075
East coast United States and:						
Canada.....	1	6,871	.....	5	20,182	34,889
Central America/Mexico.....	4	5,875	7,404	3	4,263	450
South America.....	25	102,071	36,431	23	92,141	207,564
Hawaiian Islands.....	5	23,590	10,774	5	23,609	40,865
Australasia.....	6	37,105	34,795	.....	.....	.....
Philippine Islands.....	8	44,718	51,267	11	61,678	79,466
Far East.....	46	228,307	352,017	4	22,422	25,182
Canada intercoastal.....	.....	.....	.....	2	8,777	12,789
East coast Canada and:						
United States.....	1	3,930	8,213	.....	.....	.....
Australasia.....	1	5,575	6,319	5	25,729	27,051
Far East.....	1	6,042	7,206	1	5,892	9,428
Central America/Mexico intercoastal.....	.....	.....	.....	1	6,264	.....
South America intercoastal.....	2	947	996	1	2,259	2,135
East coast South America and:						
United States.....	1	4,032	5,046	1	1,400	2,748
Canada.....	1	4,551	4,237	1	4,573	9,002
Far East.....	1	5,425	8,520	1	5,399	7,928
Cristobal and:						
Central America/Mexico.....	5	3,436	2,011	5	4,433	924
South America.....	19	15,691	9,070	16	9,873	7,736
West Indies and:						
United States.....	4	28,065	.....	6	31,845	59,456
Canada.....	1	2,080	2,000	.....	.....	.....
South America.....	3	9,797	8,813	2	6,714	9,426
Balboa.....	1	5,113	10,047	.....	.....	.....
Europe and:						
United States.....	11	46,259	13,456	6	29,564	37,363
Canada.....	9	45,073	9,438	30	150,996	235,218
Central America/Mexico.....	1	2,486	.....	.....	.....	.....
South America.....	11	57,369	21,787	11	59,250	86,860
Australasia.....	11	90,271	24,301	7	48,309	50,642
Far East.....	3	14,525	13,596	4	21,122	28,293
Balboa.....	2	14,734	9,752	.....	.....	.....
Around the world.....	2	.....	.....	.....	.....	.....
Vessels not engaged in commerce.....	21	.....	.....	.....	.....	.....
Foreign vessels in ballast (United States intercoastal)	4	18,615	.....	2	11,985	.....
Total.....	237	1,071,086	854,824	221	997,579	1,531,490

<sup>7</sup> Naval vessel.



### Origin and Destination of Cargo by Major Areas, October 1939

The following table summarizes the origin of cargo passing through the Canal in October 1939, and its destination by major geographical trade areas:

#### ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States.....	200,889	18,015	420,396	35,641	33,220	708,161
Other North America.....	10,280	15,461	3,928	21,775	8,124	59,568
Europe.....	19,891	2,063	7,073	18,464	24,071	71,562
Miscellaneous.....	8,131	242	6,390	770	.....	15,533
Total.....	239,191	35,781	437,787	76,650	65,415	854,824

#### PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	541,392	82,231	115,145	7,798	746,566
Canada.....	34,889	12,419	159,653	1,692	208,653
Other North America.....	41,308	931	13	.....	42,252
South America.....	199,463	25,304	86,819	2,135	313,721
Australasia.....	4,488	22,587	50,618	.....	77,693
Asia.....	114,312	3,963	23,969	361	142,605
Total.....	935,852	147,435	436,217	11,986	1,531,490

### Principal Commodities

Commodities which aggregated 10,000 or more tons either during October 1939, or in October 1938, are listed below:

Commodity	October		Commodity	October	
	1939	1938		1939	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic</i>		
Automobiles and parts.....	9,453	14,776	Barley.....	13,823	16,924
Canned food products.....	14,187	13,466	Beans, edible, dry.....	14,544	17,860
Cement.....	2,419	10,897	Canned food products.....	202,063	160,416
Chemicals.....	11,241	10,050	Coffee.....	11,248	11,875
Coal and coke.....	28,089	11,423	Cold storage (food products) <sup>9</sup> .....	16,795	24,359
Cotton, raw.....	33,688	15,387	Copra.....	12,640	9,998
Iron and steel.....	124,753	136,746	Cotton, raw.....	9,209	13,414
Machinery.....	13,058	16,249	Flour.....	11,413	12,633
Manufactured goods <sup>8</sup> .....	15,270	12,534	Fruit, dried.....	51,612	55,686
Metals, various.....	22,083	83,049	Fruit, fresh <sup>10</sup> .....	8,246	36,189
Oils, mineral.....	131,199	85,154	Lumber.....	333,826	253,041
Ores.....	15,479	1,299	Metals, various.....	51,439	59,679
Paper.....	24,132	40,095	Nitrate.....	61,332	148,260
Phosphates.....	21,669	1,700	Oils, mineral.....	191,560	248,877
Scrap metal.....	170,150	55,201	Oils, vegetable.....	19,188	14,829
Sulphur.....	23,822	13,573	Potash.....	164,052	160,088
Tinplate.....	11,277	11,792	Soy beans.....	14,605	14,647
Wood pulp.....	11,991	3,893	Sugar.....	4	11,311
			Sugar.....	134,608	125,043
			Wheat.....	33,131	61,311
			Wood pulp.....	25,695	18,011

<sup>8</sup> Except as otherwise classified.

<sup>9</sup> Except fresh fruit.

<sup>10</sup> Except bananas.

### Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of October 1939, as reported in the cargo declarations showing the movement by direction, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo"; the statistics are accordingly not precise, but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts		5		19
Agricultural implements	239	28	2,005	32
Alfalfa meal		146		281
Ammonium compounds	93		6,196	
Animal foods <sup>11</sup>	41	96	51	96
Apparel, wearing (hats, shoes, clothing, etc.)	53		43	49
Asbestos	490		4,134	1
Asphalt and tar	177	5	3,971	17
Automobiles (and autotrucks)	675	8	3,988	12
Automobile parts and accessories	520		5,465	
Bags and bagging, textile	151	211	485	331
Bamboo and products				592
Bananas				1,986
Barks, miscellaneous		103		407
Barley		204		13,823
Beans, edible, dry		10,080	90	14,544
Beer	29		306	320
Blood and tankage			234	313
Books and printed matter		296	30	314
Borax		404	2	6,909
Bran and pollards		22	21	1,266
Bricks and tile	181		1,359	122
Camphor, crude				273
Canned and preserved goods:				
Fish	648	29,832	1,358	57,418
Fruit	1,315	53,041	1,385	95,962
Meat	119	667	2,198	1,539
Milk		75	548	225
Soup	4,535	185	4,641	419
Vegetables	561	22,299	735	22,906
Miscellaneous and unclassified	2,647	21,587	3,322	23,594
Carbon black	56	8	1,016	224
Celite		46		46
Cement	203	71	2,419	149
Chalk			1,026	
Charcoal	73	39	73	30
Chemicals <sup>11</sup>	3,482	499	11,241	2,801
Clay, china and fire	691	54	881	75
Clay, filtering		238		754
Coal	2,314		21,728	5,000
Cocoa and cacao beans	133	8	990	843
Coconuts and products <sup>11</sup>	159	467	254	2,202
Coffee	85	377	5,829	11,248
Coke	375		6,361	16
Cold storage and refrigerated products:				
Dairy products	11	61	360	6,961
Eggs				75
Fish	87	91	120	440
Lard	721		949	60
Meats			46	8,131
Vegetables		210		352
Other and unclassified	482	747	490	773
Confectionery	1,720		1,725	22
Copra				12,129
Copra meal and cake				511
Corn			2,645	2
Cotton, raw	51	251	33,688	9,209
Drugs and medicines	1,153	131	1,380	287
Dyes	22		22	13
Earthenware		16	143	206
Eggs, dried				26
Electrical apparatus and appliances	1,366	144	2,356	274
Enamel and metalware	386	34	755	176
Explosives	31	5	106	93
Extract, quebracho			155	
Fertilizers <sup>11</sup>	948	11	1,752	1,321
Fish, salted or dry-cured			81	220
Fish meal				3,373
Floor coverings	2,493	1,227	2,673	1,234
Flour	30	8,659	852	11,413
Fruit, dried	31	26,531	45	51,612
Fruit, fresh <sup>11</sup>		912	241	8,246
Furniture and household goods	552	4	554	4
General	11,221	3,764	40,174	13,821
Glass and glassware	1,349	71	3,936	709
Glue	101	313	101	313
Grains <sup>11</sup>				100
Groceries	3,264	1,057	3,769	1,178
Gums		91		233
Hair, all kinds	241	62	241	261

<sup>11</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Hay		54	25	204
Hemp, unmanufactured	18	147	432	2,305
Honey		134		295
Horns and hoofs				13
Infusorial earth	26	117	26	1,006
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	68,060	497	124,753	617
Ivory nuts			9	1,900
Jute, unmanufactured	162	48	178	49
Lard substitute	78		78	
Lime	45		239	
Liquors	2,463	240	3,010	285
Lumber (including manufactured mill products)	2,876	172,265	4,058	333,826
Machinery	1,437	241	13,058	1,299
Malt	25		25	
Manufactured goods <sup>11</sup>	5,895	896	15,270	2,269
Marble and granite	19		224	
Matches	121	94	334	94
Metals:				
Antimony	50		67	
Copper	655	1,529	7,585	29,898
Gold and silver			1	75
Iron	3,359	50	5,199	50
Lead	54	546	2,121	10,697
Tin	264	314	461	2,588
Zinc	250		2,119	5,752
Other and unclassified	376	36	4,530	2,379
Milk, powdered	17	141	128	201
Molasses and syrups	413		493	
Nitrate	2,200		6,603	61,332
Nuts, edible (including meats)	123	560	186	1,319
Oats	129	116	193	2,081
Oils, mineral:				
Crude		25,353	44,880	35,670
Gas and fuel	23	31,867	31,838	79,977
Gasoline, benzine, and naphtha	33	32,508	11,835	50,902
Kerosene	3	4,112	185	20,132
Lubricating and greases	15,353	930	42,321	962
Other and unclassified		3,784	140	3,917
Oils, vegetable:				9,994
Coconut				8
Linseed	20	2	48	155
Olive		155	159	1,285
Peanut		9		1,200
Rapeseed				140
Teasced				1,559
Wood	6		116	4,847
Other and unclassified	303	30	806	2,105
Oil, fish	48	1,754	162	1,248
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)		182	1,441	9,476
Oilseed cake and meal	1,200		1,200	
Ores:				
Antimony		57		1,251
Chrome				8,903
Copper		447	8,213	776
Gold and silver				398
Iron				132,237
Lead			631	500
Magnesite		2,942		2,961
Manganese	2,001	362	2,550	362
Tin				7,688
Zinc			2	4,445
Other and unclassified	8	372	4,083	4,531
Paints and varnishes	942	332	2,039	336
Paper and paper products <sup>11</sup>	8,845	4,727	24,132	9,103
Peanuts	578		578	510
Peas, dry		118		135
Peatmoss	9		9	
Phosphates	2,091	849	21,669	9,649
Plaster			117	5
Porcelainware	150	118	464	4,906
Potash	40	14,069	408	14,605
Pyrethrum flowers				634
Rags and waste	224		944	285
Railroad material		6	3,723	6
Rice	512	2,525	512	6,106
Rope and twine	410	48	469	82
Rosin	708		5,914	372

<sup>11</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Rubber:				
Manufactured.....	665	52	3,602	119
Raw.....			3,500	3,272
Scrap.....		1	2,327	45
Salt.....	95	1,793	7,488	2,293
Sand.....	18		2,023	1,100
Scrap metal.....	176	315	170,150	499
Seeds (except oilseeds).....	55	715	128	1,164
Shells, oyster.....	203		293	507
Silk, raw.....		177		3,316
Skins and hides.....	4	1,578	67	3,516
Slag.....			100	
Slate.....	1,521		1,521	
Soaps and products.....	1,605	133	1,996	306
Soda and sodium compounds:				
Soda ash.....	95		405	440
Soda, caustic.....	336		1,532	
Miscellaneous and unclassified.....	411	77	1,409	268
Soy beans.....	47		47	4
Spices.....	205	18	272	100
Sugar.....	40	18,932	167	134,608
Sulphur.....	21,266	127	23,822	205
Talc.....		396	20	914
Tallow.....	69	1,245	95	3,014
Tea.....	16	46	51	3,576
Textiles <sup>12</sup> .....	2,566	85	5,869	4,980
Tinplate.....	835	98	11,277	149
Tobacco and manufactures.....	326	49	3,648	421
Toilet preparations.....	166		210	15
Turpentine.....	149		903	
Vegetables, dry <sup>11</sup> .....	20	138	25	5,800
Wallboard.....	237	19	491	654
Wax, paraffin.....	131		932	218
Wheat.....		83	414	33,131
Wines.....	363	1,925	1,071	2,140
Wood pulp.....	229	21,357	11,991	25,695
Wool.....	23	896	230	3,185
Total, October 1939.....	200,889	541,392	854,824	1,531,490
Total, October 1938.....	210,537	402,184	746,178	1,613,495
Total, October 1937.....	234,845	445,342	860,074	1,578,714

<sup>11</sup> Except as otherwise classified.    <sup>12</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of October 1939:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	7	43,136	9,184	10	62,089	102,777
East coast United States and:						
South America.....	1	5,771	9,988			
Hawaiian Islands.....	1	3,732				
Philippine Islands.....				1	3,864	<sup>13</sup> 6,721
Far East.....	3	23,162	43,648	1		
Central America/Mexico intercoastal.....				1	6,264	
West Indies and:						
United States.....	4	28,065		5	26,422	53,436
South America.....	2	6,714	8,813	2	6,714	9,426
Balboa.....	1	5,113	10,047			
Europe and:						
United States.....	2	12,790				
South America.....	2	14,424		2	12,915	24,244
Total.....	23	142,907	81,680	21	118,268	196,604

<sup>13</sup> Coconut oil.

**Comparison of Canal Traffic in October 1939, with October Traffic in Previous Years**

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of October			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1914 <sup>14</sup>	83	(000 omitted)	(000 omitted)	1915 <sup>15</sup>	100	(000 omitted)	(000 omitted)
1915		298	425	1916	60	334	466
1916	151	446	617	1917	145	184	258
1917	164	483	600	1918	165	447	583
1918	181	511	657	1919	162	506	627
1919	191	620	705	1920	199	472	576
1920	226	864	991	1921	232	659	781
1921	249	989	985	1922	222	879	966
1922	291	1,212	1,446	1923	325	880	907
1923	420	1,979	2,127	1924	429	1,434	1,631
1924	383	1,779	2,018	1925	382	2,016	2,249
1925	406	1,808	2,009	1926	424	1,761	1,996
1926	435	1,965	2,374	1927	441	1,909	2,160
1927	551	2,390	2,716	1928	521	2,020	2,311
1928	543	2,325	2,581	1929	524	2,269	2,463
1929	554	2,541	2,844	1930	502	2,299	2,554
1930	506	2,389	2,393	1931	447	2,310	2,502
1931	384	1,925	1,763	1932	447	2,140	2,089
1932	367	1,838	1,581	1933	364	1,820	1,650
1933	433	2,233	2,124	1934	347	1,758	1,513
1934	467	2,327	2,173	1935	436	2,201	2,059
1935	441	2,181	2,229	1936	432	2,143	2,109
1936	482	2,313	2,463	1937	449	2,160	2,209
1937	461	2,182	2,439	1938	467	2,239	2,531
1938	494	2,276	2,360	1939	460	2,163	2,282
1939	458	2,069	2,386	10 mos. cal. yr. 1939	492	2,264	2,322
					495	2,283	2,425

<sup>14</sup> Canal opened August 15, 1914. <sup>15</sup> Average for 10½ months.

**Terminal Activities**

Ships repaired during the month of October 1939, numbered 76. Vessels released from drydock numbered 9. Fuel oil amounting to 403,975 barrels was delivered as bunkers to 163 commercial vessels. Bunker coal amounting to 16,076 tons was delivered to 39 commercial ships. Sales of commissary supplies to ships aggregated \$39,476.

**Cargo Handled at Terminal Ports**

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	37,840	15,155	52,995
Local cargo shipped..... tons..	2,295	748	3,043
Cargo received for transshipment..... tons..	50,430	641	51,071
Cargo transhipped..... tons..	51,553	86	51,639
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	6	2	8
Number of releases issued.....	36	26	62
Tons received.....	107	13	120
Tons withdrawn.....	69	18	87

**All Vessels Entering and Clearing Port**

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal..	536	3,159,619	1,876,392	497	2,854,674	1,715,924
Vessels entering port but not transiting Canal..	54	312,798	165,152	13	50,001	31,000
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	122	670,775	400,271	89	574,788	334,944
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	539	3,148,216	1,870,339	491	2,811,471	1,685,204
Vessels clearing port but not transiting Canal..	55	321,560	170,119	13	54,038	33,531
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	121	643,602	384,518	89	570,572	332,905

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight October 10, 1939, to midnight November 10, 1939. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

Breda, 451, 2,997	U. S. A. T. Republic, 618, 28	Colombia, 3, 0	Axel Johnson, 173, 109	Nero, 299, 625
Jamaica, 72, 547	City of San Francisco, 11, 0	Colombia, 135, 426	Sawokla, 250, 0	Lara, 100, 1
Santa Elena, 239, 353	America, 12, 77	Aneon, 4,161, 956	Nevadan, 5, 0	Colombia, 45, 41
Comm. Ramel, 7, 0	Sanyo Maru, 383, 55	Quirigua, 164, 736	City of Norfolk, 8, 0	Lexa Maersk, 330, 95
Samuel Bakke, 29, 696	Florida, 8, 0	Draco, 236, 589	Tropic Star, 0, 11	Greta Maersk, 0, 145
Rialto, 187, 1	Amerikaland, 0, 2	Ulua, 578, 146	Pasajero, 0, 15	Manto, 332, 333
Pereira, 458, 0	Nero, 38, 134	Abraham Lincoln, 93, 259	Maranon, 0, 121	Olancho, 1,022, 399
Colombia, 0, 895	Salvador, 0, 275	Telde, 32, 390	Lagarto, 0, 277	Santa Elena, 262, 863
Cristobal, 4,351, 426	West Camargo, 92, 518	Sambu, 0, 165	Santa Inez, 430, 65	Real, 0, 42
Sta. Barbara, 486, 4	Contessa, 1,515, 163	San Lucas, 1,048, 1	Colombia, 1,136, 787	Cefalu, 997, 323
Talamanca, 203, 398	Nagara Maru, 749, 82	Aria, 5, 0	California Express, 0, 24	Arma Maru, 801, 125
Santos, 0, 220	Marchen Maersk, 1,015, 229	Manto, 47, 319	Colombia, 18, 1,873	Salvador, 134, 0
Clio, 520, 240	Musa, 2,202, 0	Fella, 672, 221	Tolosa, 804, 43	Siamese Prince, 0, 1
Santa Rita, 271, 31	Olancho, 452, 457	Benekom, 3, 0	Orotava, 8, 518	Platano, 1,928, 218
Simon Bolivar, 5, 872	City of Norfolk, 603, 8	City of Los Angeles, 6, 0	Tai Ping Yang, 890, 0	Cristobal, 5,360, 650
Carrillo, 813, 454	Cadmus, 43, 52	Antigua, 131, 674	Plevo, 0, 22	Santa Maria, 395, 1
City of Delhi, 0, 2	Unicoi, 211, 0	Santa Paula, 146, 343	Nero, 492, 642	Telde, 654, 676
Pereira, 7, 576	Tampa, 81, 0	San Pablo, 621, 196	City of Baltimore, 15, 0	Nuevo Panama, 156, 0
Kiyosumi Maru, 495, 0	San Diego, 79, 0	Yamaura Maru, 750, 0	Skrarnstad, 0, 10	Sofie Bakke, 1,136, 0
Nero, 233, 554	Hunter Liggett, 896, 328	Arminda, 0, 26	American Press, 1,560, 842	U. S. A. T. Hunter Liggett, 2,237, 40
Buenos Aires, 77, 216	Colombia, 524, 778	Nemours, 0, 1	Salvador, 1, 165	Talamanca, 165, 679
Lochkatrine, 100, 161	Modavia, 0, 22	Contessa, 1,152, 157	Santa Rosa, 320, 338	Ville D'Amiens, 0, 16
Veragua, 36, 720	De La Salle, 115, 1,684	Washington Express, 0, 23	Santa Rita, 297, 150	Draco, 601, 173
Oregon Express, 8, 23	Ino, 602, 730	Margaret Lykes, 52, 0	Winnipeg, 3, 0	Tai Ping, 13, 0
Santa Inez, 220, 0	Virgilio, 178, 1	Losada, 1, 50	Komaki Maru, 486, 0	Douro, 371, 554
Titanian, 0, 1	Duro, 549, 447	Pygmalion, 282, 2,766	Orotava, 23, 0	Alabama, 95, 26
Trajanus, 0, 2,798	Terukawa Maru, 1,561, 226	Sta. Barbara, 250, 113	Amerikaland, 0, 6	Cacique, 248, 660
Benj. Franklin, 17, 271	Santa Rosa, 257, 787	Chiriqui, 180, 814	Acajutla, 1, 379	Fortuna, 0, 164
Platano, 1,717, 27	Macaebi, 0, 716	Sona, 0, 27	Duro, 362, 383	Veragua, 126, 251
Socrates, 135, 728	Mau, 6, 0	Santa Marta, 805, 126	Santa Clara, 632, 69	Nemours, 0, 211
Mayari, 0, 62	Cefalu, 1,147, 210	Colombia, 1,285, 344	Svealand, 0, 2	Comayagua, 618, 240
Kansai Maru, 198, 313	Acajutla, 209, 0	Douro, 17, 0	Oropesa, 383, 2	Greystoke Castle, 0, 34
Orotava, 768, 955	Santa Lueia, 282, 50	Ciss, 0, 685	Ciss, 176, 0	Contessa, 1,038, 367
Comoyagua, 311, 605	Maine, 3,206, 70	Cellina, 307, 10	Francis R. Hart, 0, 2	Disa, 1,404, 0
Platano, 30, 0	Chester Valley, 711, 164	Sea Thrush, 434, 0	Musa, 2,039, 205	R. L. Hustler, 2, 0
City of Baltimore, 678, 1	Scottish Star, 92, 0	Jamaica, 148, 218	Kongo Maru, 468, 0	
Barne, 3,763, 543		San Gabriel, 674, 12	Panama, 5,212, 644	
Colombia, 986, 787		Sambu, 0, 73	Wisconsin, 126, 47	
Istmo, 190, 40		Hardanger, 25, 591	Real, 0, 35	
Cacique, 62, 374			Colombia Star, 1, 0	

#### BALBOA

Marchen Maersk, 200, 0	President Adams, 13, 0	Venice Maru, 121, 15	Pereira, 0, 1	Copiapo, 1, 0
Rangitiki, 0, 1	Rangitane, 198, 0	Eso Copenhagen, 0, 5	Virgilio, 0, 3	Ciss, 0, 7
Comm. Ramel, 1, 0	Santa Clara, 58, 0	British Columbia Express, 584, 2	Acajutla, 2, 0	Salvador, 4, 0
Utacaron, 2, 0	Tamerlane, 2, 0	Colombia, 0, 1	Fella, 1,306, 0	City of Newport News, 558, 0
Rialto, 0, 1	Colombia, 0, 1	California Express, 4, 0	Vinland, 252, 0	Santa Inez, 187, 11
Santa Rita, 165, 10	Acajutla, 0, 3	Saint Gobain, 0, 1	Annie Johnson, 2, 0	Aconagua, 0, 2
Aconagua, 10, 0	Santa Barbara, 155, 7	Istmo, 22, 0	Amerika, 2, 0	Maui, 315, 0
City of Los Angeles, 0, 2	Sawokla, 73, 0	Colombia, 0, 1	City of San Francisco, 2, 2	U. S. A. T. Hunter Liggett, 2,040, 54
Samuel Bakke, 0, 1	Maranon, 165, 4	Salvador, 0, 1	City of Baltimore, 5, 0	City of Baltimore, 2, 9
Kiyosumi Maru, 1, 0	Kongo Maru, 3, 0	Santa Barbara, 3, 0	Cacique, 0, 4	Santa Rita, 1, 27
Colombia, 0, 1	Choco, 0, 13	City of Norfolk, 2, 0	Esso Panama, 130, 0	Esso Panama, 0, 30
Santa Inez, 2, 1	Celina, 0, 1	U. S. A. T. Hunter Liggett, 2,661, 458	City of Norfolk, 1, 0	U. S. A. T. Chateau Thierry, 1,619, 0
Santa Lueia, 158, 20	Santa Maria, 18, 0	Heranger, 1, 0	Canadian Reifer, 2,468, 0	Komaki Maru, 2, 0
U. S. A. T. Republic, 1,094, 91	Tai Ping Yang, 538, 0	Benj. Franklin, 229, 0	Oropesa, 0, 1	Salvador, 0, 1
Canadian Star, 0, 31	Colombia, 2, 0	Pirre, 40, 0		

NOTE.—Figures shown represent short tons of 2,000 pounds.

### Passengers

During October 1939, ocean ship passengers debarking at Cristobal numbered 3,645, embarking 1,770; at Balboa, 1,938 debarking, 963 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 4,444; from the Pacific to the Atlantic 1,830. Commercial aircraft numbering 68 entered Cristobal with 294 passengers debarking; clearances were 66 with 314 passengers embarking. Balboa entries of aircraft numbered 53, with 125 passengers debarking; clearances were 53, with 152 passengers embarking.

Movements of Ocean Vessels Through the Panama Canal  
From midnight October 10, 1939, to midnight November 10, 1939

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Oregon Express <sup>2</sup>	9	16	Nor.	Fruit Express Line...	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	.....
Magister	10	11	Brit.	J. S. Webster & Sons.	Turks Is., B.W.I.	Vancouver, B. C.	Salt	..... 2,000
Thorsholm <sup>1 2</sup>	10	11	Nor.	A. S. Thor Dahl	New Orleans, La.	Yokohama, Japan	Crude oil	..... 14,079
Napier Star	10	11	Brit.	Blue Star Line.....	Newcastle, Eng.	New Zealand	Ballast	.....
Ferubank <sup>2</sup>	10	11	Nor.	Fern Line	Houston, Tex.	Shanghai, China	Cotton	..... 4,050
Indianan	11	12	Amer.	Chile Exploration Co.	Boston, Mass.	Antofagasta, Chile	Ballast	.....
Waipawa <sup>2</sup>	11	12	Brit.	Shaw, Savill & Albion	Liverpool, Eng.	Auckland, N. Z.	General	..... 5,166
Nitro <sup>13</sup>	10	13	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	General	..... 3,694
Santa Lucia	11	12	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	..... 4,079
Sambu <sup>2</sup>	9	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	..... 100
Sona <sup>2</sup>	10	10	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Sargo <sup>7</sup>	8	12	Amer.	U. S. Navy	Washington, D.C.	San Diego, Calif.	Ballast	.....
Mayari	11	12	Pan.	United Fruit Co.	Boston, Mass.	Pto. Arm'les, R.P.	General	..... 2,740
Nicolaou Ourania	11	12	Greek	S. Bonomo	New York, N. Y.	Kenjsho, Japan	Scrap iron	..... 8,915
Arkansan	11	12	Amer.	Amer.-Hawaian Line.	Boston, Mass.	Portland, Oreg.	General	..... 2,658
Marore	11	12	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Scottish Star	11	12	Brit.	Blue Star Line.....	Tyne, England	Vancouver, B. C.	Ballast	.....
Erie <sup>14</sup>	9	27	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Point Lobos	11	12	Amer.	Union Sulphur Co.	Galveston, Tex.	Portland, Oreg.	Sulphur	..... 6,854
Pasat	12	13	Nor.	T. B. Torgersen & Co.	Rotterdam, Neth.	Far East	Ballast	.....
Colombia <sup>2</sup>	12	13	Swed.	Johnson Line	Goth'burg, Swed.	Portland, Oreg.	General	..... 3,817
Thorshavet <sup>1 2</sup>	12	13	Nor.	Mitsubishi Shoji K.	New Orleans, La.	Osaka, Japan	Crude oil	..... 15,153
Tamerlane <sup>2</sup>	12	13	Nor.	W. Wilhelmsen Line.	Goth'burg, Swed.	Singapore, St. Set.	( <sup>15</sup> ) Fuel oil	..... 6,463
Emidio <sup>1</sup>	13	15	Amer.	General Pet. Corp.	Aruba, N. W. I.	Los Angeles, Cal.	Fuel oil	..... 10,047
William Luckenbach.	13	13	Amer.	Luckenbach Line...	Boston, Mass.	Seattle, Wash.	General	..... 4,348
Lidvard <sup>5</sup>	13	13	Nor.	L.I.Mach.&Equip.Co.	Norfolk, Va.	Moji, Japan	Scrap iron	..... 8,521
Bachaquero <sup>1</sup>	11	13	Brit.	Standard Oil of N. J.	S. Nicolas, N.W.I.	Balboa, C. Z.	Drydockng.	.....
Orotava	12	14	Hond.	United Fruit Co.	New Orleans, La.	La Union, Salv.	General	..... 1,883
Pacific Exporter <sup>2</sup>	13	14	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	..... 342
Mussolini <sup>2</sup>	13	14	Pan.	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
President Adams	14	14	Amer.	Amer.-President Lines	Boston, Mass.	Round the world.	( <sup>16</sup> ) Gen., steel	..... 4,312
Massmar	14	14	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Gen., steel	..... 6,908
Columbia Star <sup>2</sup>	13	16	Brit.	Blue Star Line.....	Tyne, England	Vancouver, B. C.	Ballast	.....
Abraham Lincoln <sup>2</sup>	13	14	Nor.	Fred Olsen Line	Oslo, Norway	Seattle, Wash.	Nitrate, gen.	..... 4,243
Draeo <sup>2</sup>	12	14	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	..... 570
Marna	13	14	Dan.	J. Lauritzen	New York, N. Y.	Talcahuano, Chile	General	..... 2,337
Tamarao	13	15	Brit.	Shaw, Savill & Albion	London, England	Auckland, N. Z.	General	..... 3,212
Winslow <sup>5</sup>	12	15	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge	.....
Maine	11	15	Amer.	Calif.-Eastern Line..	Jacksonville, Fla.	Portland, Oreg.	General	..... 4,708
Winona	14	15	Amer.	Pac. Coast Dir. Line.	New York, N. Y.	Tacoma, Wash.	General	..... 4,950
City of San Francisco.	15	15	Amer.	Panama-Pacific Line..	New York, N. Y.	S. Francisco, Cal.	General	..... 3,057
Kahuku	14	15	Amer.	Isthmian S. S. Lines.	New York, N. Y.	Seattle, Wash.	General	..... 5,339
Steelore	14	15	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Sado Maru <sup>2</sup>	14	15	Jap.	Nippon Yusen Kaisha	Antwerp, Belgium	Kobe, Japan	General	..... 7,133
Colombia <sup>2</sup>	13	15	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	..... 844
Caeique	14	15	Amer.	Grace Line	New York, N. Y.	Guayaquil, Ecu.	General	..... 372
Armathia	14	16	Greek	G. Nicolaou	Mobile, Ala.	Yokohama, Japan	Scrap iron	..... 6,798
American Robin.	15	16	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	Seattle, Wash.	General	..... 7,075
Trajanus	8	16	Neth.	Royal Neth. S. S. Co.	Newport, Eng.	B'ventura, Col.	General	..... 2,260
Woodcock <sup>10</sup>	12	16	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Pirre <sup>2</sup>	14	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Real <sup>2</sup>	13	15	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	..... 62
Fernelich <sup>2</sup>	15	16	Nor.	Chile Nit. Sales Corp.	Mobile, Ala.	Tocopilla, Chile.	Ballast	.....
Kano Maru <sup>2</sup>	16	16	Jap.	Kokusai Kisen Kaisha	Baltimore, Md.	Tokuyama, Japan	Cotton, oil	..... 7,206
Nuevo Panama <sup>2</sup>	16	16	Pan.	Colombiana Cabotaje.	Cartagena, Col.	Tumaco, Colom.	Salt, gen.	..... 218
Ebba <sup>2</sup>	16	16	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Mount Pera	15	16	Greek	L.I.Mach.&Equip.Co.	Norfolk, Va.	Yawata, Japan	Scrap iron	..... 6,764
Manto <sup>2</sup>	15	16	Neth.	Royal Neth. S. S. Co.	Curacao, N.W.I.	B'ventura, Col.	General	..... 4,468
K. I. Luckenbach.	16	17	Amer.	Luckenbach-Gulf Co.	Chester, Pa.	Seattle, Wash.	General	..... 7,148
Sona <sup>2</sup>	14	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	..... 60
Porto Bello <sup>3</sup>	16	17	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General	..... 3
San Lucas	14	17	Amer.	States S. S. Co.	Norfolk, Va.	Portland, Oreg.	General	..... 3,971
Eskbank <sup>2</sup>	16	17	Brit.	Bank Line, Ltd	Philadelphia, Pa.	Shanghai, China	General	..... 3,258
Cathwood <sup>1</sup>	16	17	Amer.	Union Oil of Calif.	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Kainalu	17	17	Amer.	Matson Nav. Co.	Philadelphia, Pa.	Honolulu, T. H.	General	..... 1,493
Acajutla	10	17	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	..... 367
Axios	17	17	Greek	Mitsui Line	New Orleans, La.	Yawata, Japan	Scrap iron	..... 7,320
Oropesa	16	18	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General	..... 1,877
Southern Prince <sup>2</sup>	17	18	Brit.	Furness, Withy & Co.	New York, N. Y.	Portland, Oreg.	Ballast	.....
Steel Mariner	17	18	Amer.	Isthmian S. S. Lines.	New York, N. Y.	Singapore, St. Set.	General	..... 8,228
Edwin Christenson.	18	18	Amer.	Sudden & Christenson	Baltimore, Md.	Seattle, Wash.	General	..... 3,000
Caledonia <sup>1 2</sup>	18	19	Nor.	Lorentzens Rederi Co.	Corpus Ch'ti, Tex.	Yokohama, Japan	Crude oil	..... 14,416

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>7</sup> Submarine. <sup>10</sup> Mine sweeper. <sup>13</sup> Auxiliary. <sup>14</sup> Gunboat. <sup>15</sup> Wood pulp, general. <sup>16</sup> Tinplate, rope, etc.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Norvik <sup>1</sup> 2	18	19	Pan...	Anglo-Saxon Pet. Co.	New York, N. Y.	California	Ballast	.....
Harpoon	18	18	Amer.	Shepard Line	Albany, N. Y.	Seattle, Wash.	General	5,362
Nevadan	18	18	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	4,204
Sambu <sup>2</sup>	17	...	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
San Pedro <sup>2</sup>	18	...	Amer.	P. E. Ballistero	Gatun, C. Z.	Cristobal, C. Z.	Ballast	.....
Sorates <sup>2</sup>	19	19	Neth.	Chile Nit. Sales Corp.	Curacao, N. W. I.	Tocopilla, Chile.	Ballast	.....
L-53 <sup>5</sup>	5	...	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow barge	.....
Stamos	19	20	Greek	Livanos Co.	New Orleans, La.	Yawata, Japan	Scrap iron	6,764
Port Nicholson	19	20	Brit.	Port Line, Ltd.	Savannah, Ga.	Brisbane, Aust.	General	7,525
Salawati <sup>2</sup>	19	20	Neth.	Silver Java Pac. Line.	New Orleans, La.	S. Francisco, Cal.	Ballast	.....
J. L. Luckenbach	20	20	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	4,298
Santa Barbara <sup>2</sup>	20	21	Amer.	Grace Line	New York, N. Y.	SanAntonio, Chile	General	2,713
Eli <sup>2</sup>	20	20	Nor.	Mitsui & Co.	Baltimore, Md.	Kobe, Japan	Scrap steel	7,200
Wisconsin	19	21	Fr.	French Line	Antwerp, Belg.	Vancouver, B. C.	General	4,103
Yorkmar	20	20	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen	6,571
Collingsworth	20	21	Amer.	U. S. Maritime Com.	Norfolk, Va.	Seattle, Wash.	Ballast	.....
Susan Maersk	21	21	Dan.	Polarus S. S. Co.	Norfolk, Va.	Los Angeles, Cal.	Ballast	.....
Dionysios Stathatos	21	21	Greek.	Long Island Mach. & Equipment Co.	Providence, R. I.	Moji, Japan	Scrap iron	7,306
Colombia <sup>2</sup>	20	22	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	400
Nero <sup>2</sup>	20	22	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	425
Siamese Prince <sup>2</sup>	21	22	Brit.	Prince Line, Ltd.	New York, N. Y.	Osaka, Japan	General	5,791
City of Norfolk	22	22	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General	3,083
City of Kimberley	21	22	Brit.	Ellerman & Bucknall.	New York, N. Y.	Sydney, Aust.	General	3,286
Soly <sup>2</sup>	22	22	Nor.	Mitsubishi Line	Philadelphia, Pa.	Yawata, Japan	Scrap, gen	7,829
Paula	21	22	Dan.	West Coast Line	New York, N. Y.	Valparaiso, Chile.	General	2,159
Peter Kerr	22	22	Amer.	Moore & McCormick.	New York, N. Y.	Vladivostk, Rus.	General	8,002
Utacorr <sup>1</sup>	22	22	Amer.	Union Oil Co. of Cal.	Paulsboro, N. J.	Los Angeles, Cal.	Ballast	.....
Panamán	22	22	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	6,639
Sona <sup>2</sup>	21	22	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Sambu <sup>2</sup>	21	22	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	100
Celina <sup>2</sup>	22	23	Ital	Italia Line	Trieste, Italy	Vancouver, B. C.	General	1,167
Ciss	17	23	Nor.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	611
Grete Maersk <sup>2</sup>	22	23	Dan.	A. P. Moller	Boston, Mass.	Cebu, P. I.	( <sup>15</sup> )	6,189
Far	22	23	Nor.	No. Atlantic & Gulf.	Newport News, Va.	Callao, Peru.	Coal, coke	3,370
Lihue	22	23	Amer.	Matson Nav. Co.	Philadelphia, Pa.	Honolulu, T. H.	General	1,233
Bonneville <sup>2</sup>	22	23	Nor.	Mitsui Line	New York, N. Y.	Kobe, Japan	Steel, gen	7,714
Estrid	22	23	Dan.	Torm S. S. Co.	Barry, England	Vancouver, B. C.	Ballast	.....
Jomar	22	23	Amer.	Lykes Bros. S. S. Co.	New Orleans, La.	Paíta, Peru.	Ballast	.....
Arna <sup>2</sup>	22	23	Nor.	Mitsubishi Shoji K.	New York, N. Y.	Yawata, Japan	Scrap iron	7,217
Comol Rico <sup>1</sup>	22	23	Amer.	Commercial Molasses	New Orleans, La.	Honolulu, T. H.	Ballast	.....
Vigrid <sup>2</sup>	23	23	Nor.	Maersk Line	Newport News, Va.	Japan	General	4,757
Kalani	23	23	Amer.	Isthmian S. S. Lines.	Mobile, Ala.	Seattle, Wash.	General	2,497
Manto <sup>2</sup>	22	23	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Puerto Bolivar.	General	237
Nonsuco <sup>2</sup>	23	24	P. I.	No. Negroes Sugar Co.	Baltimore, Md.	Manila, P. I.	General	6,907
Real <sup>2</sup>	21	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	60
Porto Bello <sup>3</sup>	23	23	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Winslow <sup>5</sup>	22	23	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow barge	.....
Brimanger	23	24	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	.....
Pennsylvania Sun <sup>1</sup> 2	23	24	Amer.	Sun Oil Co.	Chester, Pa.	El Segundo, Cal.	Ballast	.....
Trontolite <sup>1</sup> 2	24	24	Brit	Imperial Oil Co.	Aruba, N.W.I.	B'ventura, Col.	Gasoline	3,788
Kongsgaard <sup>1</sup> 2	24	24	Nor	Petrofina Bruxelles.	Stavanger, Nor.	Talara, Peru.	Ballast	.....
Awazisan Maru <sup>2</sup>	24	24	Jap	Mitsui Line	Philadelphia, Pa.	Moji, Japan	( <sup>15</sup> )	7,807
White Crest	24	25	Brit.	Chile Nit. Sales Corp.	Cardiff, Wales.	Chile	Coal	6,940
San Gabriel	23	24	Amer.	Pacific-Atlantic Co.	Philadelphia, Pa.	Portland, Oreg.	Steel, gen	6,471
H. D. Collier <sup>1</sup>	24	24	Amer.	Standard Oil of Calif.	Providence, R. I.	S. Francisco, Cal.	Ballast	.....
L-41 <sup>5</sup>	23	...	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow barge	.....
Ebba <sup>2</sup>	22	24	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Mussolini <sup>2</sup>	22	24	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Hardanger	23	25	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Seattle, Wash.	Coffee, gen.	5,076
Honolulu	24	25	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Seattle, Wash.	Gen., steel	9,528
Vito <sup>2</sup>	24	25	Nor.	Hasegawa Boeki K.	Boston, Mass.	Japan	Scrap iron	8,248
Polartank <sup>1</sup> 2	24	25	Nor.	Anglo-Saxon Oil Co.	Larvik, Norway	Los Angeles, Cal.	Ballast	.....
Arizona	24	25	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	3,694
Nordhval <sup>2</sup>	25	25	Dan.	Chile Nit. Sales Corp.	Baltimore, Md.	Chile	.....	.....
Caldas <sup>9</sup>	25	...	Colom.	Colombian Govt.	Cartagena, Col.	Balboa, C. Z.	Drydocking	.....
Selma City	25	25	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Haiphong, China.	Steel, gen	5,852
Svealand <sup>2</sup>	25	26	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Tropic Sea <sup>2</sup>	25	25	Nor.	Canadian-Gulf Line.	Botwood, Nfld.	Tacoma, Wash.	Concentrates	8,213
Irene S. Embricos	25	26	Greek.	Chile Nit. Sales Corp.	Norfolk, Va.	Chile	Ballast	.....
Pygmalion <sup>2</sup>	19	25	Neth.	Royal Neth. S. S. Co.	Antwerp, Belg.	Valparaiso, Chile.	General	489
Pire <sup>2</sup>	24	25	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Woodcock <sup>10</sup>	12	...	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
J-74 <sup>5</sup>	...	...	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Nathan <sup>2</sup>	25	...	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>16</sup>	.....	20

<sup>1</sup> Tankship. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>9</sup> Destroyer. <sup>10</sup> Mine sweeper. <sup>14</sup> Automobile parts, general. <sup>15</sup> Lubricating oil, steel, etc. <sup>16</sup> For bananas and return to Cristobal.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Point Salinas.....	25	26	Amer.	Swayne & Hoyt	Corpus Ch'ti, Tex.	Seattle, Wash.	(13)	5,560
Henry D. Whiton	25	26	Amer.	Texas Gulf Sulphur.	Galveston, Tex.	Tacoma, Wash.	Sulphur.....	6,600
City of Lyons.....	25	26	Brit.	Ellerman & Bucknall.	New York, N. Y.	Adelaide, Aust.	General.....	4,983
Liberator.....	25	26	Amer.	Lykes Bros. S. S. Co.	New Orleans, La.	Shanghai, China.	Cotton.....	4,885
Aconecgas <sup>2</sup>	25	26	Chile.	Sud. Amer. de Vapores	New York, N. Y.	Valparaiso, Chile.	General.....	2,887
Skramstad <sup>2</sup>	26	26	Nor.	Fern Line.	Galveston, Tex.	Yokohama, Japan	Phos., cotton	5,463
Lagarto <sup>2</sup>	26	27	Brit.	Pacific Steam Nav.Co.	Liverpool, Eng.	Valparaiso, Chile.	General.....	276
K. G. Meldahl	26	26	Nor.	States Marine Corp.	Corpus Ch'ti, Tex.	Shanghai, China.	Cotton.....	7,000
Telde	26	27	Hond.	United Fruit Co.	New Orleans, La.	La Libertad, Ecu.	General.....	1,826
Amagisan Maru <sup>2</sup>	26	27	Jap.	Mitsui Bussan Kaisha	Galveston, Tex.	Moji, Japan	Cotton, gen.	7,563
Titanian <sup>2</sup>	26	27	Nor.	S. S. Owners Operat'g	Claymont, Del.	Tacoma, Wash.	Ballast	
Robert Luckenbach.	27	27	Amer.	Luckenbach Line.	Boston, Mass.	Tacoma, Wash.	General.....	3,476
Ia	26	27	Greek.	Iwai & Co.	Wilmington, N.C.	Osaka, Japan.	Scrap iron.	6,800
Santa Inez <sup>2</sup>	26	28	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	General.....	2,518
Ogontz	27	27	Amer.	McCormick S. S. Co.	Norfolk, Va.	Portland, Ore.	General.....	5,435
Oklahoman	27	28	Amer.	Chile Exploration Co.	Baltimore, Md.	Chanaral, Chile.	General.....	1,220
President Van Buren.	27	27	Amer.	Amer. President Lines	Boston, Mass.	S. Francisco, Cal.	General.....	6,305
Henderson <sup>8</sup>	26	...	Amer.	U. S. Navy	Norfolk, Va.	S. Francisco, Cal.	General.....	754
Hunter Liggett <sup>8</sup>	27	...	Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	General.....	2,023
Ann Stathatos	27	28	Greek.	American Export Co.	Minatitlan, Mex.	Dairen, China.	Oil, lumber.	4,795
Colombia <sup>2</sup>	26	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	846
California Express. <sup>2</sup>	27	30	Nor.	Fruit Express Line.	Glasgow, Scot.	Los Angeles, Cal.	Ballast	
Michael Livanos.	26	28	Greek.	Mitsui Bussan Kaisha	Houston, Tex.	Yokohama, Japan	Scrap.....	8,292
Saint Gobain <sup>2</sup>	27	29	Swed.	Raffineries de Berre.	Pt. de Bouc, Fr.	Talara, Peru.	Ballast	
Frida	28	28	Dan.	West Coast Line.	New York, N. Y.	Talcahuano, Chile	General.....	2,029
Flevo <sup>2</sup>	28	28	Neth.	Royal Neth. S. S. Co.	Curacao, N.W.I.	B'ventura, Col.	General.....	156
Westmoreland.	28	29	Brit.	Federal Steam Nav.Co.	London, England	New Zealand.	Ballast	
Soma <sup>2</sup>	27	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	27	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Ousebridge.	28	29	Brit.	Anglo-Can. S. S. Co.	So. Shields, Eng.	Vancouver, B. C.	Ballast	
Californian <sup>2</sup>	28	29	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.....	4,271
Kasima Maru	28	29	Jap.	Nippon Yusen Kaisha	Liverpool, Eng.	Kobe, Japan	General.....	6,577
Yamabiko Maru.	28	29	Jap.	Yamashita Kisen K.	Buenos Aires, Arg.	Kobe, Japan	Gasoline, gen	8,520
Drava	28	29	J.-Slav.	Jugoslav. Oceanska Pl.	Norfolk, Va.	Pt. Chicama, Peru	Ballast	
Draco <sup>2</sup>	28	29	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	97
Mary Livanos	28	30	Greek.	Mitsui Shoji Kaisha.	Houston, Tex.	Moji, Japan.	Scrap iron.	8,024
City of Baltimore	29	30	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.....	3,568
S-45 <sup>7</sup>	...	...	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-47 <sup>7</sup>	...	...	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Mallard <sup>10</sup>	...	...	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Ville D'Amiens.	27	30	Fr.	Messageries Marit'es.	Fort de France	Noumea, N. Caled.	General.....	2,349
S-44 <sup>7</sup>	...	...	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-46 <sup>7</sup>	...	...	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Alabama	29	30	Fr.	French Line	Havre, France	Valparaiso, Chile.	General.....	724
Point Arena	29	30	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Gen., steel.	6,388
Victoria	29	30	Greek.	L. J. Mach. & Equip.	Houston, Tex.	Osaka, Japan.	Scrap iron.	7,104
Nero <sup>2</sup>	28	30	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Pto. Bolivar.	General.....	497
Athina Livanos.	29	30	Greek.	L. J. Mach. & Equip.	New York, N. Y.	Yawata, Japan.	Scrap iron.	8,250
Elisabeth Bakke <sup>2</sup>	29	30	Nor.	Knut Knutsen O.A.S.	Dublin, Ireland.	Los Angeles, Cal.	Ballast	
Iselin <sup>1 2</sup>	29	30	Nor.	Chile S. S. Co.	Curacao, N.W.I.	Los Angeles, Cal.	Ballast	
Luna <sup>2</sup>	30	30	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General.....	3
Chateau Thierry <sup>8</sup>	31	...	Amer.	U. S. Army	Brooklyn, N. Y.	Balboa, C. Z.	General.....	719
Sirius	29	1	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	General.....	3,418
Cacique	29	31	Amer.	Grace Line	Cristobal, C. Z.	Guayaquil, Ecu.	General.....	664
Nemours <sup>2</sup>	9-31	31	Fr.	French Line	Cristobal, C. Z.	Guayaquil, Ecu.	General.....	215
Despatch <sup>12</sup>	31	1	Brit.	British Government.	Portsmouth, Eng.	Pacific	Ballast	
Eastern Guide.	30	31	Amer.	Prudential S. S. Corp.	New York, N. Y.	Vladivostk, Rus.	General.....	5,657
Salvador	24	31	Brit.	Pacific Steam Nav.Co.	Cristobal, C. Z.	Champ'ico, Guat.	General.....	169
Potter <sup>2</sup>	30	31	Amer.	Roosevelt S. S. Co.	Philadelphia, Pa.	Adelaide, Aust.	(14)	5,415
Wellington Star <sup>2</sup>	30	1	Brit.	N. Z. Shipping Co.	Liverpool, Eng.	Dunedin, N. Z.	Fruit, gen.	5,189
Greystoke Castle <sup>2</sup>	31	31	Brit.	Jas. Chambers & Co.	New York, N. Y.	Osaka, Japan.	(15)	6,838
Mussolini <sup>2</sup>	29	...	Pan.	H. Obarrio.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Ebba <sup>2</sup>	29	...	Pan.	H. Obarrio.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Fortuna <sup>2</sup>	30	31	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General.....	100
San Pedro <sup>2</sup>	18	...	Pan.	P. E. Ballistero.	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Douro <sup>2</sup>	25	1	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Callao, Peru.	General.....	542
Misoua <sup>1</sup>	31	...	Brit.	Lago Shipping Co.	Aruba, N. W. I.	Balboa, C. Z.	Drydocking.	
Jane Christenson.	31	1	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General.....	2,912
Krossfont <sup>2</sup>	31	1	Nor.	Pechelbronn	Teneriffe, Can. I.	Cabo Bl'co, Peru.	Ballast	
Santos Maru <sup>2</sup>	31	1	Jap.	Osaka Syosen Kaisya	Buenos Aires, Arg.	Yokohama, Japan	(17)	5,230
Morviken <sup>2</sup>	31	1	Nor.	States Marine Corp.	Pt. Arthur, Tex.	Yokohama, Japan	(18)	8,325
Florence Luckenbach.	31	1	Amer.	Luckenbach Line	Houston, Tex.	S. Francisco, Cal.	General.....	5,712
Chilore	30	1	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Nathan <sup>1</sup>	1	...	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	(16)	20

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>7</sup> Submarine. <sup>8</sup> Transport. <sup>10</sup> Mine sweeper. <sup>12</sup> Cruiser. <sup>13</sup> Lumber, pipe, general. <sup>14</sup> Lubricating oil, general, etc. <sup>15</sup> General, scrap steel. <sup>16</sup> For bananas and return to Cristobal. <sup>17</sup> Coffee, cotton, etc. <sup>18</sup> Scrap iron, cotton.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Erria <sup>2</sup>	1	2	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General.	1,331
San Rafael	31	2	Amer.	Quaker Line.	New York, N. Y.	Portland, Oreg.	General.	4,623
Nakone Maru	1	2	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Yokohama, Japan	( <sup>13</sup> )	5,982
Evinos	1	2	Greek	Mitsubishi Shoji K.	Pt. Arthur, Tex.	Yawata, Japan	Scrap iron.	7,580
Istmo	1	2	Pan.	United Fruit Co.	Cartagena, Col.	B'ventura, Col.	General.	738
Missourian <sup>2</sup>	1	2	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	4,394
Silverwalm <sup>2</sup>	1	2	Brit.	Silver Line, Ltd.	Baltimore, Md.	Hongkong, China	General.	2,468
Nagara <sup>2</sup>	1	2	Swed.	Svenska Ostasiatiska	Goth'burg, Swed.	Japan	General.	4,275
Sambu <sup>2</sup>	31	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Armales, R.P.	General.	103
Santa Clara	2	2	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General.	3,204
Rita <sup>1</sup>	2	2	Neth.	Cur. Scheepv. My.	Curacao, N.W.I.	Balboa, C. Z.	Crude oil.	3,726
Vilja <sup>1 2</sup>	3	3	Nor.	Mitsu & Co.	Houston, Tex.	Yokohama, Japan	Crude oil.	9,310
Hulda Maersk <sup>2</sup>	3	3	Dan.	Maersk Line	Boston, Mass.	Bugo, P. I.	Tobacco, gen.	6,125
Conte Grande <sup>2</sup>	1	3	Ital.	Italian Line.	Genoa, Italy	Valparaiso, Chile.	General.	567
Lisbon Maru	3	3	Jap.	Nippon Yusen Kaisha	Rotterdam, Neth.	Kobe, Japan	General.	7,197
Kastor	3	4	Greek	Mitsubishi Shoji K.	New Orleans, La.	Yokohama, Japan	Scrap iron.	9,363
Memphis City	3	4	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,266
Crawford Ellis	3	4	Nor.	United Fruit Co.	New Orleans, La.	Quipos, C. R.	General.	2,002
Syunko Maru	3	4	Jap.	Osaka Shosen Kaisha.	Dakar, Africa	Kobe, Japan	Gasoline	3,333
Aldington Court <sup>2</sup>	3	4	Brit.	Ministry of Supply.	London, England	Brit. Columbia	Ballast	
Adamastos	3	4	Greek	Lemos Lylas	Torreveja, Spain.	Moji, Japan	Salt	9,500
Namakua	3	4	Amer.	Matson Nav. Co.	New York, N. Y.	Honolulu, T. H.	General.	3,894
Katrina Luckenbach.	3	4	Amer.	Luckenbach Line	New Orleans, La.	Seattle, Wash.	General.	7,295
Rangitata <sup>2</sup>	4	5	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	Frozen, gen.	2,255
Karmt <sup>2</sup>	4	4	Nor.	Chile Nit. Sales Corp.	Pensacola, Fla.	W. coast, S. A.	Ballast	
Aliki	3	5	Greek	Hasegawa Boki K.	Newsp't News, Va.	Kamaishi, Japan	Scrap iron.	7,301
Barge No. 15	2	5	Amer.	Panama R.R. S.S. Co.	Cristobal, C. Z.	Balboa, C. Z.	Coal	550
Lobos <sup>2</sup>	2	5	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Colonel, Chile	General.	2,893
Albion Star	2	5	Brit.	Blue Star Line.	Tyne, England.	Comax, B. C.	Ballast	
Colombia <sup>2</sup>	2	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	676
Draco <sup>2</sup>	3	5	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.	516
Mosli <sup>1 2</sup>	3	5	Nor.	Petrolcos Mexicanos.	Tampico, Mexico	Mazatlan, Mex.	( <sup>14</sup> )	12,047
Aagtekerk <sup>2</sup>	4	5	Neth.	Unit ed Netherlands Navigation Co.	St. Vincent, Cape Verde.	S. Francisco, Cal.	Ballast	
Paul Luckenbach.	4	5	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General.	5,100
Notos <sup>2</sup>	2	5	Neth.	Royal Neth. S. S. Co.	Maracaibo, Ven.	Chilean ports.	General.	1,354
Besholt <sup>2</sup>	5	5	Nor.	De la Rama S.S. Co.	New York, N. Y.	Manila, P. I.	General.	5,331
Sona <sup>2</sup>	4	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	4	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Manto <sup>2</sup>	6	6	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	536
Macabi	5	6	Pan.	United Fruit Co.	Boston, Mass.	Quipos, C. R.	( <sup>15</sup> )	3,290
Norvinn <sup>1 2</sup>	5	6	Pan.	Anglo-Saxon Pet. Co.	Curacao, N.W.I.	Los Angeles, Cal.	Ballast	
Oregonian	5	6	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.	3,162
Kenmar	5	6	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,878
Dagbild <sup>1 2</sup>	5	6	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	Tocopilla, Chile.	Fuel oil	13,432
Orangeleaf <sup>1</sup>	6	6	Brit.	Sec. of Admiralty	Jamaica, B.W.I.	Pacific.	( <sup>16</sup> )	5,284
Cradoe <sup>1 2</sup>	6	6	Brit.	British Admiralty	Jamaica, B.W.I.	Pacific.	Ballast	
St. Mihiel <sup>5</sup>	6	6	Amer.	U. S. Army	Portland, Me.	Balboa, C. Z.	Supplies	1,167
Pereira	3	6	Pan.	Grace Line	Cristobal, C. Z.	Champico, Guat.	General.	734
Borgestad <sup>2</sup>	6	6	Nor.	Canadian Transp. Co.	Botwood, Nfld.	Tacoma, Wash.	Copper	6,262
Anna Odland	5	6	Nor.	Continental Grain Co.	Haugesund, Nor.	Portland, Oreg.	Ballast	
Doris	6	6	Greek	Mitsubishi Shoji K.	New York, N. Y.	Osaka, Japan.	Scrap iron.	7,134
Sagittaire <sup>2</sup>	6	6	Fr.	French Line.	Marseille, France	Noumea, N. Caled	General.	621
Luna <sup>2</sup>	6	6	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.	3
Athelqueen <sup>1 2</sup>	6	7	Brit.	United Molasses Co.	Hull, England.	Hawaiian Islands	Ballast	
Kansan	6	7	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General.	4,003
Sydhav <sup>1 2</sup>	5	7	Nor.	Anglo-Saxon Pet. Co.	Curacao, N.W.I.	Valparaiso, Chile.	Fuel oil.	11,527
Pacific Ranger <sup>2</sup>	6	7	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General.	1,070
Herman Frasch.	7	7	Amer.	Union Sulphur Co.	Galveston, Tex.	Tacoma, Wash.	Sulphur	6,550
Mauna Kea	6	7	Amer.	Grace Line	New York, N. Y.	Antof gasta, Chile	General.	3,458
Col. Riche <sup>3</sup>	5	7	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Mussolini <sup>2</sup>	5	7	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Woodcock <sup>1 2</sup>	30	8	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Margrethe Bakke <sup>2</sup>	6	8	Nor.	Knutsen Line	Goth'burg, Swed.	Valparaiso, Chile.	General.	2,334
Hindanger <sup>2</sup>	6	8	Nor.	Intercean S. S. Corp.	Maranhao, Brazil	Los Angeles, Cal.	Babassu nuts	2,339
Segundo <sup>2</sup>	7	8	Nor.	Continental Grain Co.	Rio de Janeiro.	Portland, Oreg.	Ballast	
L. P. St. Clair <sup>1</sup>	6	8	Amer.	Union Oil of Calif.	Cristobal, C. Z.	S. Francisco, Cal.	Ballast	
El Grillo <sup>1</sup>	7	8	Brit.	C. T. Bowring & Co.	Liverpool, Eng.	La Libertad, Ecua.	Ballast	
Fresno Star	7	8	Brit.	Blue Star Line.	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Aquarius	7	8	Amer.	Lykes Bros. S. S. Co.	New Orleans, La.	Manila, P. I.	Cotton, iron.	5,275
Sidney M. Hauptman.	8	8	Amer.	McCormick S. S. Co.	Norfolk, Va.	Seattle, Wash.	General.	8,837
Mosfrud <sup>2</sup>	8	8	Nor.	Martin Mosvold	Savannah, Ga.	Los Angeles, Cal.	Ballast	
Gertrude Kellogg.	8	8	Amer.	Kellogg S. S. Corp.	New York, N. Y.	Seattle, Wash.	Creosote	6,500
Hagan <sup>1</sup>	7	9	Amer.	Shell Oil Co.	Swahren, N. J.	Los Angeles, Cal.	Ballast	
Nagara Maru <sup>2</sup>	8	9	Japan	Nippon Yusen Kaisha	Boston, Mass.	Kobe, Japan	( <sup>13</sup> )	7,814
Chickasaw City	8	9	Amer.	Isthmian S. S. Lines.	Portland, Me.	Vancouver, B. C.	Steel, gen.	7,921

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Launch. <sup>4</sup> Transport. <sup>5</sup> Mine sweeper. <sup>6</sup> Cruiser. <sup>7</sup> Lubricating oil, general, etc. <sup>8</sup> Diesel oil, gasoline, etc. <sup>9</sup> Pipes, cement, etc. <sup>10</sup> Fuel oil, stores.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Boris	8	9	Greek.	Chile Nit. Sales Corp.	Baltimore, Md.	Iquique, Chile	Ballast	.....
O-20	6	9	Neth.	The Netherlands	Curacao, N.W.I.	Honolulu, T. H.	Ballast	.....
Recina	8	9	J-Slav.	L. I. Mach. & Equip.	New York, N. Y.	Yokohama, Japan	Scrap iron	7,523
Losmar	8	9	Amer.	Calmar Line	Baltimore, Md.	Tacoma, Wash.	Wire	855
Copiapo	9	9	Chile	Cia. Sud Amer. de Vap.	New York, N. Y.	Valparaiso, Chile.	General	1,594
Vojvoda Putnik	9	9	J-Slav.	Chile Nit. Sales Corp.	Newport, Eng.	Chile	Ballast	.....
Stemmesstad	9	9	Nor.	Fern Line	Tampa, Fla.	Yokohama, Japan	General	3,532
Timber Rush	9	9	Amer.	Shepard Line	Albany, N. Y.	Tacoma, Wash.	General	5,163
Ebba	4	9	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Nitsa	9	10	Greek.	Rethymjn & Kuluk's.	Savannah, Ga.	Yawata, Japan	Scrap iron	6,513
Orotava	9	10	Hond.	United Fruit Co.	New Orleans, La.	La Union, Salv.	Cement, gen.	1,988
Neosho	8	10	Amer.	U. S. Navy	Norfolk, Va.	Balboa, C. Z.	Oil	.....
Dardanus	9	10	Brit.	Alfred Holt & Co.	Philadelphia, Pa.	Shanghai, China	General	2,962
Tamesis	9	10	Nor.	Barber Line	Trangsumd, Fin.	Shanghai, China	General	8,245
Olivebank	9	10	Brit.	Texas Oil Co.	Tampico, Mexico	Adelaide, Aust.	General	8,387
Texan	9	10	Amer.	Amer.-Hawaian Line.	Boston, Mass.	Portland, Oreg.	General	4,022
Port Halifax	10	10	Brit.	M. A. N. Z. Line.	Montreal, Canada	Dunedin, N. Z.	General	5,567
Absaroka	10	10	Amer.	McCormick S. S. Co.	Baltimore, Md.	Seattle, Wash.	General	4,609
Middlesex	10	11	Brit.	Fed. Steam Nav. Co.	Falmouth, Eng.	New Zealand	Ballast	.....
Toto Maru	10	11	Jap.	Nippon Yusen Kaisha	Liverpool, Eng.	Dairen, China	Potash, gen.	7,915
Santa Maria	10	11	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile.	General	2,813
Petros J. Goulandris.	10	11	Greek.	Mitsubishi Shoji K.	Norfolk, Va.	Yokohama, Japan	Scrap iron	6,329
Col. Riche	7	11	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge	.....

PACIFIC TO ATLANTIC

Trontolite	10	12	Brit.	Imperial Oil Co.	Talara, Peru	Aruba, N. W. I.	Gas oil	8,983
Nemea	10	12	Greek.	Canadian Transp. Co.	Seattle, Wash.	Hull, England	General	7,450
Herborg	10	11	Nor.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N.W.I.	Gas oil	11,808
Antietam	11	11	Amer.	Shell Oil Co.	Los Angeles, Cal.	New York, N. Y.	Fuel oil	10,287
Canadian Star	10	12	Brit.	Blue Star Line	N. Westm'er, B.C.	Newcastle, Eng.	Fruit, gen.	8,612
Kansai Maru	10	12	Jap.	Osaka Syosen Kaisya.	Manila, P. I.	Baltimore, Md.	(14)	6,906
Sally Maersk	11	12	Dan.	Isbrandtsen-Moller.	Chicama, Peru	Philadelphia, Pa.	Sugar	4,695
Woodcock	12	15	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Chilore	12	12	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,700
Annie Johnson	11	13	Swed.	Johnson Line	Vancouver, B. C.	Goth'burg, Swed.	General	6,284
Maria Stathatos.	12	12	Greek.	Stathatos & Co.	Astoria, Oreg.	Houston, Tex.	Ballast	.....
Draco	12	14	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(15)	214
Pacific Pioneer	12	14	Brit.	Furness, Withy & Co.	Vancouver, B. C.	London, England	Fruit, gen.	8,677
City of Baltimore	12	15	Amer.	Panama-Pacifie Line.	S. Francisco, Cal.	New York, N. Y.	General	6,049
S-15	12	15	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Lieut. Col. H. C. Schumm	12	15	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge	.....
El Mirlo	12	13	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru.	Ellesmere, Eng.	(16)	10,999
Point Brava	12	13	Amer.	Swayne & Hoyt	Portland, Oreg.	Mobile, Ala.	Lumber, gen.	6,133
North Wind	12	13	Amer.	Norland Trans. Co.	Seattle, Wash.	New York, N. Y.	Salmon, gen.	2,735
Point Estero	12	13	Amer.	Calmar Line	Newport, Oreg.	Po'keepsie, N. Y.	Lumber	5,620
Racer	12	17	Hond.	Pacifie R. R. Co.	Corinto, Nic.	Belize, Br. Hond.	Ballast	.....
Columbia	12	15	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	895
Mussoli	13	14	Pan.	E. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	70
Laila	13	13	Dan.	Wessel, Duval & Co.	San Antonio, Chile	New York, N. Y.	General	2,660
West Nilus	13	13	Amer.	McCormick S. S. Co.	Townsend, Wash.	Philadelphia, Pa.	Lumber, gen.	8,063
S-47	13	13	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Telde	13	14	Hond.	United Fruit Co.	Quipos, C. R.	New Orleans, La.	Bullion, gen.	21
S-46	13	15	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Real	13	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Porto Bello	13	13	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(17)	23
Mallard	13	13	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Nokihana	13	13	Amer.	Matson Nav. Co.	Nawilliwili, T. H.	Baltimore, Md.	Sugar, fruit	10,071
Istmo	12	14	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	(18)	172
Cities Service Denver	13	14	Amer.	Pan Amer. Pet. Corp.	Pt. Petrol. Calif.	Baltimore, Md.	Crude oil	13,834
Republic	13	15	Amer.	U. S. Army	Honolulu, T. H.	New York, N. Y.	General	974
Arlea	13	15	Fr.	French Line	Valparaiso, Chile.	Havre, France	Copper, gen.	7,007
S-44	14	15	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Virginian	13	14	Amer.	Amer.-Hawaian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	10,229
Columbian	13	14	Amer.	Amer.-Hawaian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	6,464
Kailua	13	14	Amer.	Amer.-Hawaian Line.	S. Francisco, Cal.	Boston, Mass.	Ref. sugar	6,972
Harry Luckenbach	14	14	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	10,888
Pirre	14	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	48
Sona	14	16	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
San Antonio	14	16	Fr.	French Line	Vancouver, B. C.	Havre, France	General	6,432
Vinland	13	15	Nor.	Knutson Line	Valparaiso, Chile.	Oslo, Norway	General	6,434
Amerika	15	15	Dan.	East Asiatic Co.	Grays Harbor	Copenhagen, Den	General	8,640
Fella	13	17	Ital.	Italian Line	Vancouver, B. C.	Trieste, Italy	General	6,570

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>7</sup> Submarine. <sup>8</sup> Transport. <sup>14</sup> Sugar, silk, general. <sup>15</sup> Wood, coffee, hides. <sup>16</sup> Crude oil, casinghead gasoline. <sup>17</sup> Plantains, lumber. <sup>18</sup> Coffee, ivory nuts.

## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Rangitane <sup>2</sup>	14	16	Brit.	N. Z. Shipping Co.	Auckland, N. Z.	United Kingdom.	Frozen, gen.	6,445
Cadmus	15	16	Nor.	United Fruit Co.	Puntarenas, C. R.	Galveston, Tex.	Ballast	
Sanyo Maru <sup>2</sup>	15	16	Jap.	Osaka Yusen Kaisya.	Dairen, China	Antwerp, Belgium	(14)	6,779
Azuma Maru <sup>2</sup>	15	16	Jap.	Nippon Yusen Kaisha	Yokohama, Japan	Rotterdam, Neth.	General.	9,019
Helen <sup>5</sup>	15		Amer.	C. D. Hummer	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Connecticut <sup>1</sup>	15	16	Amer.	The Texas Co.	Pt. S. Luis, Calif.	Pt. Arthur, Tex.	Gasoline	9,723
Pennsylvanian	16	16	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	7,528
Douro <sup>2</sup>	16	18	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Belize, Br. Hond.	Coffee, hides	335
Navarino	16	17	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Cardiff, Wales	Lumber	8,014
Yamaura Maru	16	17	Jap.	Yamashita K. Kaisha	Manila, P. I.	Buenos Aires, Arg.	Silk, gen.	7,928
Santa Clara	16	17	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	Copper, gen.	5,136
Tropic Star <sup>2</sup>	16	16	Nor.	Chile Nit. Sales Corp.	Britannia, B. C.	Claymont, Del.	Pyrites, ore.	8,150
Kentucky	16	17	Amer.	States S. S. Co.	Portland, Oreg.	Baltimore, Md.	Lumber	7,313
Bradford City <sup>2</sup>	16	18	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	London, England	Grain, lum.	8,656
Sage Brush	16	17	Amer.	Shepard S. S. Co.	Pt. Angeles, Wash.	Boston, Mass.	Lumber, gen.	7,824
Ciss.	17	23	Nor.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General.	172
Point Judith	17	17	Amer.	Wayne & Hoyt	S. Francisco, Cal.	Tampa, Fla.	General.	6,775
Harlingen	15	19	Brit.	Seaboard Ship. Co.	Englewood, B. C.	Philadelphia, Pa.	Lumber.	7,712
West Ivis	17	17	Amer.	McCormick S. S. Co.	N. Westminster, B.C.	Buenos Aires, Arg.	Lumber, gen.	9,002
Sambu <sup>2</sup>	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	50
Moshi <sup>1 2</sup>	24	18	Nor.	Petroleos Mexicano	Guaymas, Mexico	Tampico, Mexico	Ballast	
Losada <sup>2</sup>	17	18	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Liverpool, Eng.	Tin, ore, gen.	7,949
California	17	18	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,670
F. J. Luckenbach	18	18	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	8,233
Uranienborg	18	18	Dan.	Canadian Transp. Co.	Portland, Oreg.	St. Johns, N. B.	(15)	4,921
Kongo Maru <sup>2</sup>	18	19	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	Quebec, Canada	(16)	9,428
Flomar	18	18	Amer.	Calmar Line	Seattle, Wash.	Philadelphia, Pa.	(17)	7,655
Arthur F. Corwin <sup>1</sup>	18	19	Brit.	Standard Oil of N. J.	Los Angeles, Cal.	Baton Rouge <sup>13</sup>	Ballast	
Malay <sup>2</sup>	18	19	Amer.	Shell Oil Co.	Los Angeles, Cal.	Bayonne, N. J.	Fuel oil.	11,519
Tattnall <sup>9</sup>	19		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Copapo <sup>2</sup>	19	19	Chile.	Cia. Sud Amer. de Vap.	Talcahuano, Chile	New York, N. Y.	(18)	5,138
Hagan <sup>1</sup>	19	19	Amer.	Shell Oil Co.	S. Francisco, Cal.	Sewaren, N. J.	(19)	9,335
Gregalia	18	20	Brit.	Donaldson Line	Vancouver, B. C.	Glasgow, Scotland	General.	6,812
Utahan	18	19	Amer.	Amer.-Hawaiian Line.	S. Francisco, Cal.	Baltimore, Md.	General.	8,184
Lancaster	18	19	Amer.	Weyerhaeuser S.S. Co.	Everett, Wash.	Baltimore, Md.	Lumber, gen.	8,737
Minnesota	18	19	Amer.	Amer.-Hawaiian Line.	Tacoma, Wash.	Boston, Mass.	General.	7,207
Kohala	19	19	Amer.	Matson Nav. Co.	Honolulu, T. H.	New York, N. Y.	Sugar, canec.	7,115
Akiura Maru <sup>2</sup>	18	20	Jap.	Mitsubishi Shoji K.	Kamchatka, Rus.	London, England	Canned fish.	8,798
Steel Worker	19	20	Amer.	Isthmian S. S. Lines.	Honolulu, T. H.	Baltimore, Md.	(20)	8,553
Eastern Trader	19	20	Amer.	Turner Lumber Co.	Portland, Oreg.	New York, N. Y.	Lumber.	6,992
Nero <sup>2</sup>	19	22	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Tagua, gen.	266
Wildwood	19	20	Amer.	Puget Sd. Asso. Mills.	Everett, Wash.	New York, N. Y.	Lumber.	7,100
Colombia <sup>2</sup>	20	22	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	1,163
Montanan	19	20	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	6,892
Lara	20	21	Amer.	Grace Line	Paiza, Peru	New York, N. Y.	(21)	3,591
Somersby	20	21	Brit.	Anglo-Can. S. S. Co.	Victoria, B. C.	London, England	(22)	8,200
Porto Bello <sup>2</sup>	20	20	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(23)	2
Remuera	20	21	Brit.	N. Z. Shipping Co.	Pt. Chalmers, N.Z.	London, England	Frozen, gen.	5,260
Cressington Court	19	21	Brit.	Seaboard Ship. Co.	N. Westminster, B.C.	United Kingdom.	Lead, lum.	8,100
Berganger <sup>2</sup>	20	21	Nor.	Int'rocean S. S. Corp.	Portland, Oreg.	Rotterdam, Neth.	(15)	8,525
Sagadahoe	20	21	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Avonmouth, Eng.	General.	8,107
Capella	21		Amer.	U. S. Navy	Seattle, Wash.	Norfolk, Va.	General.	2,502
Baehaquero <sup>1</sup>	14	21	Brit.	Standard Oil of N. J.	Balboa, C. Z.	Aruba, N. W. I.	Ballast	
Lexa Maersk <sup>2</sup>	20	22	Dan.	Maersk Line	Cebu, P. I.	Savannah, Ga.	General.	7,372
Horace Luckenbach	21	22	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General.	7,554
Sambu <sup>2</sup>	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	58
Sona <sup>2</sup>	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Real <sup>2</sup>	21	23	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Hoppeak <sup>2</sup>	21	22	Brit.	Anglo-Can. S. S. Co.	S. Francisco, Cal.	London, England	(23)	8,733
Benvorlieh	21	23	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	London, England	Lum., wheat	6,745
Queen Victoria <sup>2</sup>	22	22	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	United Kingdom.	Lumber, gen.	8,200
San Vineente	22	22	Amer.	Pac.-Atl. S. S. Co.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	7,969
Mussolini <sup>2</sup>	22	24	Pan.	H. Obarrío	Darien, R. P.	Cristobal, C. Z.	Bananas	80
Sea Thrush	22	23	Amer.	Grace Line	Antofagasta, Chile	New York, N. Y.	(24)	5,069
Ebba <sup>2</sup>	22	24	Pan.	H. Obarrío	Darien, R. P.	Cristobal, C. Z.	Bananas	55
Karmt <sup>2</sup>	22	22	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Pensacola, Fla.	Nitrate	8,880
Manto <sup>2</sup>	22	23	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Skins, coffee.	295
Prince Rupert City	22	23	Brit.	Reardon-Smith Line.	Loilo, P. I.	New Orleans, La.	Sugar	8,000
Bradlyne	22	24	Brit.	Dingwall Cotts	Vancouver, B. C.	United Kingdom.	Grain, lum.	8,250
Kinross <sup>2</sup>	22	24	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	United Kingdom.	Grain, lum.	8,350
American	22	23	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	7,277
Charles Christenson	22	23	Amer.	Arrow Line	So. Bend, Wash.	Baltimore, Md.	Lumber.	7,000
Axel Johnson <sup>2</sup>	23	25	Swed.	Johnson Line	Everett, Wash.	Stockholm, Swed.	Copper, gen.	5,915

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>5</sup> Launch. <sup>9</sup> Destroyer.<sup>13</sup> For orders. <sup>14</sup> Oil, borax, beans, meal, general.<sup>15</sup> Lumber, grain, general. <sup>16</sup> Rubber, tin, silk, general. <sup>17</sup> Lumber, steel pins. <sup>18</sup> Copper, sugar, general.<sup>19</sup> Gasoline, kerosene. <sup>20</sup> Raw sugar, canned pineapples, canec. <sup>21</sup> Sugar, coffee, general. <sup>22</sup> Plantains, lumber.<sup>23</sup> Barley, lumber, general. <sup>24</sup> Copper, coffee, general.

## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Arima Maru 2	23	25	Jap.	Nippon Yusen Kaisya	Shanghai, China	Baltimore, Md.	General	5,221
Sawokla 2	23	26	Amer.	Roosevelt S. S. Co.	Hongkong, China	New York, N. Y.	General	7,428
Primero 2	23	24	Nor.	S.S. Owners Oper. Co.	Britannia, B. C.	Claymont, Del.	Pyrites, conc.	7,570
L-41 5	23	25	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Woodcock 14	24	25	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Salvador	23	31	Brit.	Pacific Steam Nav. Co.	Champ'co, Guat.	Cristobal, C. Z.	Coffee, gen.	121
Nicolaos D. L.	23	24	Greek	Anglo-Can. S. S. Co.	Portland, Oreg.	London, England	Wheat, lum.	6,484
Orminster	23	25	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	New Orleans, La.	Nitrate	8,231
Pirre 2	23	25	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	42
Azumasun Maru 2	23	25	Jap.	Mitsui Bussan Kaisha	Manila, P. I.	Boston, Mass.	General	5,702
Devon City 2	24	25	Brit.	Anglo-Can. S. S. Co.	Tacoma, Wash.	Liverpool, Eng.	Gen. lumber	8,800
Maranon 2	24	26	Peruv.	Cia Peruana de Vap.	Callao, Peru.	Iquitos, Peru.	General	2,135
Tasmania 2	24	25	Dan.	Kawasaki K. Kaisha	Pt. Redon, F.I.C.	Boston, Mass.	General	5,788
Mexican	25	25	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	10,757
Santa Maria 2	25	26	Amer.	Grace Line	Valparaiso, Chile	New York, N. Y.	General	4,565
Bethore	26	26	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,300
City of Newport News	25	26	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	6,717
Nieto de Larrinaga.1	25	27	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Montreal, Canada	Lumber, gen.	7,868
Nuevo Panama 2	25	27	Pan.	Cia Colom. Cabotaje.	B'ventura, Col.	Cristobal, C. Z.	Coffee	218
Atlantic	26	27	Amer.	Isthmian S. S. Lines.	Portland, Oreg.	Baltimore, Md.	General	7,762
Colombia 2	26	28	Pan.	United Fruit Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	1,030
Star of Suez	26	26	Egypt.	Chile Nit. Sales Corp.	Tocopilla, Chile	Gibraltar 13	Nitrate	7,564
Sofie Bakke 2	26	28	Nor.	Knut Knutsen O.A.S. U. S. Army	Portland, Oreg.	Habana, Cuba.	General	6,020
Tai Ping Yang 2	26	28	Nor.	Barber-Wilhelmsen	Davao, P. I.	New York, N. Y.	General	7,424
Atlantic	26	29	Neth.	Isthmian S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	543
Orotava	26	28	Hond.	United Fruit Co.	Puntarenas, C. R.	New Orleans, La.	(15)	450
West Notus	26	27	Amer.	McCormick S. S. Co.	Tacoma, Wash.	Albany, N. Y.	Lumber, gen.	8,266
Oakmar	27	27	Amer.	Calmar Line	Tacoma, Wash.	Baltimore, Md.	Lumber	5,645
Spencer Kellogg 1	27	27	Amer.	Kellogg S. S. Corp.	Manila, P. I.	New York, N. Y.	Coconut oil	6,721
Porto Bello 2	27	27	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(16)	2
Real 2	27	28	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	33
Sona 2	27	28	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Sinnington Court	27	28	Brit.	Canadian Transp. Co.	N. Westminster, B.C.	United Kingdom	Lum., conc.	10,000
Lebore	28	28	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,300
Norvinn 1 2	28	28	Pan.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N.W.I.	Gas oil	9,914
Orangeleaf 1	27	28	Brit.	British Admiralty	Valparaiso, Chile	Caribbean Sea.	Fuel oil	442
Alamar	27	28	Amer.	Calmar Line	Seattle, Wash.	Baltimore, Md.	Lumber	7,358
Nero 2	28	30	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	444
Jacob Luckenbach	27	28	Amer.	Luckenbach Line	Seattle, Wash.	Philadelphia, Pa.	General	8,211
Alabaman	28	28	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	Gen. lumber	8,760
Kaizyo Maru 1 2	28	29	Jap.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N.W.I.	Gas oil	11,789
D. G. Scofield 1	28	29	Amer.	Shell Oil Co.	Los Angeles, Cal.	Bayonne, N. J.	Fuel oil	10,255
Heina 2	28	29	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Savannah, Ga.	Nitrate	7,513
Mussolini 2	29	31	Pan.	E. Obarrío	Darien, R. P.	Cristobal, C. Z.	Bananas	70
Leonidas M.	28	30	Greek	Chile Nit. Sales Corp.	Iquique, Chile	Panama City, Fla.	Nitrate	7,670
Ebba 2	28	31	Pan.	H. Obarrío	El Real, R. P.	Cristobal, C. Z.	Bananas	45
Coloradan	28	29	Amer.	Amer.-Hawaiian Line	S. Francisco, Cal.	Baltimore, Md.	Potash, gen.	9,191
Mau	28	29	Amer.	Baltimore Mail Co.	S. Francisco, Cal.	Baltimore, Md.	General	6,403
Dorothy Luckenbach	28	29	Amer.	Luckenbach Line	S. Francisco, Cal.	Boston, Mass.	General	9,646
Cacico	29	31	Amer.	Grace Line	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, hides	221
Winnipeg	29	31	Fr.	Cie. France Nav.	Valparaiso, Chile	Havre, France	General	6,403
Lodestone	29	31	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	Azores 13	Nitrate	8,540
Point Bonita	29	30	Amer.	Swayne & Hoyt	Seattle, Wash.	Panama City, Fla.	General	7,589
Hunter Liggett 8	28	30	Amer.	U. S. Army	Balboa, C. Z.	Brooklyn, N. Y.	Supplies	
Launch	29	29	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Santa Rita 2	30	31	Amer.	Grace Line	Chanaral, Chile	New York, N. Y.	General	3,326
Woodcock 4	30	7	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Amerikaland 2	30	31	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	New York, N. Y.	Iron ore	21,700
Kunikawa Maru 2	30	31	Jap.	Kawasaki K. Kaisha	Keelung, China	New Orleans, La.	General	5,578
Disa	30	4	Swed.	Sigfried Olsen	St. Helens, Oreg.	Maracaibo, Ven.	Pilings, lum.	2,748
Waimea	30	31	Amer.	Matson Nav. Co.	Honolulu, T. H.	Baltimore, Md.	(17)	7,374
Mayari	30	31	Pan.	United Fruit Co.	Pto. Arm'ns, R.P.	Boston, Mass.	Ballast	
Helga	31	1	Dan.	J. Lauritzen	Valparaiso, Chile	New York, N. Y.	General	2,744
Ordana	31	1	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	United Kingdom	(18)	6,694
Sambu 2	31	2	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	60
Komaki Maru 2	30	31	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	Galveston, Tex.	(19)	10,919
Montebello 1	31	1	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,796
Lochmonar 2	31	3	Brit.	Royal Mail Lines	Victoria, B. C.	London, England	Refrig., gen.	9,686
Nicolaos Zografias	31	1	Greek	General S. S. Corp.	Pt. Alberti, B. C.	London, England	(20)	10,968
Port Saint John 2	31	2	Brit.	M. A. N. Z. Line	Melbourne, Aust.	Montreal, Canada	General	7,284
Nordstjernan 2	31	2	Swed.	Johnson Line	S. Francisco, Cal.	Goth'burg, Swed.	Fruit, gen.	5,844
City of Los Angeles	1	2	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	6,817

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>8</sup> Transport. <sup>13</sup> For orders. <sup>14</sup> Gunboat. <sup>15</sup> Bananas, bulion. <sup>16</sup> Plantains, lumber. <sup>17</sup> Sugar, canned pineapples. <sup>18</sup> Tin, copper, general. <sup>19</sup> Sugar, tea, silk, general. <sup>20</sup> Lumber, wheat, barley.

## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Mirrabooka <sup>2</sup>	31	1	Swed.	Transpacific S. S. Co.	Bowen, Australia	St. Johns, N. B.	Sugar	8,530
Hanley	31	1	Amer.	Weyerhaeuser S.S.Co.	Seattle, Wash.	Newark, N. J.	Lumber, gen.	9,377
Chateau Thierry <sup>3</sup>	31	3	Amer.	U. S. Army	Balboa, C. Z.	Brooklyn, N. Y.	General	719
Toyohasi Maru	1	3	Jap.	Nippon Yusen Kaisha	Seishin, Korea.	New Orleans, La.	Fishmeal, gen.	3,901
Kongsgaard <sup>1 2</sup>	1	2	Nor.	Petrofina, Bruxelles	Talara, Peru	Dunkerque, Fr.	Crude oil	14,276
Norlys <sup>1 2</sup>	2	2	Pan.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N.W.I.	Kerosene dis.	13,888
Georgian	1	2	Amer.	Amer.-Hawaiian Line.	Tacoma, Wash.	Boston, Mass.	Lumber, gen.	8,871
Colombia <sup>2</sup>	2	5	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	1,215
Corrientes	1	2	Brit.	Donaldson Line.	Vancouver, B. C.	Glasgow, Scotland	Fruit, gen.	5,811
Beckenham	1	3	Brit.	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	Grangem'th, Scot.	Timber, lead	8,530
Eleni	2	2	Greek.	Seaboard Ship. Co.	Hull, England	Baltimore, Md.	Wheat, lum.	7,808
Astoria <sup>2</sup>	2	3	Dan.	S. S. Owners Operat.	Britannia, B. C.	Claymont, Del.	Pyrites	7,980
Draco <sup>2</sup>	2	5	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	538
Santore	2	3	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,300
Manto <sup>2</sup>	2	6	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	General	376
Pereira	2	6	Pan.	Grace Line.	Champico, Guat.	Cristobal, C. Z.	Coffee, gen.	247
Fernhill	3	3	Nor.	Fern Line	Sabang, P. I.	Philadelphia, Pa.	(13) 7,100	
Illinoian	3	3	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	8,422
Prusa	3	4	Pan.	Grace Line.	Valparaiso, Chile.	New York, N. Y.	Copper, gen.	7,569
Susan V. Luckenbach	3	3	Amer.	Luckenbach Line	Olympia, Wash.	Boston, Mass.	Lumber, gen.	8,547
Luna	2	3	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Plantains	8
Fordsdale	3	6	Brit.	Shaw, Savill & Albion	Lyttelton, N. Z.	London, England	Frozen, gen.	5,024
Marore	4	4	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Olney <sup>1</sup>	4	4	Amer.	Shell Oil Co.	Los Angeles, Cal.	P. Amboy, N. J.	(14) 9,639	
Kentuckian	3	4	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	6,400
Caledonian Monarch	3	5	Brit.	Bank Line, Ltd.	Mackay, Aust lia	Montreal, Canada	Sugar	8,050
Ebba <sup>2</sup>	4	5	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	63
Socrates <sup>2</sup>	3	5	Neth.	Chile Nit. Sales Corp.	Iquique, Chile	Guilport, Miss.	Nitrate	4,538
Belpareil <sup>2</sup>	4	4	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Wilmington, N.C.	Nitrate	10,032
Real <sup>2</sup>	4	5	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	39
Sona <sup>2</sup>	4	5	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Rita <sup>1</sup>	3	5	Neth.	Cur. Scheepv. My.	Balboa, C. Z.	Curacao, N.W.I.	Ballast	
West Madaket	4	5	Amer.	Suddon & Christenson	Portland, Oreg.	Baltimore, Md.	Lumber	6,753
Darlington Court <sup>2</sup>	4	5	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	London, England	Lead, lum.	8,500
Jefferson Myers	4	5	Amer.	States S. S. Co.	Portland, Oreg.	Philadelphia, Pa.	(12) 10,209	
Musulini <sup>2</sup>	5	7	Pan.	E. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	80
Virgilio <sup>2</sup>	5	6	Ital.	Italian Line.	Valparaiso, Chile.	Genoa, Italy	Copper, gen.	3,142
Chipana	4	5	Amer.	Grace Line	Callao, Peru.	New York, N. Y.	Sugar, conc.	4,560
Elevo <sup>2</sup>	4	8	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	(16) 375	
Eleni Stathatos.	4	9	Greek.	Canadian Transp. Co.	Vancouver, B. C.	Plymouth, Eng.	Wheat, lum.	7,320
L. P. St. Clair <sup>1</sup>	4	8	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Cristobal, C. Z.	Gas., keros.	4,634
Steele	6	6	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,500
Anna Maersk <sup>2</sup>	4	8	Dan.	A. P. Moller	Manila, P. I.	Baltimore, Md.	(17) 6,920	
Blairolva	4	7	Brit.	Canadian Ship. Co.	N. Westm'er, B.C.	Hull, England	Lead, lum.	8,400
Pacific President <sup>2</sup>	5	7	Brit.	Furness, Withy & Co.	S. Francisco, Cal.	London, England	General	8,695
San Bernardino	5	7	Amer.	Pac.-Atl. S. S. Co.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	8,485
Harberton	5	7	Brit.	Dante & Russel.	Vancouver, B. C.	Hull, England	Sawn lumber	6,616
Jomar	5	7	Amer.	Lykes Bros. S. S. Co.	Paita, Peru	New Orleans, La.	(18) 3,555	
Knute Nelson <sup>2</sup>	5	7	Nor.	Fred Olsen & Co.	Seattle, Wash.	Oslo, Norway	General	7,078
Indianan	5	7	Amer.	Chile Exploration Co.	Antof gasta, Chile	New York, N. Y.	Copper	7,625
Hollywood	5	7	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	8,407
Saint Gobain <sup>1 2</sup>	6	7	Swed.	Raffineries de Berre	Talara, Peru	Pt. de Bouc, Fr.	Crude oil	14,297
Trontolite <sup>1 2</sup>	5	7	Brit.	Imperial Oil Ship. Co.	Talara, Peru	Montreal, Canada	Gasoline	7,400
W. S. Miller <sup>1</sup>	6	7	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Baltimore, Md.	Furnace oil.	9,615
San Francisco	6	8	Fr.	French Line.	Vancouver, B. C.	Havre, France	General	6,859
Lwa	6	7	Amer.	Matson Nav. Co.	Kahului, T. H.	Baltimore, Md.	(19) 8,980	
Acajutla	6	6	Brit.	Pacific Steam Nav. Co.	Champ'cio, Guat.	Cristobal, C. Z.	General	8,871
Nyborn <sup>2</sup>	6	8	Nor.	Knutson Line.	Portland, Oreg.	Dublin, Ireland	General	6,846
Fortuna <sup>2</sup>	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	7,60
Moldanger <sup>2</sup>	6	8	Nor.	Interocean S. S. Co.	Seattle, Wash.	Antwerp, Belgium	General	7,585
Rimutaka	6	8	Brit.	N. Z. Shipping Co.	Lyttelton, N. Z.	London, England	Frozen, gen.	5,223
Alaskan	6	8	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	6,842
Pennsylvania	6	8	Amer.	Weyerhaeuser S.S.Co.	S. Francisco, Cal.	Philadelphia, Pa.	(20) 7,930	
Wind Rush	6	8	Amer.	Shepard S. S. Co.	Tacoma, Wash.	Boston, Mass.	Lumber, gen.	7,858
Atlanta City	7	8	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Chester, Pa.	General	8,334
American Oriole	7	8	Amer.	Puget Sound Mills.	Pt. Angeles, Wash.	Philadelphia, Pa.	Lumber	7,550
Fernelif <sup>2</sup>	7	8	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	New Orleans, La.	Nitrate	7,775
Norman Star	7	8	Brit.	Blue Star Line.	S. Francisco, Cal.	Buenos Aires, Arg.	Refrig., gen.	4,467
Ancon	8-8	8	Amer.	Panama R.R. S.S. Co.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Gemstone	7	8	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Liverpool, Eng.	Pulp, lumber	7,566
Tennessee	7	8	Amer.	Amer.-Hawaiian Line.	S. Francisco, Cal.	Baltimore, Md.	General	7,275
Castana	7	9	Amer.	Commer. Mollasses.	Nawiliwili, T. H.	Philadelphia, Pa.	Molasses	7,129
Chincha	8	9	Amer.	Isthmian S. S. Lines.	Honolulu, T. H.	Baltimore, Md.	Sugar, pines.	8,542
Santa Lucia	8	9	Amer.	Grace Line.	San Antonio, Chile	New York, N. Y.	General	5,186
Dakotan	8	8	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	7,238

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Transport. <sup>4</sup> Iron ore, sugar. <sup>5</sup> Naphtha, kerosene, solvent. <sup>6</sup> Lumber, pulp, general. <sup>7</sup> Coffee, hides, wood. <sup>8</sup> Coconut oil, sugar, general. <sup>9</sup> Sugar, copra, general. <sup>10</sup> Sugar, canned pineapples, general. <sup>11</sup> Lumber, canned goods.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Eso Copenhagen.	8	9	Pan.	Standard Oil Co. ....	Talara, Peru . . . .	Aruba, N. W. I. . . .	(12)	14,401
City of San Francisco.	8	10	Amer.	Panama-Pacific Line..	S. Francisco, Cal.	New York, N. Y.	General. . . . .	6,597
Tosan Maru . . . .	8	10	Jap.	Osaka Syosen Kaisya.	Manila, P. I. . . . .	Baltimore, Md. . . .	Gen., sugar. . . .	7,190
Calmar . . . . .	8	9	Amer.	Calmar Line . . . . .	So. Bend, Wash. . .	Baltimore, Md. . . .	Copper, lum. . . .	6,700
St. Mihiel <sup>8</sup> . . . .	6	9	Amer.	U. S. Army . . . . .	Balboa, C. Z. . . . .	Brooklyn, N. Y. . . .	General. . . . .	1,164
Drossonn <sup>1</sup> <sup>2</sup> . . . .	9	9	Nor.	Peehelbronn, Paris . .	Cabo Bl'co, Peru. . .	Donges, France. . . .	Crude oil . . . . .	13,504
Telde . . . . .	9	9	Hond.	United Fruit Co. . . . .	Golfo, C. R. . . . .	New Orleans, La. . . .	Bullion, logs. . . .	10
Nero <sup>2</sup> . . . . .	9	9	Neth.	Royal Neth. S. S. Co.	Guayaquil, Eena. . .	Cristobal, C. Z. . . .	(14) . . . . .	383
Sessa . . . . .	9	9	Dan.	Wessel, Duval & Co.	Valparaiso, Chile. .	New York, N. Y. . . .	General. . . . .	2,780
Colombia <sup>2</sup> . . . .	9	9	Pan.	Elliot Ship. & Land Co.	B'ventura, Col. . . .	Cristobal, C. Z. . . .	Coffee, gen. . . . .	1,226
Pacific Shipper <sup>2</sup> .	9	9	Brit.	Furness, Withy & Co.	Vancouver, B. C. . .	Manchester, Eng. . . .	General. . . . .	8,069
Luna <sup>2</sup> . . . . .	9	10	Pan.	A. Tagaropoulos . . . .	Darien, R. P. . . . .	Colon, R. P. . . . .	(15) . . . . .	3
Mallard <sup>4</sup> . . . . .	10	10	Amer.	U. S. Navy . . . . .	Balboa, C. Z. . . . .	Cristobal, C. Z. . . .	.....	.....
S-44 <sup>7</sup> . . . . .	10	10	Amer.	U. S. Navy . . . . .	Balboa, C. Z. . . . .	Cristobal, C. Z. . . .	.....	.....
S-45 <sup>7</sup> . . . . .	10	10	Amer.	U. S. Navy . . . . .	Balboa, C. Z. . . . .	Cristobal, C. Z. . . .	.....	.....
S-46 <sup>7</sup> . . . . .	10	10	Amer.	U. S. Navy . . . . .	Balboa, C. Z. . . . .	Cristobal, C. Z. . . .	.....	.....
S-47 <sup>7</sup> . . . . .	10	10	Amer.	U. S. Navy . . . . .	Balboa, C. Z. . . . .	Cristobal, C. Z. . . .	.....	.....

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>7</sup> Submarine. <sup>8</sup> Transport. <sup>13</sup> Gas oil, naphtha. <sup>14</sup> Coffee, nuts, balsa.  
<sup>15</sup> Plantains, lumber.

**Current Net Prices on Fuel Oil and Diesel Oil**

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from the tanks of the Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.10 per barrel at Cristobal and Balboa; Diesel oil, \$1.90 per barrel at Cristobal and Balboa.

**Supplement to Tariff 13.—Coal**

The Panama Railroad Company issued on October 11, 1939, supplement No. 3 to Tariff No. 13, making changes as shown below:

**Item 21.—COAL**

(Effective November 1, 1939)

Paragraph 5 of Item 21 to Tariff No. 13 is annulled and the following substituted:  
 5. The prices of coal, regardless of quantity, and the rates for services in connection with its delivery are as follows:

	Per ton of 2,240 lbs.	
	Cristobal-Colon	Balboa
(a) Coal delivered to vessels at Coaling Plants, trimmed in bunkers.....	\$7.75	\$10.75
(b) Coal delivered to vessels by lighters from Cristobal Coaling Plant, trimmed in bunkers.....	8.25	-----
A flat charge of \$52.50 for lighterage on any quantity delivered will be made in addition to the basic price per ton.		
(c) For sacking lump coal for galley use, or other grades of coal, in addition to the basic price per ton.		
Labor, etc.....	3.00	3.00
Sacks, when furnished by Coaling Plant.....	2.00	2.00

If delivery is made at points other than the Coaling Plant, an extra charge covering the cost of delivery will be made.

**Provisions Required by Ships**

Commissary Division, Panama Railroad Company, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats (including native beef), ice, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery, or for delivery at the other terminal after transit.

### Official Publications of Interest to Shipping

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters," and the current tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C.Z.; or, when more convenient, to The Panama Canal, Washington, D.C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa, a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

### Tolls Charges for Transit of the Panama Canal

(Effective March 1, 1938)

1. Complete transit (one way):
  - (a) Merchant vessels, yachts, army and navy transports, colliers, hospital ships, and supply ships, when carrying passengers or cargo—  
Per net vessel-ton of 100 cubic feet each of actual earning capacity—that is, the net tonnage determined in accordance with the Rules for the Measurement of Vessels for the Panama Canal..... \$0.90
  - (b) Vessels in ballast without passengers or cargo—  
Per net vessel-ton..... .72
  - (c) Other floating craft, including warships, other than transports, colliers, hospital ships, and supply ships—  
Per ton of displacement..... .50
2. Part transit:  
Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
3. Free transit:  
Vessels transiting the Panama Canal by prearrangement from Cristobal to Balboa and return for the sole purpose of having repairs made at Balboa drydock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

### Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices to individuals and companies, as of October 31, 1939:

Commodities	Unit	Price
Brass, bar, average.....	Lb.	\$0.23
Brass, sheet, average.....	Lb.	.30
Bronze, Tobin, average.....	Lb.	.22
Gasoline, motor grade.....	Gal.	.11
Metal, yellow.....	Lb.	.26
Oakum, Navy, spun.....	Lb.	.19
Oakum, Navy, unspun.....	Lb.	.18
Oil, gun and ice machine.....	Gal.	.31
Oil, engine, gas, light, in drums, No. 2135.....	Gal.	.28
Oil, engine, gas, extra heavy, in cases, No. 2250.....	Gal.	.32
Oil, engine, gas, extra heavy, in drums, No. 2250.....	Gal.	.30
Oil, kerosene, in drums.....	Gal.	.11
Oil, marine, engine.....	Gal.	.46
Paint, lead, white, dry.....	Lb.	.11
Paint, lead, white, in oil.....	Lb.	.12
Paint, zinc oxide, dry.....	Lb.	.09
Paint, zinc oxide, in oil.....	Lb.	.12
Grease, gear, chain and wire rope, lubricating.....	Lb.	.05
Grease, yellow, cup, medium.....	Lb.	.07
Grease, yellow, cup, hard.....	Lb.	.07
Soda, ash.....	Lb.	.03
Waste, cotton, colored.....	Lb.	.11
Waste, cotton, white.....	Lb.	.13



### Location of Patients, and Visiting Hours at Gorgas Hospital

The following table shows the distribution of patients in the Gorgas Hospital buildings, and the visiting hours for the various wards and sections.

Section and Ward	Visiting Hours
Section "A:"	
Private and semiprivate rooms.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.; 6:30-8 p. m.
Wards.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m. Sunday and holidays, 9:30-11 a. m.; 2:00-4 p. m.
Section "B:"	
Wards 5, 6, and 7.....	Daily, 9:30-11:00 a. m.; 2:00-4:30 p. m.; 6:30-8:00 p. m.
Ward 8 (maternity ward).....	Daily, 2:30-4:00 p. m.; 6:30-8:00 p. m. Visitors to this ward will be limited to the husband and to the immediate family, i. e., father or mother or, if no parents are at hand, to one woman friend who shall be designated by the patient. Visits to the maternity ward will be limited to ten minutes during the designated visiting periods.
Nursery.....	No visitors are permitted in the Nursery at any time.
Section "C:"	
Wards 9 (colored section), 11, 12, and 13.....	Wednesday, Friday, Sunday, and holidays, 1-2:30 p. m. Visitors from Atlantic side may remain until 3 p. m.
Wards 9 (white section), 10, and 14.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m. Sundays and holidays, 9:30-11 a. m.; 2:30-4:30 p. m.; 6:30-7:30 p. m. Visitors to venereal cases in wards 13 and 14 will be limited to two members of patient's immediate family.
Section "D:"	
Wards 15 and 16.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m. Sundays and holidays, 9:30-11 a. m.; 2:30-4:30 p. m.; 6:30-7:30 p. m.
Wards 17, 19, and 20.....	Wednesday, Friday, Sunday, and holidays, 1-2:30 p. m. Visitors from Atlantic side may remain until 3 p. m.
Ward 18.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.
Isolation section.....	No visitors permitted except to adults to visit tuberculosis patients Thursday, Sunday, and holidays, 1:30-3 p. m.

Permission to visit outside of visiting hours may be granted upon application to the Superintendent's office.

Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

### Dispensary Hours

Location	Week days		Sundays and holidays
	Morning	Afternoon	Morning
Ancon.....	8:00-11:00	3:00-5:00	9:00-10:00
Balboa.....	8:00-11:00	3:00-5:00	9:00-10:00
Colon.....	8:00-11:00	3:00-5:00	8:00-10:00
Gatun.....	8:00-11:00	3:00-5:00	8:30- 9:30
Gamboa.....	8:00-11:00	3:00-5:00	9:00-10:00
Pedro Miguel.....	8:00-11:00	3:00-5:00	9:00-10:00

### Gorgas Hospital Out-Patient Clinic Hours

	Daily, except Sundays and holidays	
	Morning	Afternoon
Medical Clinic.....	*11:00-12:00	*2:00-4:00
Branch Medical Clinic, by appointment only.....	8:00-12:00	1:00-4:00
(Consultations only on Saturday, 8-12 a. m.)		
Allergy Clinic, by appointment only, Thursday.....		1:00-3:30
Surgical Clinic.....		2:00-3:00
Eye, Ear, Nose and Throat Clinic, white patients.....		*2:00-3:00
Eye, Ear, Nose and Throat Clinic, colored patients.....	*8:00-12:00	
X-Ray Clinic.....	8:00-12:00	1:00-4:00
Radio-Therapy Clinic.....	8:00-12:00	1:00-4:00
Hydro-Therapy Clinic.....	8:00-12:00	1:30-4:00
Silver Dental Clinic.....	8:00-12:00	1:00-4:00

\* And by appointment.

**Colon Hospital and Dispensary Clinic Hours**

	Week days		Sundays and holidays
	Morning	Afternoon	Morning
Eye, Ear, Nose and Throat Clinic.....	10:30-12:00	*1:00-4:00	8:00-10:00
Gold Clinic.....	8:30-11:00	3:00-5:00	8:00-10:00
Silver Clinic.....	8:00-11:00	3:00-5:00	8:00-10:00
Surgical Clinic.....		1:00-4:00	
Maternity and Children's.....	8:30-11:00	3:00-5:00	
Silver Dental Clinic.....	8:00-12:00	2:00-5:00	
X-Ray.....	11:00-12:00	2:00-3:00	

\* Excepting Fridays

**Visiting Hours, Colon Hospital**

Section and Ward	Visiting Hours
Ward A, male, white (ward and semiprivate rooms).....	Daily, 2 to 4 p. m.; 6:30 to 8 p. m.
Ward C, male and female, white (ward and private rooms) (No visitors allowed in nursery)	Daily, 2 to 4 p. m.; 6:30 to 8 p. m.
Ward B, female, colored (ward and semiprivate rooms)...	Tuesday, Thursday, Sunday, and holidays, 2 to 3:30 p. m.
Ward E, male, colored.....	Tuesday, Thursday, Sunday, and holidays, 2 to 3:30 p. m.

**Visiting Hours, Corozal Hospital for the Insane**

Sundays, Wednesdays, and holidays:  
 9 a. m. to 10:30 a. m.  
 1 p. m. to 3:30 p. m.

**Lubricating Oils**

The following is a list of the different kinds of lubricating oil carried in stock at Panama Canal storehouses, and a brief description of each of the oils with a statement of the purpose for which it is generally used.

Requisitions and orders for oils placed with the storekeepers should state the name (including number, if any) of the oil desired exactly as given on the following list:

**STATEMENT OF STANDARD LUBRICATING OILS AND THEIR USES**

**OILS, FORCE FEED AND MOTOR CYLINDER**

- Medium, No. 2135.*—A medium oil for the lubrication of main turbines not driving through reduction gears, dynamos, and small internal combustion engines. Not to be used for steam cylinder lubrication.
- Heavy, No. 2190.*—A heavy oil that will separate quickly from water. For the lubrication of turbines with reduction gears, medium size internal combustion engines, and forced feed on main engines. A heavy bodied oil for use on auxiliary equipment.
- Extra heavy, No. 2250.*—An extra heavy oil for the lubrication of medium size internal combustion engines, power cylinders, air compressors, and bearings of Diesel engines.
- Ultra heavy, No. 2310.*—An ultra heavy oil for the lubrication of power cylinders, air compressors, and bearings of large Diesel engines.
- Tractor, heavy, No. 3100.*—A very heavy body oil for aircraft engines, high speed gasoline engines, motor trucks, motor boats, motor cycles, and Diesel engines S. A. E.-50.
- Diesel engine lubricating.*—For Diesel engines.

**OILS, MISCELLANEOUS**

- Ammonia cylinder (gun and ice machine grade No. 125).*—A refined petroleum oil without the admixture of fatty oils, resins, soap, or other compounds not derived from petroleum. For the lubrication of the cylinders of ice machines, pneumatic tools, and hydraulic systems.
- Car and locomotive.*—A lubricant on journals of all cars, passenger coaches, steam and electric locomotives.
- Castor.*—Grade "A." Used for lubricating purposes of the highest grade.
- Cutrite, soluble cutting.*—A mixture of soluble alkali soap in mineral and fixed saponifiable oils. For use in turret lathes and bolt machines.
- Fish.*—Used as a rust preventative and for tempering.
- Lard.*—For use on pipe cutting and threading machines.
- Insulating.*—Switch (Electrical Division).
- Insulating.*—Transformer (Electrical Division).
- Lubricant (gear, chain and wire rope).*—For lubrication and protection of chains, wire rope, and gears of cranes, dredges, steamshovels, etc.
- Machine, odorless.*—For use on typewriters.
- Marine engine, No. 4065, compounded.*—A compound of mineral with vegetable oil for the lubrication of reciprocating engines and auxiliaries where oiling is done by hand or through wick feed or drop oilers, also for thrust bearings. Must not be used for circulating of forced feed systems.
- Mineral steam cylinder, No. 5150.*—For use on reciprocating steam engines using dry saturated steam. For noncondensing steam engine cylinder lubrication (valve oil).
- Mineral steam cylinder, superheated.*—For use on reciprocating steam engines using superheated steam.
- Neatsfoot.*—For softening and preserving leather.
- Solvent.*—Rust-preventing lubricant, for general use.
- Sperm.*—Used principally by U. S. Navy.

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL  
PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.

*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXIII Balboa Heights, C. Z., December 15, 1939 No. 5

## Holiday Greetings

BALBOA HEIGHTS, C. Z., *December 13, 1939.*

At this Holiday Season, I desire to express my warm appreciation of the loyal and faithful service rendered during the year now drawing to a close by all officers and employees associated with me in the Panama Canal and the Panama Railroad Company, and to extend to them and the members of their families my best wishes for a Merry Christmas and a Happy New Year.

I desire also to extend the greetings of the Holiday Season to our good friends and neighbors of the Republic of Panama, to all those associated with us in the shipping world, and to those in the military and naval service on the Isthmus.

It is my hope that you may all enjoy health, happiness and contentment in the fullest measure during the coming year.

C. S. RIDLEY,

*Governor, The Panama Canal,  
President, Panama Railroad.*

## Traffic Through the Panama Canal in November 1939

The total vessels of all kinds transiting the Panama Canal during the month of November 1939, and for the same month in the two preceding years, are shown in the following tabulation:

	November 1939			November	
	Atlantic to Pacific	Pacific to Atlantic	Total	1938	1937
Ocean-going commercial traffic.....	266	223	489	505	435
Small commercial vessels <sup>1</sup> .....	38	32	70	67	75
Noncommercial vessels:					
United States Government.....	17	15	32	41	23
Colombian Government.....		1	1	2	
For repairs.....	1	1	2		4
Total.....	322	272	594	615	537

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

### OCEAN-GOING COMMERCIAL TRAFFIC <sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the 12-month period ended November 30, 1939, as compared with the 12-month period ended November 30, 1938:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1938-9	1937-8	1938-9 <sup>2</sup>	1937-8 <sup>4</sup>	1938-9	1937-8	1938-9	1937-8
December..	509	439	2,336,011	2,070,000	2,374,395	2,046,170	\$2,031,017.04	\$1,845,045.20
January...	525	444	2,380,916	2,053,000	2,393,360	2,095,402	2,062,454.16	1,837,894.72
February...	501	436	2,282,318	1,993,000	2,206,963	1,998,827	1,996,735.66	1,786,611.45
March.....	553	506	2,586,580	2,311,526	2,664,068	2,268,548	2,252,156.28	2,015,585.34
April.....	496	487	2,278,326	2,258,836	2,472,504	2,279,235	1,999,851.16	1,961,456.58
May.....	506	465	2,341,894	2,150,228	2,538,949	2,309,171	2,053,502.16	1,886,825.66
June.....	479	445	2,268,679	2,064,793	2,437,087	2,122,389	1,977,431.94	1,801,291.78
July.....	485	429	2,254,398	2,193,816	2,317,697	2,025,660	1,974,380.72	1,694,205.00
August.....	490	468	2,247,009	2,177,699	2,385,039	2,171,674	1,964,776.48	1,890,500.74
September..	457	438	2,119,418	2,005,241	2,445,700	1,998,464	1,855,574.22	1,741,895.46
October....	458	494	2,068,665	2,276,194	2,386,314	2,359,673	1,815,210.24	1,977,706.76
November..	489	505	2,178,556	2,302,333	2,472,503	2,223,830	1,915,075.38	1,984,014.72
Total....	5,948	5,556	27,342,770	25,596,666	29,094,579	25,899,043	23,898,165.44	22,422,586.41

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>3</sup> Panama Canal net tonnage as figured under rules which became effective March 1, 1938.

<sup>4</sup> Estimated tonnage under rules which became effective March 1, 1938.

#### SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons, (Panama Canal measurement), which transited the Panama Canal during the month of November 1939. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	38	1,694	\$1,370.70	1,274
Pacific to Atlantic.....	32	1,274	1,145.70	1,561
Total.....	70	2,968	2,516.40	2,835

#### Traffic by Nationality of Vessels <sup>5</sup> for November 1939

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British.....	679	403,756	\$359,440.32	341,961
Chilean.....	4	16,956	14,916.06	7,903
Danish.....	21	75,865	67,941.36	95,519
French.....	6	24,873	21,582.18	18,048
Greek.....	26	118,560	101,595.42	158,438
Honduran.....	4	6,486	5,837.40	4,400
Hungarian.....	1	3,932	3,538.80	7,028
Italian.....	6	47,022	42,319.80	22,697
Japanese.....	25	145,796	130,073.94	173,514
Netherlands.....	739	64,624	56,514.78	73,584
Norwegian.....	68	298,819	257,900.76	370,650
Panamanian.....	22	57,560	48,229.56	64,916
Philippine.....	1	4,871	4,383.00	3,959
Swedish.....	11	51,488	45,298.08	78,189
United States.....	171	837,092	738,280.44	1,030,524
Yugoslav.....	5	20,856	17,222.58	21,173
Total.....	489	2,178,556	1,915,075.38	2,472,503

<sup>5</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>6</sup> Includes 5 naval vessels of 25,773 displacement tons.

<sup>7</sup> Includes 1 naval vessel of 999 displacement tons.

#### Traffic by Trade Routes for November 1939

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo is frequently laden or discharged at ports en route, the cargo ton-

nage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	61	306,015	266,150	55	277,129	466,260
East coast United States and:						
Canada.....	2	11,541	7,921	2	8,527	15,460
Central America/Mexico.....	6	7,366	7,861	3	6,874	9,472
South America.....	25	105,510	31,766	2S	121,406	231,840
Hawaiian Islands.....	3	13,834	11,171	5	24,000	40,387
Australasia.....	6	26,629	43,447			
Philippine Islands.....	8	44,935	36,207	12	60,277	88,852
Far East.....	43	207,056	327,480	5	27,374	26,514
East coast/Canada and:						
United States.....	1	2,965	6,262	1	1,825	3,587
South America.....				2	6,167	10,047
Australasia.....	3	17,625	18,853	5	25,639	34,323
Far East.....	1	5,892	7,829			
Central America/Mexico intercoastal.....	1	6,264	12,047	3	9,019	800
East coast Central America/Mexico and:						
South America.....				1	1,913	
Far East.....	1	6,169	11,708			
South America intercoastal.....	3	1,391	1,962			
East coast South America and:						
United States.....	4	14,495	6,941	2	7,175	6,735
Canada.....	2	8,825	11,344			
Philippine Islands.....	1	5,331	6,524			
Far East.....	1	4,926	5,230	1	5,409	4,681
Cristobal and:						
United States.....	1	5,932		1	5,932	8,058
Central America/Mexico.....	4	2,866	2,866	5	4,433	1,193
South America.....	18	14,018	10,750	18	12,152	11,082
West Indies and:						
United States.....	4	21,052		5	32,008	60,437
Canada.....				1	2,675	2,380
Central America/Mexico.....	1	1,589	3,290			
South America.....	4	16,508	30,243	2	8,942	17,481
Balboa.....	4	10,856	11,547	3	5,433	
Far East.....				1	4,855	4,669
Europe and:						
United States.....	8	43,718	12,310	8	41,371	50,428
Canada.....	15	75,741	6,322	28	147,294	223,511
South America.....	12	71,468	12,514	12	72,654	95,028
Hawaiian Islands.....	1	6,196				
Australasia.....	7	54,209	13,323	7	47,079	45,691
Far East.....	8	46,785	54,420	2	10,186	14,314
Africa and:						
Canada.....				1	3,212	5,127
South America.....	1	6,800				
Around the world.....	2	14,652	9,229	1	5,991	6,629
Vessels not engaged in commerce.....	8 3			8 3		
Foreign vessels in ballast (U. S. intercoastal).....	1	2,506				
<b>Total.....</b>	<b>266</b>	<b>1,191,605</b>	<b>987,517</b>	<b>223</b>	<b>986,951</b>	<b>1,484,986</b>

8 Naval vessels.

**Origin and Destination of Cargo by Major Areas, November 1939**

The following table summarizes the origin of cargo passing through the Canal in November 1939, and its destination by major geographical trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States.....	278,130	20,356	396,123	29,882	43,991	768,482
Other North America.....	8,746	32,370	16,542	46,296	18,309	122,263
Europe.....	16,433	1,239	29,749	9,193	13,323	69,937
Miscellaneous.....	15,827	1,119	8,563	1,326		26,835
<b>Total.....</b>	<b>319,136</b>	<b>55,084</b>	<b>450,977</b>	<b>86,697</b>	<b>75,623</b>	<b>987,517</b>

## PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	432,819	85,433	103,286	10,859	632,397
Canada.....	15,460	2,429	163,352	7,205	188,446
Other North America.....	49,847	2,005	7,036	.....	58,888
South America.....	247,549	44,567	94,731	131	386,978
Australasia.....	5,587	28,736	45,691	.....	80,014
Asia.....	111,033	13,036	12,397	1,797	138,263
Total.....	862,295	176,206	426,493	19,992	1,484,986

## Principal Commodities

Commodities which aggregated 10,000 or more tons either during November 1939, or in November 1938, are listed below:

Commodity	November		Commodity	November	
	1939	1938		1939	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts.....	11,820	13,491	Beans, edible, dry.....	17,255	15,423
Cement.....	2,066	17,150	Canned food products.....	141,314	115,851
Chemicals.....	12,434	12,263	Coffee.....	13,800	10,524
Coal and coke.....	6,627	27,204	Cold storage (food products) <sup>9</sup> .....	20,983	11,210
Cotton, raw.....	38,965	23,174	Copra.....	25,558	24,848
Iron and steel.....	166,883	112,687	Cotton, raw.....	8,381	11,096
Machinery.....	15,108	12,933	Flour.....	12,106	17,175
Metals, various.....	30,203	36,885	Fruit, dried.....	48,110	56,867
Oils, mineral.....	154,905	86,485	Fruit, fresh <sup>10</sup> .....	20,567	52,677
Paper.....	28,343	37,031	Lumber.....	285,653	224,182
Phosphates.....	11,696	9,648	Metals, various.....	61,220	60,614
Railroad material.....	1,399	12,338	Nitrates.....	87,266	113,516
Salt.....	11,462	2,981	Oils, mineral.....	214,281	174,192
Scrap metal.....	179,359	93,827	Oils, vegetable.....	14,200	13,420
Sulphur.....	51,723	25,277	Ores.....	165,430	168,885
Tinplate.....	19,405	9,443	Rice.....	14,461	1,928
Wood pulp.....	18,729	4,918	Soy beans.....	3,454	32,921
<i>Pacific to Atlantic</i>			Sugar.....	111,676	95,354
Asphalt and tar.....	11,800	310	Wheat.....	32,164	116,331
Barley.....	17,215	17,021	Wood pulp.....	21,236	22,601

<sup>9</sup> Except fresh fruit.

<sup>10</sup> Except bananas.

## Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of November 1939, as reported in the cargo declarations showing the movement by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise, but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts.....				122
Agricultural implements.....	358	91	1,597	150
Alfalfa meal.....		215		330
Ammonium compounds.....	83		8,622	
Animal foods <sup>11</sup> .....	15	193	29	193
Apparel, wearing (hats, shoes, clothing, etc.).....	139		139	3
Asbestos.....	476		6,886	40
Asphalt and tar.....	184	11,400	2,998	11,800
Automobiles (and autotrucks).....	1,101	5	6,146	7
Automobile parts and accessories.....	683	7	5,674	27
Bags and bagging, textile.....	232		351	
Bamboo and products.....				453
Bananas.....				2,591

<sup>11</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Barks, miscellaneous		34		759
Barley				17,215
Beans, edible, dry	83	5,212	329	17,255
Beer	163		409	13
Blood and tankage			340	75
Bones and bone meal			2,314	
Books and printed matter		89	5	90
Borax		339	503	5,167
Bran and pollards		34		1,877
Bricks and tile	21		1,268	
Camphor, crude				118
Canned and preserved goods:				
Fish	545	11,044	770	27,574
Fruit	405	31,776	441	78,808
Meat	76	38	1,412	256
Milk		198	199	245
Soup	2,600		2,656	4
Vegetables	1,009	13,108	1,085	13,420
Miscellaneous and unclassified	2,445	19,811	2,911	21,007
Carbon black	15		832	76
Celite		230		230
Cement	467		2,066	302
Chalk			1,523	
Charcoal	43		47	
Chemicals <sup>11</sup>	4,354	867	12,434	1,993
Clay, china and fire	454		644	
Clay, filtering	703	332	713	607
Coal	1,800		1,969	
Cocoa and cacao beans	347	18	548	445
Cocanuts and products <sup>11</sup>	79	553	236	1,249
Coffee	98	142	8,393	13,800
Coke	1,460		4,658	
Cold storage and refrigerated products:				
Dairy products	26	141	126	9,710
Eggs				228
Fish	132		256	749
Lard	470		506	58
Meats	2	82	62	9,975
Vegetables				117
Other and unclassified	70		99	146
Confectionery	1,532		1,649	
Copra				24,371
Copra meal and cake				1,187
Corn	892		892	
Cotton, raw	223	321	38,965	8,381
Creosote	6,500		6,500	
Drugs and medicines	2,124	20	2,523	51
Dyes			185	8
Earthenware			80	399
Eggs, dried				31
Electrical apparatus and appliances	2,554	98	4,466	215
Enamel and metalware	608	75	955	138
Explosives	247	37	248	129
Extract, quebracho			3,185	
Fertilizers <sup>11</sup>	1,386	11	1,839	536
Fish, salted or dry-cured				1
Fish meal	44		44	6,174
Floor coverings	2,591	1,530	2,829	2,137
Flour	128	9,944	1,197	12,106
Fruit, dried		18,048	20	48,110
Fruit, fresh <sup>11</sup>	12	602	597	20,567
Furniture and household goods	244	29	246	45
Gallnuts				449
General	15,412	4,226	37,331	10,320
Glass and glassware	1,798	81	3,376	632
Glue	35	18	35	32
Grains <sup>11</sup>		12	120	320
Groceries	1,101	917	1,817	1,378
Gums		60	10	311
Hair, all kinds		248		519
Hay		30		43
Hemp, unmanufactured	139	291	139	3,371
Honey		131		252
Horns and hoofs			23	
Infusorial earth		379	6	995
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	106,955	514	166,883	2,577
Ivory nuts				2,264
Jute, unmanufactured	30	7	30	7
Lard substitute	508		2,510	

<sup>11</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Lime.....	90		335	
Liquors.....	5,059	173	6,273	202
Lumber (including manufactured mill products).....	3,372	156,417	4,152	285,653
Machinery.....	2,536	652	15,108	731
Malt.....			101	42
Manufactured goods <sup>11</sup> .....	6,788	2,220	14,355	3,044
Marble and granite.....	126		530	
Matches.....	143	111	213	111
Metals:				
Antimony.....		18	40	117
Copper.....	581	1,389	11,504	40,089
Gold and silver.....	250		250	26
Iron.....	1,426	12	13,113	12
Lead.....		100	1,850	13,926
Tin.....	74	75	334	1,771
Zinc.....	18	51	837	5,093
Other and unclassified.....	676	40	2,275	186
Milk, powdered.....		45	38	387
Molasses and syrups.....	240	18	260	7,836
Nitrate.....	4,870	27	6,479	87,266
Nuts, edible (including meats).....		788	177	894
Oats.....	33	254	97	1,129
Oils, mineral:				
Crude.....		9,332	46,347	61,099
Gas and fuel.....		32,032	56,956	47,798
Gasoline, benzine, and naphtha.....		17,522	14,480	43,063
Kerosene.....	17	3,823	233	43,380
Lubricating and greases.....	11,159	659	35,666	794
Other and unclassified.....	166	5,816	1,223	18,147
Oils, vegetable:				
Coconut.....		1,686	16	6,548
Cottonseed.....	20		1,636	77
Linseed.....			105	
Olive.....	112		130	
Rapeseed.....				1,707
Wood.....	73	31	76	2,858
Other and unclassified.....	58	74	196	3,010
Oil, fish.....	125	2,767	164	3,184
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....		22	4,618	1,006
Oilseed cake and meal.....	3,512		3,514	5,178
Ores:				
Antimony.....		57		1,387
Chrome.....	195		195	23,655
Copper.....			1,690	654
Gold and silver.....	30		30	2,847
Iron.....			109	114,105
Magnesite.....		2,848		2,848
Manganese.....	148	278	397	1,408
Tin.....				3,487
Zinc.....	18		1,077	4,508
Other and unclassified.....	150	140	5,777	10,531
Paints and varnishes.....	1,211	117	3,126	459
Paper and paper products <sup>11</sup> .....	11,548	6,226	28,343	7,773
Peanuts.....	427		427	243
Peas, dry.....		147		918
Peatmoss.....	10		354	
Phosphates.....	386	125	11,696	6,550
Plaster.....			36	
Porecelainware.....	246	359	425	2,067
Potash.....	49	2,927	3,037	8,165
Pyrethrum flowers.....				404
Rags and waste.....	273	177	1,469	735
Railroad material.....	111		1,399	25
Rice.....	978	712	1,007	14,461
Rope and twine.....	275	62	322	214
Rosin.....	2,337	10	4,318	10
Rubber:				
Manufactured.....	1,071	103	1,638	203
Raw.....				6,063
Serap.....			1,341	109
Salt.....	110	1,825	11,462	1,925
Sand.....	2,130		3,130	
Serap metal.....		188	179,359	306
Seeds (except oilseeds).....	83	523	368	1,141
Shells, oyster.....	409		415	154
Silk, raw.....		76		1,807
Skins and hides.....	14	1,422	610	6,631
Slate.....	4,027		4,027	
Soaps and products.....	2,929	122	3,193	299

<sup>11</sup> Except as otherwise classified.



Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Soda and sodium compounds:				
Soda ash . . . . .	144		2,022	744
Soda, caustic . . . . .	415		1,992	291
Miscellaneous and unclassified . . . . .	568	45	877	
Soy beans . . . . .	404		429	3,454
Spices . . . . .	289	21	455	346
Sugar . . . . .		22,869	8	111,676
Sulphur . . . . .	28,383	45	51,723	50
Talc . . . . .	58	107	70	701
Tallow . . . . .	13	559	368	1,859
Tea . . . . .	70	12	77	1,560
Textiles <sup>12</sup> . . . . .	4,438	36	7,679	3,251
Tinplate . . . . .	1,610	150	19,405	150
Tobacco and manufactures . . . . .	321	178	2,868	821
Toilet preparations . . . . .	22	95	27	95
Turpentine . . . . .	180		939	
Vegetables, dry <sup>11</sup> . . . . .		46		299
Wallboard . . . . .	34		124	197
Wax, paraffin . . . . .	180	25	259	473
Wheat . . . . .	19	153	1,243	32,164
Wines . . . . .	59	2,088	355	2,929
Wood pulp . . . . .	2,222	16,934	18,729	21,236
Wool . . . . .	1,811	1,270	2,484	2,864
Total, November 1939 . . . . .	278,130	432,819	987,517	1,484,986
Total, November 1938 . . . . .	176,440	381,185	737,347	1,486,433
Total, November 1937 . . . . .	221,869	344,066	752,103	1,433,180

<sup>11</sup> Except as otherwise classified.<sup>12</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of November 1939:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal . . . . .	9	50,172	<sup>13</sup> 6,500	7	42,305	<sup>14</sup> 79,861
East coast United States and:						
Central America . . . . .	1	966				
Hawaiian Islands . . . . .				1	3,753	<sup>15</sup> 7,129
Far East . . . . .	3	18,581	36,214			
Canada and west coast South America . . . . .				1	4,359	7,400
Central America/Mexico intercoastal . . . . .	1	6,264	12,047	1	6,347	
East coast Central America/Mexico and:						
South America . . . . .				1	1,913	
Far East . . . . .	1	6,169	11,708			
Cristobal and United States . . . . .	1	5,932		1	5,932	8,055
West Indies and:						
United States . . . . .	3	15,056		5	32,008	60,437
South America . . . . .	3	14,410	30,243	2	8,942	17,481
Balboa . . . . .	3	5,433	11,547	3	5,433	
Europe and:						
United States . . . . .	1	7,967				
South America . . . . .	5	26,816		4	26,377	51,551
Hawaiian Islands . . . . .	1	6,196				
Africa and South America . . . . .	1	6,800				
Total . . . . .	33	170,762	108,259	26	137,369	231,947

<sup>13</sup> Creosote.<sup>14</sup> Includes 11,346 tons of asphalt.<sup>15</sup> Molasses.

### Ships' Chandlery Supplies

Panama Canal Storehouses carry a complete line of ships' chandlery supplies available for sale to ships.

## Comparison of Canal Traffic in November 1939, with November Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of November			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1914 <sup>16</sup> .....	86	(000 omitted) 290	(000 omitted) 447	1915 <sup>17</sup> .....	100	(000 omitted) 334	(000 omitted) 466
1915.....				1916.....	60	184	258
1916.....	142	403	512	1917.....	145	447	588
1917.....	174	541	695	1918.....	165	506	627
1918.....	174	471	626	1919.....	162	472	576
1919.....	172	552	575	1920.....	199	659	781
1920.....	231	859	985	1921.....	232	879	966
1921.....	218	871	855	1922.....	222	880	907
1922.....	290	1,237	1,427	1923.....	325	1,434	1,631
1923.....	430	2,029	2,218	1924.....	429	2,016	2,249
1924.....	374	1,732	1,962	1925.....	382	1,761	1,996
1925.....	417	1,876	2,023	1926.....	424	1,909	2,169
1926.....	404	1,878	2,271	1927.....	441	2,020	2,311
1927.....	540	2,396	2,488	1928.....	521	2,269	2,468
1928.....	519	2,282	2,500	1929.....	524	2,299	2,554
1929.....	510	2,310	2,533	1930.....	502	2,310	2,502
1930.....	464	2,192	2,262	1931.....	447	2,140	2,089
1931.....	365	1,851	1,577	1932.....	364	1,820	1,650
1932.....	365	1,882	1,531	1933.....	347	1,758	1,513
1933.....	432	2,214	1,949	1934.....	436	2,201	2,059
1934.....	469	2,355	2,339	1935.....	432	2,143	2,109
1935.....	418	2,004	2,050	1936.....	449	2,160	2,209
1936.....	368	1,636	1,747	1937.....	467	2,239	2,507
1937.....	435	2,110	2,185	1938.....	460	2,163	2,282
1938.....	505	2,302	2,224	1939.....	492	2,264	2,322
1939.....	489	2,179	2,473	11 mos. cal. yr. 1939	494	2,273	2,429

<sup>16</sup> Canal opened August 15, 1914.

<sup>17</sup> Average for 10½ months.

### Terminal Activities

Ships repaired during the month of November 1939, numbered 58. Vessels released from drydock numbered 4. Fuel oil amounting to 422,130 barrels was delivered as bunkers to 162 commercial vessels. Bunker coal amounting to 12,822 tons was delivered to 33 commercial vessels. Sales of commissary supplies to ships aggregated \$46,837.

### Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons	33,209	11,254	44,463
Local cargo shipped..... tons	1,576	378	1,954
Cargo received for transshipment..... tons	56,136	277	56,413
Cargo transhipped..... tons	49,203	288	49,491
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	4	2	6
Number of releases issued.....	43	19	62
Tons received.....	92	8	100
Tons withdrawn.....	44	19	63

### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal..	553	3,202,304	1,935,045	515	2,954,626	1,803,540
Vessels entering port but not transiting Canal..	65	312,514	166,231	15	62,492	39,923
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	105	594,735	350,892	78	537,087	330,932
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	560	3,232,195	1,953,824	518	2,995,211	1,830,976
Vessels clearing port but not transiting Canal..	64	289,246	152,904	15	65,191	40,778
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	111	632,956	373,965	77	529,292	324,748

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month of November 1939. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

Erria, 113, 711	Hokkai Maru, 696, 338	Caeique, 1,116, 160	Oropesa, 3, 6	Yamazato Maru, 580, 0
Ancon, 5,491, 632	Sau Marcos, 954, 24	Jamaica, 0, 2	Maravi, 1,473, 1	Quirigua, 68, 257
Conte Grande, 412, 33	West Ira, 178, 322	Salvador, 0, 1	West Portal, 130, 228	Santa Rosa, 104, 340
City of Los Angeles, 619, 0	Musa, 1,996, 231	Slemmestad, 0, 4	Sophocles, 396, 57	Orazio, 477, 66
Santa Clara, 291, 50	Santa Barbara, 313, 23	Talamanca, 215, 835	Breda, 1,242, 1	Nuevo Panama, 175, 0
Lobos, 31, 723	Sessa, 0, 1	Chester Valley, 2,320, 614	Chiriqui, 848, 161	Cefalu, 546, 424
Notos, 0, 1,797	Musa, 2,536, 17	Santa Elena, 235, 476	Caeique, 1,415, 255	Santa Inez, 99, 9
Toyohasi Maru, 150, 238	Istmo, 0, 43	Contessa, 1,134, 631	Ivaran, 315, 6	Trajanus, 2,656, 2,599
Quirigua, 227, 868	Lochmonar, 228, 75	Acajutla, 0, 1,021	Draco, 433, 200	Kirisima Maru, 218, 0
Draco, 595, 597	Alma Bush, 0, 2	Laurits Swenson, 117, 51	Real, 16, 0	Ferndale, 0, 1
Pereira, 279, 761	Nordstjerner, 16, 87	Cristobal, 4,298, 561	American Press, 1,646, 571	Imperial, 3, 0
Prusa, 324, 3	Albion Star, 25, 0	Sona, 0, 44	Jamaica, 321, 638	Sona, 0, 28
Macabi, 40, 72	Chateau Thierry, 341, 15	Tai Ping, 0, 5	Takaoka Maru, 650, 151	Costa Rica, 51, 1,395
Flevo, 408, 728	Colombia, 1,560, 640	Sofie Bakke, 0, 2	Helga, 0, 2	Ancon, 4,627, 1,009
San Pablo, 190, 313	Sixtoia, 1,050, 473	Europa, 11, 0	Amapala, 418, 249	Telde, 183, 1,160
Hindanger, 0, 383	Manto, 426, 631	Plato, 0, 58	Salvador, 0, 197	Orotava, 11, 279
Santa Paula, 261, 393	Fernhill, 0, 7	Veragua, 589, 218	City of Los Angeles, 7, 0	Australian, 0, 2
San Rafael, 655, 71	Chancellor, 614, 0	Margaret Johnson, 302, 418	Musa, 2,080, 868	Toloo, 925, 162
Knute Nelson, 48, 544	Virgilio, 55, 74	Douro, 0, 599	City of Dalhart, 248, 0	Manto, 381, 443
Contessa, 0, 3	Chiriqui, 107, 377	Santa Marta, 583, 253	Sambu, 0, 93	Colombia, 1,373, 1,634
Acajutla, 8, 1	Margarethe Bakke, 29, 381	Venezuela, 170, 165	Flevo, 184, 275	Hoyanger, 36, 448
Panama, 4,634, 546	Mauna Kea, 411, 519	Chaumont, 83, 19	Talamanca, 747, 3	Fjordaa, 0, 4
Santa Lucia, 211, 13	Anna Maersk, 661, 129	Draco, 606, 483	Santa Barbara, 280, 30	Santa Paula, 419, 103
Astoria, 0, 4	Cefalu, 416, 163	Rialto, 87, 2	Macabi, 0, 5	San Pablo, 1,363, 205
Orotava, 241, 615	Orduna, 31, 33	Plato, 146, 405	Villanger, 1, 0	City of Baltimore, 513, 0
Vermont, 1,540, 0	Sambu, 0, 147	Nero, 414, 271	Musa, 1, 0	Marna, 0, 4
Jamaica, 187, 153	Platano, 2,755, 0	San Simeon, 691, 8	Toloo, 1, 0	Istmo, 0, 7
Tosan Maru, 496, 0	Winnipeg, 100, 0	Republic, 34, 77	Vilja, 0, 1	Conte Grande, 67, 247
Ulua, 595, 79	Disa, 36, 36	Comayagua, 538, 255	Sambu, 0, 122	Baarn, 1, 0
Telde, 13, 514	Hulda Maersk, 0, 1	Pasajero, 0, 14	Crawford Ellis, 0, 754	Choluteca, 260, 801
Colombia, 1,114, 674	Copiapo, 0, 34	Samuel Bakke, 101, 19	City of Norfolk, 448, 1	Santa Clara, 415, 57
Nightingale, 169, 228	Tamesis, 8, 0	Karpo, 0, 353	Nemours, 97, 0	Aconagua, 4, 0
Istmo, 173, 11	City of San Francisco, 281, 0	Salvador, 6, 0	Orbita, 288, 446	Panama, 10, 0
Jeff Davis, 650, 4	Santa Maria, 255, 22	Nosiro Maru, 266, 2	San Jose, 275, 152	Planter, 419, 0
Platano, 2, 0	Hercules, 509, 2,708	Krossfonn, 0, 36	Santa Rita, 741, 505	Real, 0, 24
Oropesa, 2, 0	Nero, 423, 412	Fernwood, 0, 5	Ciss, 946, 973	Fernmoore, 0, 7
Ferncliff, 0, 5	Nuevo Panama, 22, 53	Radium, 1, 0	Colombia, 1,471, 756	Real, 0, 18
Tiberius, 156, 1,918	Silver Willow, 833, 0	Real, 0, 55	Mau, 3, 0	Toloo, 10, 0
Strabo, 90, 174	Manto, 404, 237	Platano, 2,582, 825	Arizona, 34, 0	Esso Balboa, 71, 0
Olancho, 510, 220				

#### BALBOA

Deroche, 229, 0	City of Newport News, Akaroa, 0, 16	City of San Francisco, Republic, 482, 188
Anna Maersk, 407, 0	1, 0	Colombia, 1, 0
Washington Express, 123, 0	Esso Copenhagen, 1, 0	Lotta, 1, 0
St. Mihiel, 1,165, 36	Europa, 2, 0	Santa Lucia, 235, 17
Santos Maru, 0, 2	Nightingale, 0, 5	Salvador, 1, 0
Conte Grande, 0, 1	City of Norfolk, 203, 0	Aconagua, 11, 0
Virgilio, 1, 0	Caeique, 0, 101	City of Los Angeles, 1, 7
Santa Lucia, 31, 0	Acajutla, 0, 3	Orazio, 0, 4
Margarethe Bakke, 0, 151	Santa Rita, 195, 21	Sophocles, 1, 0
Pereira, 0, 8	Samuel Bakke, 116, 0	City of Baltimore, 173, 1
Nyborn, 1, 0	Ekatrini Coumantarou, 4,419, 0	City of Dalhart, 71, 0
Tosan Maru, 2, 0	West Ira, 105, 0	Trajanus, 0, 1
Ginyo Maru, 185, 0	Orbita, 1, 7	Santa Clara, 24, 1
President Harrison, 17, 2	Venezuela, 2, 0	Salvador, 0, 1
	Ciss, 0, 1	
	Colombia, 0, 1	
	Chateau Thierry, 856, 28	
		Oregon Express, 349, 2
		Santa Inez, 1, 0

NOTE.—Figures shown represent short tons of 2,000 pounds.

### Passengers

During November 1939, ocean ship passengers debarking at Cristobal numbered 2,018, embarking 1,279; at Balboa, 1,455 debarking, 420 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 6,113; from the Pacific to the Atlantic, 1,121. Commercial aircraft numbering 62 entered Cristobal with 308 passengers debarking; clearances were 64 with 335 passengers embarking. Balboa entries of aircraft numbered 55, with 139 passengers debarking; clearances were 55, with 138 passengers embarking.

## Movements of Ocean Vessels Through the Panama Canal

### From midnight November 10, 1939, to midnight December 10, 1939

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Trianon <sup>2</sup>	10	11	Nor.	Barber Line	Jossingjord, Nor.	Moji, Japan	Ore, cotton	8,245
Peleus	10	11	Greek	Mitsui Line	Norfolk, Va.	Osaka, Japan	Scrap iron	7,489
Reynolds	10	11	Brit.	Anglo-Can. S. S. Co.	Barry, England	N. Pac. ports	Ballast	
Vermont	9	11	Amer.	Calif.-Eastern Line	New York, N. Y.	Portland, Oreg.	General	4,042
Julia Luckenbach	11	11	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Paper, gen.	3,467
Malay <sup>1</sup>	11	11	Amer.	Shell Oil Co.	Newp't News, Va.	Los Angeles, Cal.	Ballast	
Tai Ping <sup>2</sup>	11	11	Nor.	Barber-Williamsen	New York, N. Y.	Los Angeles, Cal.	General	5,140
Laila	11	12	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General	2,213
Fortuna <sup>3</sup>	11	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	General	
President Harrison	12	12	Amer.	Amer. President Lines	New York, N. Y.	Bombay, India	General	4,270
City of Newport News	12	13	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	3,593
Iowan	11	12	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,078
Helene <sup>13</sup>	11	14	Amer.	U. S. Army	New York, N. Y.	Seattle, Wash.	Ballast	
King Stephen <sup>2</sup>	11	12	Brit.	Dodd, Thomson & Co.	Avon'th, Eng.	Brit. Columbia	Ballast	
Lautaro <sup>2</sup>	11	13	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	San Antonio, Chile	Ballast	
Nero <sup>2</sup>	10	12	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	330
Maria Stathatos	12	12	Greek	Mitsubishi Line	Texas City, Tex.	Yokohama, Japan	Scrap iron	8,553
Colombia <sup>2</sup>	10	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	513
Tarango <sup>2</sup>	11	14	Nor.	Interocean S. S. Co.	Rotterdam, Neth.	Balboa, C. Z. <sup>14</sup>	Ballast	
Nuevo Panama <sup>2</sup>	11	12	Pan.	Elliot Ship. & Land Co.	Barranquilla, Col.	B'ventura, Col.	Salt, gen.	246
Steelmaker	11	13	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Honolulu, T. H.	Tinplate, gen.	5,425
Kansai Maru <sup>2</sup>	12	13	Jap.	Osaka Syosen Kaisya	Boston, Mass.	Moji, Japan	Asbestos, gen.	8,331
Algonquin <sup>1</sup>	12	13	Amer.	Socony Vac. Oil Co.	Providence, R. I.	Los Angeles, Cal.	Ballast	
Pont Brava	13	13	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General	3,051
Hegira	13	13	Amer.	Weyerhaeuser S.S. Co.	New York, N. Y.	Seattle, Wash.	General	7,070
Nightingale	12	13	Amer.	Grace Line	Baltimore, Md.	Valparaiso, Chile	General	7,199
Aikaterini	12	14	Greek	Procter & Gordon	Providence, R. I.	Moji, Japan	Scrap iron	7,531
Manto <sup>2</sup>	12	13	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Pto. Bolivar	General	236
Sambu <sup>2</sup>	11	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	85
Luna <sup>2</sup>	13	13	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Hamlet <sup>1</sup>	12	14	Nor.	Standard Oil of N. J.	Abo, Finland	Talara, Peru	Ballast	
Arosa <sup>2</sup>	13	14	Nor.	Duval-Texas Sulphur	Galveston, Tex.	Geelong, Aust'lia	Sulphur	7,253
Western Prince <sup>2</sup>	13	14	Brit.	Furness, Withy & Co.	New York, N. Y.	N. Westm'er, B.C	Ballast	
Sofie Bakke <sup>2</sup>	14	18	Nor.	Knut Knutsen, O.A.S.	Habana, Cuba	Balboa, C. Z. <sup>14</sup>	Ballast	
Louisianan	14	14	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	S. Francisco, Cal.	General	2,436
Terukawa Maru <sup>2</sup>	14	15	Jap.	Kawasaki K. Kaisha	New Orleans, La.	Kobe, Japan	Gas, rails	7,297
Tekoa	14	15	Brit.	N. Z. Shipping Co.	Glasgow, Scot.	Pt. Chalmers, N.Z.	General	3,643
Cacique	12	15	Amer.	Grace Line	Cristobal, C. Z.	Guayaquil, Equa.	General	156
Mussolini <sup>2</sup>	12	15	Pan.	M. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	11	14	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	43
Real <sup>2</sup>	11	14	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Service No. 2 <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Edward Luckenbach	14	15	Amer.	Luckenbach Line	New York, N. Y.	Tacoma, Wash.	General	7,463
Lebore	14	16	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Mataron	15	16	Brit.	Shaw, Savill & Albion	London, England	Auckland, N. Z.	General	2,500
Kiyosumi Maru <sup>2</sup>	14	15	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Kobe, Japan	(15)	8,009
San Marcos	14	15	Amer.	Quaker Line	New York, N. Y.	Portland, Oreg.	General	4,240
Laurits Swenson <sup>2</sup>	15	15	Nor.	Fred Olsen Line	Oslo, Norway	Vancouver, B. C.	General	1,280
Virgiman	15	15	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	3,129
West Ira	14	16	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Vancouver, B. C.	General	5,443
Ebba <sup>2</sup>	12		Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
America <sup>5</sup>	15		Pan.	J. H. Stilson	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Acajutla	7	16	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champico, Guat.	General	803
Norda	15	16	Nor.	Canadian-Gulf Line	Houston, Tex.	Moji, Japan	Scrap iron	6,791
Midelfjord <sup>1</sup>	15	16	Nor.	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
D. G. Scofield <sup>1</sup>	15	16	Amer.	Shell Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Warrior	15	17	Amer.	Waterman S. S. Corp.	Houston, Texas	Kobe, Japan	(16)	10,714
West Kyska	16	16	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	4,124
L. A. Christensen <sup>2</sup>	16	16	Nor.	Mitsubishi Shoji K.	New York, N. Y.	Kobe, Japan	(17)	7,145
Marymar	16	17	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,874
Moir <sup>1</sup>	16	17	Nor.	Proctor & Gamble	Baltimore, Md.	Manzanillo, Mex.	Ballast	
Sally Maersk <sup>2</sup>	16	17	Dan.	A. P. Moller	Freeport, Tex.	Yarraville, Aust.	Sulphur	4,502
Rita <sup>1</sup>	16		Neth.	Cur. Schceep, My.	Curacao, N. W. I.	Balboa, C. Z.	Crude oil	3,918
Tweedbank <sup>2</sup>	16	17	Brit.	Bank Line, Ltd.	Baltimore, Md.	Shanghai, China	General	3,650
Leonidas M.	17	17	Greek	Chile, Nit. Sales Corp.	Pensacola, Fla.	Chile	Ballast	
Liberty Glo	17	17	Amer.	Amer. For. S. S. Co.	Sulphurport, La.	Everett, Wash.	Sulphur	7,200
Ethan Allen	16	17	Amer.	Lykes Bro. S. S. Co.	New Orleans, La.	Haiiphong, In-Ch.	Cotton	7,151
Hercules	8	17	Neth.	Royal Neth. S. S. Co.	Curacao, N.W.I.	Chile	General	687
Athem	17	18	Brit.	Canadian Transp. Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	
Lt. Col. E. W. Niles, <sup>11</sup>	16		Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>11</sup> Mine planter. <sup>13</sup> Survey ship. <sup>14</sup> For orders. <sup>15</sup> Steel, zinc, general. <sup>16</sup> Steel, scrap iron. <sup>17</sup> Scrap iron, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Woodcock <sup>10</sup>	17		Amer.	U. S. Navy	Swan Island	Balboa, C. Z.	Ballast	
Orbita	17	18	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Talcahuano, Chile	General	3,506
Kaizo Maru <sup>1</sup>	17	18	Jap.	Nippon Yusen Kaisha	Tuxpan, Mexico	Tokuyama, Japan	Crude oil	11,708
San Jose	17	18	Fr.	French Line	Havre, France	Vancouver, B. C.	Coke, gen.	3,921
Mount Nelmos	17	19	Greek	Duval Texas Sulphur	Galveston, Tex.	Auckland, N. Z.	Sulphur	9,052
Bethore	18	18	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Pennsylvanian	18	18	Amer.	Amer.-Hawaiian Line	Bridgeport, Conn.	Tacoma, Wash.	General	3,600
Ferndale <sup>2</sup>	18	18	Nor.	Fern Line	Pt. Tampa, Fla.	Osaka, Japan	General	6,999
Douro <sup>2</sup>	16	18	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	543
Portmar	18	19	Amer.	Calmar Line	Philadelphia, Pa.	Portland, Oreg.	Steel, gen.	5,748
Andrea F. Luckenbach	18	19	Amer.	Luckenbach Line	Providence, R. I.	Seattle, Wash.	General	4,793
Fortuna <sup>3</sup>	18		Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Susana <sup>5</sup>			Amer.	R. C. McKeown	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Santa Rita <sup>2</sup>	18	19	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile	General	2,801
Venezuela <sup>2</sup>	18	19	Swed.	Johnson Line	Stockholm, Swed.	S. Francisco, Cal.	General	4,833
Kohala	18	20	Amer.	Matson Nav. Co.	New York, N. Y.	Honolulu, T. H.	Steel	1,852
Carmar	19	19	Pan.	Mitsui Bussan K.	New York, N. Y.	Moji, Japan	Scrap iron	7,044
Chios	19	20	Greek	Australian Despatch	Hull, England	Los Angeles, Cal.	Ballast	
Kassandra Louloudis	19	19	Greek	Mitsui Line	Alhany, N. Y.	Moji, Japan	Scrap iron	7,645
Yamagiri Maru <sup>2</sup>	19	19	Jap.	Yamashita Kisen K.	Buenos Aires, Arg.	Yokohama, Japan	(15)	6,524
Lotta	19	20	Dan.	West Coast Line	Philadelphia, Pa.	Talcahuano, Chile	General	2,925
City of Delhi	19	20	Brit.	Ellerman & Bucknall	Montreal, Canada	Adelaide, Aust.	General	7,054
Amerikaland <sup>2</sup>	19	20	Swed.	Ore S. S. Corp.	New York, N. Y.	Cruz Gr'de, Chile	Ballast	
Kaipara <sup>2</sup>	19	20	Brit.	M. A. N. Z. Line	Three Riv., Can.	Melbourne, Aust.	General	6,232
Maui	19	20	Amer.	Baltimore Mail Co.	Baltimore, Md.	S. Francisco, Cal.	General	4,792
Charles R. McCormick	19	20	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	7,581
Washingtonian	19	20	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Singapore, St. Set.	Steel, gen.	9,295
Draco <sup>2</sup>	18	20	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	347
Columbian	19	20	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	General	5,210
Colombia <sup>2</sup>	18	20	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	900
Tyr <sup>2</sup>	20	21	Nor.	Mitsubishi Shoji K.	New York, N. Y.	Moji, Japan	Scrap iron	6,450
Ciss	18	21	Nor.	Græe Line	Cristobal, C. Z.	Champ'ico, Guat.	General	1,031
Republic <sup>8</sup>	20	21	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General	1,812
Real <sup>2</sup>	18	21	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Aguadulee, R. P.	General	50
Luna <sup>2</sup>	20	21	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Nathan <sup>2</sup>	20		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>	Ballast	20
Sona <sup>2</sup>	18	20	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	15
Plato <sup>2</sup>	19	21	Neth.	Royal Neth. S. S. Co.	Pt. Limon, C. R.	Guayaquil, Ecu.	General	329
Yankee <sup>6</sup>	18	27	Amer.	Irving Johnson	C. Haitien, Haiti	Round the world	Ballast	
Mussolini <sup>2</sup>	19		Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Le Havre <sup>1</sup>	20	23	Pan.	Maritime Trad. Co.	Lisbon, Portugal	S. Francisco, Cal.	Ballast	
Marchen Maersk	21	21	Dan.	A. P. Moller	Boston, Mass.	Hoilo, P. I.	General	6,372
Skogheim	20	21	Nor.	N. Atl. & Gulf S. S. Co.	Habana, Cuba	Pto. Chic'ma, Peru	Ballast	
San Simon	20	21	Amer.	Pac-Atl. S. S. Co.	Norfolk, Va.	San Diego, Calif.	General	4,616
Antietam <sup>1</sup>	21	21	Amer.	Shell Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Orazio <sup>2</sup>	20	21	Ital.	Italia Line	Genoa, Italy	Valparaiso, Chile	General	829
Disa	20	21	Swed.	Hind, Rolph & Co.	Maracaibo, Venez.	S. Francisco, Cal.	Ballast	
Ferngen <sup>2</sup>	21	22	Nor.	Fearnley & Eger	Galveston, Tex.	Yokohama, Japan	General	8,100
Sandpiper <sup>10</sup>	19		Amer.	U. S. Navy	Guant'mo, Cuba	Balboa, C. Z.	Ballast	
Ebba <sup>2</sup>	19		Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Col. Riche <sup>6</sup>	7		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow barge	
Caitness <sup>2</sup>	21	22	Brit.	Canadian Transp. Co.	Avonmouth, Eng.	Vancouver, B. C.	Ballast	
Perth <sup>12</sup>	22	22	Brit.	British Navy	High seas	High seas	Ballast	
Fjordaas <sup>1</sup>	21	22	Nor.	Eagle Oil Co.	Curacao, N.W.I.	S. Francisco, Cal.	Ballast	
California Star <sup>2</sup>	22	22	Brit.	Blue Star Line	Liverpool, Eng.	Vancouver, B. C.	Ballast	
El Oso <sup>1</sup>	22	28	Brit.	C. T. Bowring & Co.	Birkenhead, Eng.	Cabo B'co, Peru	Ballast	
Dona Aurora <sup>2</sup>	22	22	Amer.	De La Rama S.S. Co.	New York, N. Y.	Manila, P. I.	General	3,959
Point Judith	22	23	Amer.	Swayne & Hoyt	New Orleans, La.	Los Angeles, Cal.	General	6,933
Karpo <sup>2</sup>	21	22	Neth.	Royal Neth. S. S. Co.	Curacao, N. W. I.	B'ventura, Col.	General	524
Minnesota	22	23	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	3,182
J-52 <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Sambu <sup>2</sup>	21		Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pirre <sup>2</sup>	21		Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Indian Prince <sup>2</sup>	22	23	Brit.	Furness, Withy & Co.	London, England	S. Francisco, Cal.	Ballast	
Marore	22	23	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Kaimoku	22	23	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Seattle, Wash.	(16)	7,313
Montebello <sup>1</sup>	23	23	Amer.	Union Oil of Calif.	Boston, Mass.	Los Angeles, Cal.	Ballast	
West Portal	23	23	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Vancouver, B. C.	General	5,901
Arima Maru <sup>2</sup>	23	23	Jap.	Nippon Yusen Kaisha	Boston, Mass.	Moji, Japan	General	7,993
Santa Lucia	23	24	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	3,147
Norse Lady <sup>2</sup>	23	25	Nor.	Mitsubishi Shoji K.	Houston, Tex.	Yawata, Japan	Scrap steel	4,914
Bretwalda	23	24	Brit.	Mitchel Coutts	Cardiff, Wales	Vancouver, B. C.	Ballast	
Solheim <sup>1</sup>	24	24	Nor.	Mitsubishi S. S. Line	Corpus Ch'i, Tex.	Shimizu, Japan	Crude oil	11,902
W. S. Miller <sup>1</sup>	24	24	Amer.	Standard Oil of Calif.	Baltimore, Md.	S. Francisco, Cal.	Ballast	
Chloe	24	24	Greek	S. Afr. Dispatch Line	Immingham, Eng.	Vancouver, B. C.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Yacht. <sup>6</sup> Transport. <sup>10</sup> Mine sweeper. <sup>12</sup> Cruiser. <sup>13</sup> Re-named Ohio. <sup>14</sup> For bananas and return to Cristobal. <sup>15</sup> Wool, cotton, general. <sup>16</sup> Steel, corn, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nation-ality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Horace Luckenbach	24	24	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,544
Ophelia	24	25	Fr.	Co. Aux. de Nav.	La Pallée, Fr.	Cabo Bl'co, Peru.	Ballast	
Flomar	24	25	Amer.	Calmar Line	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	6,151
Telde	23	25	Hond.	United Fruit Co.	New Orleans, La.	La Libertad, Ecu.	General	1,672
Real 2	23	..	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Lt. Col. H. C. Schumm <sup>1</sup>	22	..	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow. barge	
Christos Marketos	24	25	Greek.	Mitsui Bussan Kaisha	Baltimore, Md.	Vancouver, B. C.	Scrap iron	7,120
Olympia 2	25	25	Dan.	Armorg.	New York, N. Y.	Vladiv'tok, Rus.	Mach., gen.	6,346
City of Joliet	25	25	Amer.	Chile Nit. Sales Corp.	New Orleans, La.	Tocopilla, Chile.	Ballast	
Lyras	24	25	Greek.	Asano Bussan Co.	Houston, Tex.	Yokohama, Japan	Scrap iron	7,707
Kirsten Maersk	25	25	Dan.	Goldtzt	Jacksonville, Fla.	Chicama, Peru.	Ballast	
Syros	25	25	Amer.	Chile Nit. Sales Corp.	New Orleans, La.	Chile	Ballast	
Nankai Maru 2	25	25	Jap.	Osaka Syosen Kaisya.	London, England	Dairen, China	(15)	9,043
Montanan	25	25	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,650
Pennsylvania Sun <sup>1</sup>	25	25	Amer.	Sun Oil Co.	Chester, Pa.	El Segundo, Cal.	Ballast	
Ada	25	25	Ital.	Imp. Nav. Com. Soc.	New York, N. Y.	Kobe, Japan	Scrap iron	7,074
Helga	25	25	Dan.	J. Lauritzen	New York, N. Y.	Valparaiso, Chile.	General	2,142
Manto 2	25	25	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	245
West Nilus	25	26	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	5,590
Fortuna 2	25	..	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Cacique	24	26	Amer.	Grace Line	Cristobal, C. Z.	Guayaquil, Ecu.	General	253
Eastern Trader	25	26	Amer.	Union Sulphur Co.	Galveston, Tex.	Seattle, Wash.	Sulphur	7,300
City of Los Angeles	26	27	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General	3,357
Armada 2	25	27	Brit.	American-Australian.	Philadelphia, Pa.	Fremantle, Aust.	General	5,735
Ferndiff	26	26	Nor.	Chile Nit. Sales Corp.	New Orleans, La.	Chile	Ballast	
F. J. Luckenbach	26	26	Amer.	Luckenbach Line	Houston, Tex.	Seattle, Wash.	General	4,922
Hoyanger 2	26	27	Nor.	Westfall, Larsen & Co.	Buenos Aires, Arg.	Seattle, Wash.	General	4,602
Emma Bakke 2	26	27	Nor.	Knutsen Line.	Kotka, Finland	Long Beach, Cal.	Wood pulp	6,197
Rita 1	26	..	Neth.	Cur. Scheepv. My.	Curacao, N.W.I.	Balboa, C. Z.	Fuel oil	3,903
Dimitros Chandris	27	27	Greek.	Mitsui Bussan Kaisha	Savannah, Ga.	Yawata, Japan	Scrap iron	6,836
Draco 2	25	27	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	28
Trajanus	21	27	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	West coast S. A.	General	1,762
Colombia 2	25	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	1,200
Wildwood	27	27	Amer.	Stauffer Chemical Co.	Pt. Sulphur, La.	Everett, Wash.	Sulphur	7,300
Idraet	27	28	Nor.	United Fruit Co.	New York, N. Y.	Quipos, C. R.	Pipe, gen.	1,072
Fairfield City	27	28	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Singapore, St. Set.	General	7,368
Sambu 2	25	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Chitre, R. P.	Cement	3
Porto Bello 3	27	27	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General	3
Ioannis Chandris	27	28	Greek.	Anglo-Can. S. S. Co.	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Lancaster	27	28	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Seattle, Wash.	General	8,198
Port Dunedin 2	27	29	Brit.	Port Line, Ltd.	New York, N. Y.	Brisbane, Aust.	General	8,518
American	28	28	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	Pipe, gen.	3,475
President Hayes	28	28	Amer.	Amer.-President Line.	Genoa, Italy	Round the world.	General	4,959
Nyugat	28	28	Hung.	Mitsubishi Shoji K.	Houston, Tex.	Yokohama, Japan	Scrap iron	7,028
Illinois	28	29	Amer.	States Marine Corp.	New Orleans, La.	Osaka, Japan.	Cotton, gen.	6,898
Azumasan Maru 2	28	29	Jap.	Mitsui Bussan Kaisha	New York, N. Y.	Yokohama, Japan	General	8,164
Kongo Maru 2	28	29	Jap.	Kokusa Kisen Kaisha	Pt. Alfred, Can.	Kobe, Japan	(16)	7,829
Ebba 2	26	..	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Carlos 5	26	..	Pan.	Carlos Ferrari	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Acacia 13	22	..	Amer.	U. S. Government.	San Juan, P. R.	Balboa, C. Z.	Ballast	
North Star 2	29	30	Amer.	Bu. of Indian Affairs	Boston, Mass.	Antarctic	Ship stores	2,000
Charles Christenson	28	29	Amer.	Arrow Line.	New York, N. Y.	Seattle, Wash.	General	2,779
Helene Kulkundis	29	29	Greek.	Swiss Government	Hull, England.	Valdivia, Chile.	Ballast	
Jacob Luckenbach	29	29	Amer.	Luckenbach Line	New Orleans, La.	Seattle, Wash.	General	4,361
Salvador	21	29	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	298
Istmo	29	29	Pan.	Colombiana Cabotajo	B'quilla, Col.	B'ventura, Col.	Salt, gen.	700
Port Fairy 2	29	29	Brit.	Port Line, Ltd.	London, England	Auckland, N. Z.	General	4,304
Hoegh Giant 1 2	28	29	Nor.	Mar. Panama	Houston, Tex.	Yokohama, Japan	Crude oil	15,002
Duquesne	29	29	Amer.	Chile Nit. Sales Corp.	New Orleans, La.	Tocopilla, Chile.	Ballast	
Mexican	29	30	Amer.	Amer.-Hawaiian Line.	Bridge'pt, Conn.	Portland, Oreg.	General	2,514
Sona 2	28	..	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real 2	28	29	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	35
Esso Balboa 1 2	29	30	Pan.	Standard Oil of N. J.	Copenhagen, Den.	Talara, Peru.	Ballast	
Kupa	29	30	J-Slav.	Chile Nit. Sales Corp.	Gulfpot, Miss.	Tocopilla, Chile.	Ballast	
Villager 2	30	..	Nor.	Interocean S. S. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Ruahine	30	1	Brit.	N. Z. Shipping Co.	Falmouth, Eng.	New Zealand	Ballast	
Choluteca	29	30	Amer.	United Fruit Co.	Pt. Arthur, Tex.	Corinto, Nic.	Gasoline, gen	1,127
Winslow 5	29	..	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Enoch 2	30	..	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>	Ballast	20
Pacific Reliance 2	30	1	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	2,043

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>13</sup> Lighthouse tender. <sup>14</sup> For bananas and return to Cristobal. <sup>15</sup> Steel, wire, general. <sup>16</sup> Steel, asbestos, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo		
					From—	For—	Nature	Long tons	
Vega	30	4	Amer.	U. S. Navy	Norfolk, Va.	Brem'ton, Wash.	General	3,412	
Nozima Maru <sup>2</sup>	1	1	Jap.	Nippon Yusen Kaisha	Liverpool, Eng.	Dairen, China	General	8,094	
Penelopi	1	1	Pan.	Mitsubishi Shoji K.	Pt. Arthur, Tex.	Osaka, Japan	Scrap iron	8,693	
Santa Barbara <sup>2</sup>	30	1	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,957	
Coloradoan	1	2	Amer.	Isthmian S. S. Lines.	Philadelphia, Pa.	Manila, P. I.	Coal	9,373	
J-71 <sup>5</sup>	1	2	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast		
St. Mihiel <sup>8</sup>	1	2	Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	Supplies	751	
Petter II <sup>1</sup>	1	2	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	Iquique, Chile	Fuel oil	9,573	
Hopecastle <sup>2</sup>	1	2	Brit.	Anglo-Can. S. S. Co.	Manchester, Eng.	Vancouver, B. C.	Ballast		
Peebles <sup>2</sup>	2	2	Brit.	Canadian Transp. Co.	Barry, England	Brit. Columbia	Ballast		
Dorothy Luckenbach	2	2	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,256	
Benjamin Franklin <sup>2</sup>	1	2	Nor.	Fred Olsen & Co.	Oslo, Norway	Seattle, Wash.	General	894	
Basilea <sup>1 2</sup>	2	3	Nor.	Standard Oil of N. J.	Oslo, Norway	S. Francisco, Cal.	Ballast		
Western Head	2	3	Brit.	Maritime Nav. Co.	St. Lucia, B.W.I.	Peruvian ports	Ballast		
Thalia	2	3	Greek	Hasegawa Boeki K.	Havre, France	Yokohama, Japan	Scrap iron	6,165	
San Mateo	2	3	Fr.	French Line	Boston, Mass.	Seattle, Wash.	General	2,943	
Alabama	2	3	Amer.	Amer.-Hawaiian Line	Elliot Ship. & Land Co.	Balboa, C. Z.	Ballast		
Fortuna <sup>3</sup>	2	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Enoch	2	3	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>	General	20	
Douro <sup>2</sup>	1	3	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Col.	General	320	
City of San Francisco	3	3	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	2,293	
Sage Brush	3	3	Amer.	Shepard S. S. Co.	Albany, N. Y.	Seattle, Wash.	General	4,757	
Svealand <sup>2</sup>	3	3	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast		
California	1	3	Amer.	States S. S. Co.	New York, N. Y.	Portland, Oreg.	Steel, gen	4,229	
Minerva <sup>2</sup>	2	3	Nor.	H. M. Wrangell & Co.	Norfolk, Va.	Antofagasta, Chile	Coke	4,474	
Point Caleta	2	3	Amer.	Union Sulphur Co.	Galveston, Tex.	Seattle, Wash.	Sulphur	6,950	
Anglo Canadian <sup>2</sup>	2	3	Brit.	Seaboard Ship. Co.	Liverpool, Eng.	Vancouver, B. C.	Ballast		
Sessa	2	3	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General	2,257	
Kailua	3	4	Amer.	Matson Nav. Co.	Baltimore, Md.	Honolulu, T. H.	General	3,963	
Triton <sup>2</sup>	3	3	Nor.	Wilh. Wilhelmson	Oslo, Norway	Kobe, Japan	Pulp, gen	8,841	
Santore	1	4	Amer.	Ore S. S. Corp.	Newp't News, Va.	Cruz Gr'de, Chile	Ballast		
Manto <sup>2</sup>	2	4	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	518	
Colombia <sup>2</sup>	2	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	400	
Evanthia	2	4	Greek	Chile Nit. Sales Corp.	Genoa, Italy	Chile	Ballast		
Sona <sup>2</sup>	2	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Pirre <sup>2</sup>	2	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Snippy <sup>13</sup>	1	2	Pan.	J. A. Barnett	Cristobal, C. Z.	Gatun, C. Z.	Ballast		
Tattnell <sup>9</sup>	11	10	Amer.	U. S. Navy	High seas				
Mount Myrto	12	3	4	Brit.	Mitsubishi Shoji K.	Tampa, Fla.	Yokohama, Japan	Phos. rock	6,878
Rodney Star	3	4	Brit.	Blue Star Line	London, England	Vancouver, B. C.	Ballast		
Oakmar	3	4	Amer.	Calmar Line	Philadelphia, Pa.	Seattle, Wash.	Steel, gen	8,641	
Steel Worker	3	4	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Calcutta, India	General	5,303	
Arizpa	3	4	Amer.	L. I. Mach. & Equip.	New York, N. Y.	Moji, Japan	Scrap iron	7,316	
H. D. Collier	3	4	Amer.	Standard Oil of Calif.	Providence, R. I.	Los Angeles, Cal.	General		
Cromarty <sup>2</sup>	4	4	Brit.	Seaboard Ship. Co.	Leith, Scotland	Vancouver, B. C.	Ballast		
Lexa Maersk <sup>2</sup>	4	5	Dan.	Maersk Line	Boston, Mass.	Cebu, P. I.	General	6,573	
Bill	4	5	Nor.	No. Pana Amer. Line	Mobile, Ala.	Salaverry, Peru	Ballast		
Sandpiper <sup>10</sup>	11	22	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Porto Bello <sup>2</sup>	12	4	4	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
John Bakke <sup>2</sup>	3	6	Nor.	Knutsen Line	Kotka, Finland	San Antonio, Chile	General	4,274	
Bear <sup>2</sup>	4	6	Amer.	Adm. R. E. Byrd	Norfolk, Va.	Antarctica	Ballast		
Ettrickbank <sup>2</sup>	4	6	Brit.	Bank Line	Tampico, Mexico	Adelaide, Aust.	General	8,306	
Archangelos	4	5	Greek	Chile Nit. Sales Corp.	Lake Charles, La.	Chile	Ballast		
Hertford	4	5	Brit.	Fed. Steam Nav. Co.	Falmouth, Eng.	New Zealand	Ballast		
Tampa <sup>2</sup>	5	6	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Manila, P. I.	General	4,767	
Steele	3	6	Amer.	Ore S. S. Corp.	Norfolk, Va.	Cruz Gr'de, Chile	Ballast		
George M. Livanos	4	6	Greek	N. G. Livanos	Amsterdam, Neth.	Tocopilla, Chile	Ballast		
Mussolini <sup>2</sup>	4	6	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
San Vicente	5	6	Amer.	Pac.-Atlantic S.S. Co.	Albany, N. Y.	Portland, Oreg.	General	6,415	
Argual	5	10	Hond.	United Fruit Co.	Baltimore, Md.	Pto. Arm'les, R.P.	Ballast		
Kentucky	5	6	Amer.	Isthmian S. S. Lines.	New Orleans, La.	Honolulu, T. H.	(15) Gasoline	7,606	
Akebono Maru <sup>1 2</sup>	5	6	Jap.	Nippon Kaun Co.	CorpusChr'ti, Tex	Yokohama, Japan	Gasoline	11,251	
La Paz <sup>2</sup>	6	7	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Iquique, Chile	Coal	7,721	
Birmingham City	6	6	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Seattle, Wash.	Steel prod.	4,745	
Tresilian	6	6	Brit.	Hain S. S. Co.	Cardiff, Wales	Vancouver, B. C.	Ballast		
Silver Laurel <sup>2</sup>	6	6	Brit.	Kerr S. S. Co.	New York, N. Y.	Hongkong, China	Steel, gen	3,556	
Georgian	6	6	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,063	
Nicolaou Virginia	6	7	Greek	Mitsui Line	New York, N. Y.	Yokohama, Japan	Scrap iron	9,037	
Sona <sup>2</sup>	5	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Sambu <sup>2</sup>	5	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Ebba <sup>2</sup>	5	7	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Thurland Castle <sup>2</sup>	6	7	Brit.	Barber Line	New York, N. Y.	Moji, Japan	General	7,715	
Kumikawa Maru <sup>2</sup>	6	7	Jap.	Kawasaki Kisen K.	New York, N. Y.	Osaka, Japan	(16) General	8,402	
Ida Bakke <sup>2</sup>	7	7	Nor.	Knutsen Line	Goth'burg, Swe.	Los Angeles, Cal.	Ballast		
Tungsha <sup>2</sup>	7	7	Nor.	Continental Grain Co.	New York, N. Y.	Vladiv'lock, Rus.	(17) General	9,933	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Transport. <sup>6</sup> Destroyer. <sup>7</sup> Mine sweeper. <sup>8</sup> Sailboat. <sup>9</sup> For bananas and return to Cristobal. <sup>10</sup> Steel, corn, general. <sup>11</sup> Lead, cotton, general. <sup>12</sup> Copper, machinery.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Piako	6	7	Brit.	N. Z. Shipping Co.	Newp't, England.	Sydney, Aust.	General	4,393
Pereira	4	8	Pan.	Grace Line	Cristobal, C. Z.	Champico, Guat.	General	1,109
West Notus	6	8	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	Steel, gen.	5,057
Maroussio Legothetis	7	8	Greek	Chile Nit. Sales Corp.	Genoa, Italy	Chile	Ballast	.....
Wyoming	7	8	Fr.	French Line	Havre, France	Vancouver, B. C.	General	2,206
Real <sup>2</sup>	5	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	40
Nordhval <sup>2</sup>	7	8	Dan.	Chile Nit. Sales Corp.	Norfolk, Va.	Tocopilla, Chile	Ballast	.....
Laguna <sup>2</sup>	7	9	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile	General	3,224
Imperial <sup>2</sup>	7	8	Chile	Sud Am. de Vapores	New York, N. Y.	Valparaiso, Chile	General	2,539
North Haven	7	8	Amer.	Northland Tran. Co.	Boston, Mass.	Seattle, Wash.	Tin, steel	5,493
North Wind	7	9	Amer.	Northland Tran. Co.	Baltimore, Md.	Seattle, Wash.	Tinplate	3,135
Anna N. Goulardis	7	8	Greek	Chile Nit. Sales Corp.	Marseille, France	Chile	Ballast	.....
Cathwood <sup>1</sup>	8	8	Amer.	Union Oil of Calif.	Savannah, Ga.	Los Angeles, Cal.	Ballast	.....
Tanja	8	8	Dan.	J. Lauritzen	Galveston, Tex.	Pt. Alice, B. C.	Sulphur	2,000
Astoria <sup>2</sup>	8	8	Dan.	Steamship Co., Or'nt.	Baltimore, Md.	Yawata, Japan	Scrap steel	7,849
Bonham <sup>13</sup>	7	9	Amer.	U. S. Government	Baltimore, Md.	Seattle, Wash.	Ballast	.....
Indiannan	7	9	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile	Steel, gen.	4,829
Socrates <sup>2</sup>	4	9	Neth.	Royal Neth. S. S. Co.	Curacao, N.W.I.	Corral, Chile	General	2,944
Col. Riche <sup>5</sup>	7	9	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge	.....
Orotava	7	9	Hond.	United Fruit Co.	New Orleans, La.	La Union, Salv.	Cement, gen.	1,700
Westralia <sup>2</sup>	8	9	Dan.	Westralian Farmers	Liverpool, Eng.	Townsend, Aust.	Ballast	.....
West Ekonk	8	9	Amer.	Chile Nit. Sales Corp.	New Orleans, La.	Chile	Ballast	.....
Brattad <sup>2</sup>	8	9	Nor.	Westralian Farmers	Dublin, Ireland	Los Angeles, Cal.	Ballast	.....
Susan V. Luckenbach	9	9	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,147
Sutherland	9	9	Amer.	Alaska S. S. Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	.....
Illinoian	9	9	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	2,690
Nero <sup>2</sup>	2	9	Neth.	Royal Neth. S. S. Co.	P. Barrios, Guat.	B'ventura, Col.	General	109
Kalypso Vergotti	9	9	Greek	Mitsui & Co.	New York, N. Y.	Yokohama, Japan	Scrap iron	7,255
Ino <sup>2</sup>	8	9	Neth.	Royal Neth. S. S. Co.	Cartagena, Col.	Guayaquil, Ecu.	General	336
Tudor Star	9	10	Brit.	Blue Star Line	Newcastle, Eng.	Vancouver, B. C.	Ballast	.....
Kentuckian	9	10	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Tacoma, Wash.	General	2,314
Fortuna <sup>2</sup>	9	10	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
City of Norfolk	10	10	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	3,199
Nemours <sup>2</sup>	1	10	Fr.	French Line	Pt. Limon, C. R.	Guayaquil, Ecu.	General	63
Colombia <sup>2</sup>	7	10	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	1,400
Draco <sup>2</sup>	3	10	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	349
Huzisan Maru <sup>1 2</sup>	9	10	Jap.	Iino Shoji Co.	Tuxpan, Mexico	Tokuyama, Japan	Crude oil	11,883
Pennsylvania	10	10	Amer.	Pac. Coast Dir. Line	Newark, N. J.	Seattle, Wash.	Steel, autos.	5,779
Beaulieu <sup>1 2</sup>	10	10	Nor.	Standard Oil of N. J.	S. Nicolas, N.W.I.	SanAntonio, Chile	Fuel oil	8,816
Wichita <sup>2</sup>	10	10	Amer.	Roosevelt S. S. Co.	New York, N. Y.	Premantle, Aust.	General	5,235
Tanimbar <sup>2</sup>	9	10	Neth.	St. Cy. Nederland	New Orleans, La.	Los Angeles, Cal.	Ballast	.....
Col. Riche <sup>5</sup>	8	10	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Zjawa <sup>5</sup>	8	10	Amer.	C. B. Benfield	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....

## PACIFIC TO ATLANTIC

Point Caleta	9	11	Amer.	Swayne & Hoyt	Portland, Oreg.	New Orleans, La.	Lumber, gen.	7,458
Firmore	10	11	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,500
Maimoa	11	12	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	United Kingdom	General	7,846
Oreman	10	11	Amer.	Calmar Line	Marshfield, Oreg.	New York, N. Y.	Lumber	7,459
Herman F. Whiton	10	11	Amer.	Dutton Lumber Corp.	Tacoma, Wash.	Po'keepsie, N. Y.	Lumber	7,250
Port Montreal <sup>2</sup>	10	11	Brit.	M. A. N. Z. Line	Auckland, N. Z.	Halifax, N. S.	(14)	3,849
Seebeli <sup>2</sup>	10	11	Nor.	Fred Olsen Line	Everett, Wash.	Rio de Janeiro	Wood pulp	2,268
Neosho <sup>1</sup>	10	11	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	Ballast	.....
Point Clear	10	11	Amer.	Gulf-Pacific Line	Longview, Wash.	Tampa, Fla.	(15)	5,764
Kupa	10	12	J-Slav.	Chile Nit. Sales Corp.	Tocopilla, Chile	Gulfport, Miss.	Nitrate	7,930
Bodegraven	10	11	Neth.	Royal Neth. S. S. Co.	Valparaiso, Chile	Jacksonville, Fla.	General	8,329
Anchangelos	11	12	Greek	Chile Nit. Sales Corp.	Tocopilla, Chile	Lake Charles, La.	Nitrate	9,062
Sambu <sup>2</sup>	11	13	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	0,60
Real <sup>2</sup>	11	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	37
Sona <sup>2</sup>	11	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	37
Woodeok <sup>4</sup>	11	12	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	Ballast	.....
Pennsylvania Sun <sup>1 2</sup>	11	12	Amer.	Sun Oil Co.	El Segundo, Calif.	Marcus Hook, Pa.	Gasoline	17,512
Talaralite <sup>1</sup>	10	12	Brit.	Imperial Oil Ship. Co.	Talara, Peru	Aruba, N. W. I.	Naphtha	3,080
Silverwillow <sup>2</sup>	11	13	Brit.	Kerr S. S. Co.	Manila, P. I.	Beira, E. Africa	(16)	6,629
Istmo	11	13	Pan.	Elliot Ship. & Land Co.	Tumaco, Colom.	Cristobal, C. Z.	(17)	156
Europa <sup>2</sup>	11	12	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	General	9,570
Manto <sup>2</sup>	12	13	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	(18)	366
Fjordaas <sup>2</sup>	11	12	Nor.	Eagle Oil Co.	Los Angeles, Cal.	Curacao, N.W.I.	Kerosene	10,283
Jeff Davis <sup>2</sup>	11	13	Amer.	Roosevelt S. S. Co.	Saigon, In.-China	Baltimore, Md.	(19)	7,864

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>13</sup> Patrol boat. <sup>14</sup> Wool, pelts, tallow.  
<sup>15</sup> Lumber, sugar, general. <sup>16</sup> Lumber, machinery, general. <sup>17</sup> Ivory nuts, coffee. <sup>18</sup> Rice, coffee, rubber. <sup>19</sup> Rice, sugar, ore.



PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Cacique	12	14	Amer.	Grace Line	Guayaquil, Ecua.	Cristobal, C. Z.	General	996
Viva	12	12	Nor.	Procter & Gamble	Legaspi, P. I.	New Orleans, La.	Copra	6,400
Loch Dee	12	13	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	United Kingdom	Lumber	7,547
Mussolini <sup>2</sup>	12	14	Pan.	E. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	7,78
Ebba <sup>2</sup>	12	15	Pan.	H. Obarrio	El Real, R. P.	Cristobal, C. Z.	Bananas	43
Lewis Luckenbach	12	13	Amer.	Luckenbach Line	Townsend, Wash.	Boston, Mass.	Lumber, gen.	12,300
Norvik <sup>1</sup>	12	13	Pan.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	(13)	14,448
Sutherland	12	13	Amer.	Grace Line	San Antonio, Chile	Baltimore, Md.	Copper	6,250
Forbes Hauptman	13	13	Amer.	McCormick S. S. Co.	Townsend, Wash.	N. London, Conn.	Lumber, gen.	7,792
Egyptian Reefer <sup>2</sup>	12	13	Dan.	J. Lauritzen	Vancouver, B. C.	Glasgow, Scot.	Fruit	1,125
Mostun	13	13	Nor.	Neptune Ship. Co.	S. Francisco, Cal.	Antwerp, Belgium	General	2,913
Oakworth	13	14	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Cardiff, Wales	(14)	7,510
Hokkai Maru <sup>2</sup>	13	14	Jap.	Osaka Syosen Kaisya	Dairen, China	Antwerp, Belgium	General	6,859
Svealand <sup>2</sup>	13	14	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,600
Scottish Monarch	13	14	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	United Kingdom	(15)	7,597
Mahinahr	13	14	Amer.	Matson Nav. Co.	Hilo, T. H.	Baltimore, Md.	Sugar, pines.	8,422
Fortuna <sup>2</sup>	14	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	75
Carolinian	13	14	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,801
Misoa <sup>2</sup>	11	14	Brit.	Lago Shipping Co.	Balboa, C. Z.	Curacao, N. W. I.	Ballast	
Crawford Ellis	14	14	Nor.	United Fruit Co.	Quipos, C. R.	Almirante, R. P.	Ballast	
Point Palmas	13	14	Amer.	Gulf-Pacific Line	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	5,429
Lena Luckenbach	13	14	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	7,106
Hefron	14	14	Amer.	Weyerhaeuser S.S. Co.	Seattle, Wash.	Norfolk, Va.	Lumber, gen.	9,551
Llanishen	14	14	Brit.	Anglo-Can. S. S. Co.	N. Westm'er, B. C.	Avon'm'th, Eng.	(16)	8,000
Pacific Grove <sup>2</sup>	14	15	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General	8,997
Fowberry Tower	14	15	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Hull, England	Lum., grain	7,990
Balla <sup>2</sup>	14	15	Nor.	Smith & Johnson	Yavaros, Peru	New York, N. Y.	Chick peas	4,528
San Anselmo	14	15	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	General	9,628
Santa Barbara <sup>2</sup>	15	15	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	4,845
Arimasan Maru <sup>2</sup>	14	15	Jap.	Mitsui Senpakubu.	Manila, P. I.	Baltimore, Md.	General	7,812
Ohioan	15	15	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	7,322
City of Norfolk	15	17	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	6,684
Ellery W. Niles <sup>11</sup>	16	17	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Imperial <sup>2</sup>	15	16	Chile.	Cia. Sud Amer. de Vap.	Talcahuano, Chile	New York, N. Y.	Frozen, gen.	4,196
Nemours <sup>2</sup>	15	17	Fr.	French Line	Tumaco, Col.	Cristobal, C. Z.	Coffee, hides	87
Margaret Johnson <sup>2</sup>	16	17	Swed.	Johnson Line	Seattle, Wash.	Goth'burg, Swed.	General	4,877
K. R. Kingsbury <sup>1</sup>	16	16	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Baltimore, Md.	Asphalt	11,346
Yearby	16	17	Brit.	Ropner Shipping Co.	N. Westm'er, B. C.	England	Lumber, gen.	8,614
Douro <sup>2</sup>	16	18	Neth.	W. I. Scheep Maat' h	Callao, Peru	Cristobal, C. Z.	Ballast	
Goonawarra <sup>2</sup>	16	17	Swed.	Transatlantic S.S. Co.	Mackay, Austr'lia	Halifax, Canada	Sugar	6,610
Neraskan	16	17	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	9,311
Martin Bakke <sup>2</sup>	16	17	Nor.	Knutsen Line	N. Westm'er, B. C.	Belfast, Ireland	Lumber, gen.	7,871
Orestes	16	17	Neth.	Royal Neth. S. S. Co.	Mazatlan, Mex.	New York, N. Y.	Chick peas	4,214
Nordhav <sup>1</sup>	17	17	Dan.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Norfolk, Va.	Nitrate	8,000
San Angelo	17	17	Amer.	Quaker Line	Seattle, Wash.	Philadelphia, Pa.	Gen., lumber	8,001
Lillian Luckenbach	17	17	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Gen., lumber	9,802
Luna <sup>2</sup>	17	17	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(17)	15
Chaumont <sup>8</sup>	16	20	Amer.	U. S. Navy	S. Francisco, Cal.	Norfolk, Va.	General	504
Ciss	17	20	Nor.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	924
H. D. Collier	17	18	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Providence, R. I.	Furnace oil	11,621
Fernwood	18	18	Nor.	Fearnley & Eger	Masinfco, P. I.	Chester, Pa.	Chrome ore	7,800
Caldas <sup>9</sup>	10	18	Colom.	Colombian Govt.	Balboa, C. Z.	Cartagena, Col.		
Lundy <sup>2</sup>	11	19	Dan.	Motortramp Stensved	Ocean Is., S. Pac.	Landskrona, Swed	Phosphate	6,425
Draco <sup>2</sup>	17	20	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Rubber, gen.	5,550
Colombia <sup>2</sup>	18	20	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	1,176
Rialto <sup>2</sup>	18	19	Ital.	Italian Line	Vancouver, B. C.	Trieste, Italy	General	7,974
Real <sup>2</sup>	18	20	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	40
Sona <sup>2</sup>	18	20	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	40
Akebono Maru <sup>1 2</sup>	18	19	Jap.	Nippon Kaiun Kaisha	S. Francisco, Cal.	Curacao, N. W. I.	Gasoline	11,888
Rita <sup>1</sup>	17	19	Neth.	Cur. Scheep My.	Balboa, C. Z.	Curacao, N. W. I.	Ballast	
Polartank <sup>1 2</sup>	18	19	Nor.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	(18)	9,956
El Grillo <sup>1</sup>	18	19	Brit.	C. T. Bowring & Co.	LaLibertad, Ecua.	France	Crude oil	9,594
Arizona	18	20	Fr.	French Line	Valparaiso, Chile.	Havre, France	Nit., gen.	7,029
Nero <sup>2</sup>	19	20	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	(19)	373
Willmoto <sup>2</sup>	18	19	Amer.	Arrow Line	Portland, Oreg.	Baltimore, Md.	Lumber	7,930
Ebba <sup>2</sup>	19	21	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	15
Yamazato Maru <sup>2</sup>	18	20	Jap.	Yamashita Line	Kobe, Japan	Buenos Aires, Arg.	General	4,681
Mussolini <sup>2</sup>	19	21	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	60
Texmar	19	19	Amer.	Calmar S. S. Corp.	Seattle, Wash.	Philadelphia, Pa.	Lumber	7,452
Nuevo Panama <sup>2</sup>	19	20	Pan.	Cia. Colombiana Cab.	B'ventura, Col.	Cristobal, C. Z.	Coffee	212
Wyvern	20	21	Nor.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Durban, S. Afr.	Lumber	5,127
Samuel Bakke <sup>2</sup>	20	21	Nor.	Knut Knutsen O.A.S.	Valparaiso, Chile.	Copenhagen, Den.	(20)	7,197
Santa Inez <sup>2</sup>	20	21	Amer.	Grace Line	Chanaral, Chile.	New York, N. Y.	General	3,441
Salvador	20		Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	General	4
Chilore	21	21	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,000

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Transport. <sup>4</sup> Destroyer. <sup>5</sup> Mine planter. <sup>6</sup> Kerosene, gas oil. <sup>7</sup> Wheat, lead, lumber. <sup>8</sup> Lumber, wood pulp. <sup>9</sup> Lead, lumber, canned goods. <sup>10</sup> Plantains, lumber. <sup>11</sup> Kerosene distillate, carbon. <sup>12</sup> Coffee, hides, general. <sup>13</sup> Oil cakes, beans, lead.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Vinni <sup>2</sup>	20	21	Nor.	Procter & Gamble	Zamboanga, P. I.	Baltimore, Md.	Copra	7,402
Susan Maersk	21	22	Dan.	Polaris S. S. Co.	Los Angeles, Cal.	St. John, N. B.	Potash	3,587
Trajanus	21	27	Neth.	Royal Neth. S. S. Co.	Valparaiso, Chile.	Cristobal, C. Z.	Barley	2,427
Nosiro Maru <sup>2</sup>	21	22	Jap.	Nippon Yusen Kaisha	Shanghai, China.	New York, N. Y.	Silk, gen.	4,828
Kirisima Maru <sup>2</sup>	21	22	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	New York, N. Y.	General.	8,576
Fortuna <sup>2</sup>	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	70
W. R. Keever	21	21	Amer.	Dutton Lumber Corp.	Everett, Wash.	New York, N. Y.	Lumber	7,500
Pirre <sup>2</sup>	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Sambu <sup>2</sup>	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	63
Irene S. Embricos	21	22	Greek.	Chile Nit. Sales Corp.	Antofagasta, Chile	Azores <sup>15</sup>	Nitrate	7,357
Lt. Col. H. C. Schumm <sup>4</sup>	22	24	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Sandpiper <sup>4</sup>	22	22	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Hannington Court	22	22	Brit.	Canadian Transp. Co.	Vancouver, B. C.	United Kingdom.	(14)	9,200
Oropesa	22	23	Brit.	Pacific Steam Nav. Co.	Valparaiso, Chile.	United Kingdom.	(15)	7,435
Damsterdijk <sup>2</sup>	22	23	Neth.	N. Pac. Coast Line	Vancouver, B. C.	Rotterdam, Neth.	(16)	10,356
Far	22	23	Nor.	N. Atl. & Gulf S. S. Co.	Salaverry, Peru.	Savannah, Ga.	Raw sugar	3,864
Orotava	23	23	Hond.	United Fruit Co.	Amapala, Hond.	New Orleans, La.	(17)	730
Floridian	23	23	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	8,296
Sophocles <sup>2</sup>	23	24	Nor.	Isbrandtsen Moller.	Singapore, St. Set	Baltimore, Md.	General.	5,455
Australien <sup>2</sup>	23	24	Dan.	East Asiatic Co.	Bangkok, Siam.	Nuevitas, Cuba.	Rice, pepper.	4,669
Breda	23	24	Neth.	Chile Nit. Sales Corp.	Valparaiso, Chile.	Boston, Mass.	Saltpeter.	8,923
Real <sup>2</sup>	23	24	Pan.	Elliot Ship. & Land Co.	Panama, R. P.	Cristobal, C. Z.	Drums	30
Cathwood <sup>1</sup>	23	24	Amer.	Union Oil of Calif.	Pt. San Luis, Calif.	Savannah, Ga.	Crude oil	9,332
Marua	23	24	Dan.	J. Lauritzen	Salaverry, Peru.	New York, N. Y.	Nit., bran.	2,647
American Reefer.	24	24	Dan.	J. Lauritzen	Cowichan, Peru.	Barbados, B. W. I.	Lumber, gen.	2,380
Manto	24	25	Neth.	Nv W. I. Scheepvaart	Guayaquil, Ecu.	Cristobal, C. Z.	(18)	344
Arkansan	24	24	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	7,916
Medon <sup>2</sup>	24	24	Brit.	Alfred Holt & Co.	Kushiro, Japan	Liverpool, Eng.	Salmon	7,076
Oklahoman	24	25	Amer.	Chile Exploration Co.	Antofagasta, Chile	New York, N. Y.	Copper	7,500
Cacique	24	26	Amer.	Grace Line	Guayaquil, Ecu.	Cristobal, C. Z.	(19)	1,263
Susana <sup>5</sup>	24	24	Amer.	R. McKewen	Balboa, C. Z.	Cristobal, C. Z.	Ballast	11
Luna <sup>2</sup>	24	24	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Plantains	11
Southern Prince <sup>2</sup>	24	25	Brit.	Prince Line, Ltd.	Portland, Oreg.	London, England	General.	6,590
Ivaran <sup>2</sup>	25	26	Nor.	De La Rama S.S. Co.	Masinflo, P. I.	New York, N. Y.	(20)	8,165
Colombia <sup>2</sup>	25	27	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	1,264
Draco <sup>2</sup>	25	27	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	393
Sambu <sup>2</sup>	25	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	62
Gretchen D. <sup>5</sup>	25	25	Amer.	Wm. Diez	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Washington	25	26	Amer.	States S. S. Co.	Portland, Oreg.	New York, N. Y.	Lumber	7,671
San Clemente	26	26	Amer.	Calif. & Eastern Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	8,073
Ebba <sup>2</sup>	26	28	Pan.	Henry Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	55
Mussolini <sup>2</sup>	26	28	Pan.	Henry Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	78
Scottish Star	26	26	Brit.	Blue Star Line	Vancouver, B. C.	United Kingdom.	(21)	6,886
Aconagua <sup>2</sup>	26	26	Chile.	Cia Sud Amer. de Vap	Valparaiso, Chile.	New York, N. Y.	General	2,113
Lawrence <sup>9</sup>	24	27	Amer.	U. S. Navy	San Diego, Calif.	Cristobal, C. Z.		
King <sup>9</sup>	24	27	Amer.	U. S. Navy	San Diego, Calif.	Guantanamo Bay		
Point Ancha	26	27	Amer.	Swayne & Hoyt	Seattle, Wash.	New Orleans, La.	General	5,495
Takaoka Maru	27	28	Jap.	Nippon Yusen Kaisha	Woosung, China	Boston, Mass.	(22)	5,039
Karnt <sup>2</sup>	27	27	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Pensacola, Fla.	Nit. of soda	8,880
Akara	26	27	Brit.	Shaw, Savill & Albion	Wellington, N. Z.	London, England	Frozen, gen.	5,700
Drechttdijk <sup>2</sup>	27	28	Neth.	Holland-Amer. Line.	Vancouver, B. C.	Rotterdam, Neth.	Wheat, gen.	9,872
Ottawa <sup>9</sup>	27	27	Brit.	Canadian Govt.	Esquimalt, B. C.	Balboa <sup>13</sup>		
Restigouche <sup>9</sup>	27	27	Brit.	Canadian Govt.	Esquimalt, B. C.	Balboa <sup>13</sup>		
City of Baltimore	27	28	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	5,073
Huzisan Maru <sup>1</sup>	27	28	Jap.	Iino-Shozi Kaisha, Ltd.	Corinto, Nic.	Tuxpan, Mexico.	Ballast	37
Sjerneborg <sup>2</sup>	27	28	Dan.	C. K. Hansen	Chemainus, B. C.	Boston, Mass.	Lumber	7,500
Raneagua <sup>1</sup>	25	28	Chile.	Chilean Navy	Valparaiso, Chile.	Tampico, Mexico	Ballast	
Conte Grande	28	29	Ital.	Italian Line.	SanAntonio, Chile	Genoa, Italy	Copper, gen.	3,097
Pomona	27	28	Amer.	Weyerhaeuser S. S. Co.	Everett, Wash.	Baltimore, Md.	Lumber, gen.	10,727
Fortuna <sup>2</sup>	27	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	80
Drava	22	29	J.-Slav.	Essex Line, Ltd.	Eten, Peru	Cork, Ireland	Sugar	5,720
Mathew Luckenbach.	28	28	Amer.	Luckenbach Gulf Co.	Portland, Oreg.	Tampa, Fla.	General	5,713
Tolken	28	29	Swed.	Transatlantic S. S. Co.	Pt. Pirie, Aust.	United Kingdom.	Copra, gen.	7,413
Sona <sup>2</sup>	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	37
Real <sup>2</sup>	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	37
Rita <sup>1</sup>	27	29	Neth.	Cur. Scheepv. My.	Balboa, C. Z.	Curacao, N.W.I.	Ballast	
Queen Adelaide <sup>2</sup>	28	29	Brit.	Lavino Shipping Co.	Baltimore, Md.	Baltimore, Md.	Chrome ore.	8,550
City of Dulhart <sup>2</sup>	28	29	Amer.	Roosevelt S. S. Co.	Iloilo, P. I.	New York, N. Y.	(23)	4,934
Santa Clara	29	29	Amer.	Grace Line	SanAntonio, Chile	New York, N. Y.	General	5,678
Perth <sup>12</sup>	29	29	Brit.	British Government.	High seas.	High seas		
Fernmoor <sup>2</sup>	28	29	Nor.	Fern Line	Cebu, P. I.	Philadelphia, Pa.	(24)	7,400
Walter A. Luckenbach.	29	29	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	8,087
Macabi	29	29	Pan.	United Fruit Co.	Golfoito	Boston, Mass.	Pipe, fittings	800

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Tug. <sup>4</sup> Launch. <sup>5</sup> Destroyer. <sup>6</sup> Cruiser. <sup>7</sup> For orders. <sup>8</sup> Lumber, canned goods. <sup>9</sup> Cotton, tin, nitrate, general. <sup>10</sup> Grain, canned goods, airplanes. <sup>11</sup> Bullion, drums, bananas. <sup>12</sup> Ivory nuts, coffee. <sup>13</sup> Coffee, ivory nuts, rubber. <sup>14</sup> Ore, sugar, general. <sup>15</sup> Fruit, metal, general. <sup>16</sup> Wood oil, fish meal. <sup>17</sup> Sugar, ore, hemp. <sup>18</sup> Copra, chrome ore.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Steel Exporter	30	30	Amer.	Isthmian S. S. Lines.	Honolulu, T. H.	Baltimore, Md.	(15)	8,168
Pacific Exporter 2	30	30	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General.	8,449
Nolisement	30	2	Brit.	Morel, Ltd., London.	Suva, Fiji Is.	United Kingdom.	Sugar, pines.	8,060
Vernon City	30	1	Brit.	Seaboard Lumber Co.	N. Westmer, B. C.	United Kingdom.	Lum., lead.	7,800
Penmar	30	1	Amer.	Calmar S. S. Corp.	Tacoma, Wash.	Baltimore, Md.	Copper, lum.	7,250
Curaca	1	1	Amer.	Grace Line	S. Francisco, Cal.	Baltimore, Md.	Conc., hooves	4,634
Douro	30	3	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(16)	483
Ward 2	30	1	Amer.	Barber-Wilhelmson	Manila, P. I.	Norfolk, Va.	General.	7,457
Steel Trader	1	1	Amer.	Isthmian S. S. Lines.	Manila, P. I.	Baltimore, Md.	General.	8,376
Kimikawa Maru 2	1	1	Jap.	Kawasaki K. Kaisha.	San Miguel	Houston, Tex.	Ore, gen.	7,269
San Diego	1	2	Fr.	French Line	Portland, Oreg.	Havre, France	General.	5,830
Porto Bello 2	1	4	Pan.	A. Tagaropulos.	Darien, R. P.	Colon, R. P.	(17)	18
Manto 2	1	3	Neth.	W. Ind. Scheepvaart.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	540
Colombia 2	2	3	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	1,248
Hawaiian	2	2	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	6,466
Sands 9	2	2	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Sona 2	2	3	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	25
Pirre 2	2	3	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Tai Yang 2	30	2	Nor.	Barber-Wilhelmson	Manila, P. I.	Norfolk, Va.	General.	7,457
Kaikoura 2	2	3	Brit.	M. A. N. Z. Line	Adelaide, Aust.	St. John, Can.	General.	6,425
Annitza	2	3	Greek.	Chile Nit. Sales Corp.	Antof gasta, Chile	Charleston, S. C.	Nitrate	7,758
Ebba 2	3	6	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Sanuki Maru 2	3	4	Jap.	Nippon Yusen Kaisya	Dairen, China	Rotterdam, Neth.	(18)	7,467
Draco 2	3	10	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides.	397
St. Mihiel 8	1	4	Amer.	U. S. Army	Balboa, C. Z.	New York, N. Y.	General.	199
Laura Maersk 2	3	5	Dan.	Maersk Line	Manila, P. I.	Baltimore, Md.	General.	6,407
Marija Petrinovic	3	4	Y-Slav	Chile Nit. Sales Corp.	Tocopilla, Chile.	Gibraltar 14	Nitrate	8,120
Musulini 2	4	5	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	85
Pereira	3	7	Pan.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General.	1,217
Ludington 8	30	9	Amer.	U. S. Army	Honolulu, T. H.	New York, N. Y.	General.	849
Plato 2	3	5	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Barranquilla, Col.	Rice, coffee.	500
Pygmalion 2	4	7	Neth.	Royal Neth. S. S. Co.	Valparaiso, Chile.	Curacao, N.W.I.	General.	2,903
Karpo 2	4	7	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Barranquilla, Col.	Rice, general	384
De Soto	4	4	Amer.	Sudden & Christenson	Los Angeles, Cal.	New York, N. Y.	Lumber.	7,816
McLeish 9	4	5	Amer.	U. S. Navy	San Diego, Calif.	High seas		
San Felipe	4	4	Amer.	Quaker Line	Longview, Wash.	Philadelphia, Pa.	(19)	8,677
Rangitiki 2	3	5	Brit.	U. S. Shipping Co.	Wellington, N. Z.	London, England	Meat, gen.	5,835
Lebore	5	5	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,300
Capella 1 2	4	4	Swed.	Shell Oil Co.	Los Angeles, Cal.	Curacao, N.W.I.	Gas oil	14,148
Ophelie 1	4	5	Fr.	Cie. Aux. de Nav.	Lobitos, Peru.	Donges, France.	Crude oil.	7,952
Columbia Star 2	4	5	Brit.	Blue Star Line	Victoria, B. C.	Liverpool, Eng.	Frozen, gen.	7,550
Fortuna 2	5	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	75
William Luckenbach	4	5	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General.	8,361
Paula	4	6	Dan.	West Coast Line	Valparaiso, Chile.	New York, N. Y.	Ore, gen.	2,515
Vermar	4	5	Amer.	Calmar S. S. Corp.	Aberdeen, Wash.	Providence, R. I.	(20)	7,710
Nevadan	4	5	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	7,757
Acajutla	5	1	Brit.	Pacific Steam Nav.Co.	Champ'ico, Guat.	Cristobal, C. Z.	Coffee, gen.	120
Kingasa Maru 2	4	6	Jap.	Kokusai K. Kaisha.	Penang, St. Set.	New York, N. Y.	General.	5,846
Sambu 2	5	6	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	58
Real 2	5	7	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Sona 2	5	6	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	20
Moscha L. Goulandris	5	6	Greek.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Panama City, Fla.	Nitrate	7,740
Mosli 1 2	2	6	Nor.	Petroleos Mexicanos.	Guayamas, Mex.	Aruba, N.W.I.	Ballast	
West Camargo	5	6	Amer.	McCormick S. S. Co.	Seattle, Wash.	Buenos Aires, Arg.	General.	6,518
Istmo	5	5	Colom.	Colombiana Cabotaje.	B'ventura, Col.	Cristobal, C. Z.	Coffee	745
Vojvoda Putnik	5	6	Y-Slav	Chile Nit. Sales Corp.	Taltal, Chile	Gibraltar 14	Nitrate	8,750
Steel Navigator	6	7	Amer.	Isthmian S. S. Lines.	Indo-China	Baltimore, Md.	(21)	8,121
Boris	6	6	Greek.	Chile Nit. Sales Corp.	Iquique, Chile	Alexandria, Egypt	Nitrate	7,448
Acaeia 13	6	7	Amer.	U. S. Government	Cap Mala, R. P.	Cristobal, C. Z.		
Idraet	6	7	Nor.	W. I. Fruit & S. S. Co.	Pto. Arm'les, R. P.	Bluefields, Nic.	Ballast	
Santa Maria	6	7	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General.	5,004
Lea 9	5	8	Amer.	U. S. Government	U. S. West coast	U. S. Atl. coast		
Buchanan 9	5	8	Amer.	U. S. Government	U. S. West coast	U. S. Atl. coast		
Twiggs 9	6	8	Amer.	U. S. Government	U. S. West coast	U. S. Atl. coast		
Wickes 9	6	8	Amer.	U. S. Government	U. S. West coast	U. S. Atl. coast		
Evans	6	8	Amer.	U. S. Government	U. S. West coast	U. S. Atl. coast		
Philp	6	8	Amer.	U. S. Government	U. S. West coast	U. S. Atl. coast		
Hale 9	5	8	Amer.	U. S. Government	U. S. West coast	U. S. Atl. coast		
Crownshield 9	5	8	Amer.	U. S. Government	U. S. West coast	U. S. Atl. coast		
City of Newport News	6	8	Amer.	Panama-Pacific Line.	Los Angeles, Cal.	New York, N. Y.	General.	4,498
Malay	7	8	Amer.	Shell Oil Corp.	Los Angeles, Cal.	New York, N. Y.	Fuel oil.	11,582
Sorbolt	7	8	Nor.	De La Rama S. S. Co.	Hoilo, P. I.	New York, N. Y.	General.	7,154
Aaron Ward 9	8	8	Amer.	U. S. Government	U. S. West coast	U. S. Atl. coast		
Lagarto	7	9	Brit.	Pacific Steam Nav.Co.	Valparaiso, Chile.	Liverpool, Eng.	(22)	4,997

1 Tanker. 2 Motor ship. 8 Transport. 9 Destroyer. 12 Lighthouse tender. 14 For orders. 15 Sugar, pineapples, honey. 16 Coffee, wood, rubber. 17 Plantains, lumber. 18 Bean oil, general. 19 Lumber, hides, general. 20 Lumber, wood pulp. 21 Rubber, tin, general. 22 Cotton, tin, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Massmar.....	7	7	Amer..	Calmar S. S. Corp. . . .	Seattle, Wash. . .	Baltimore, Md. . .	Lum., copper	6,018
Colombia <sup>2</sup> . . . . .	7	10	Pan..	Elliot Ship. & Land Co.	B'ventura, Col. . .	Cristobal, C. Z. . .	Coffee . . . . .	942
El Oso . . . . .	8	8	Brit..	C. T. Bowring & Co.	Cabo B'co, Peru . .	Ellesmere, Eng. . .	Bulk oil . . . . .	9,749
Emidio . . . . .	8	8	Amer..	Asiatic Petroleum Co.	Los Angeles, Cal. .	Curacao, N.W.I. . .	Kerosene dist	9,645
Bethore . . . . .	8	8	Amer..	Ore S. S. Corp. . . . .	Cruz Gr'de, Chile .	Baltimore, Md. . .	Iron ore . . . . .	21,200
Leticia <sup>2</sup> . . . . .	8	8	Pan..	A. Tagaropulos . . . .	Pedregal, R. P. . .	Cristobal, C. Z. . .	Cattle . . . . .	30
Telde . . . . .	8	9	Hond..	United Fruit Co. . . .	Pto. Arm'les, R.P.	New Orleans, La. . .	.....	871
Mauna Kea . . . . .	9	9	Amer..	Grace Line . . . . .	Arica, Chile . . . .	New York, N. Y. . .	.....	8,783
Cacique . . . . .	9	9	Amer..	Grace Line . . . . .	Guayaquil, Ecua. .	Barranquilla, Col. .	Rice, mach. . . .	1,872
Skogheim . . . . .	9	9	Nor..	Empresa del Muelle . .	Chicama, Peru. . .	Philadelphia, Pa. . .	Sugar . . . . .	4,206
El Capitan . . . . .	9	9	Amer..	Wood Lumber Co. . . .	Townsend, Wash. .	New York, N. Y. . .	Lum., paper . . .	7,182
Porto Bello <sup>2</sup> . . . . .	8	8	Pan..	A. Tagaropulos . . . .	Darien, R. P. . . .	Colon, R. P. . . . .	Fruit, lum. . . .	11
Canadian Reefer <sup>2</sup> . .	8	9	Dan..	J. Lauritzen . . . . .	Vancouver, B. C. .	Haifa, Palestine. .	Fruit, gen. . . .	1,410
Estrid . . . . .	8	9	Dan..	Steamship Co., Torm. .	Vancouver, B. C. .	Cardiff, Wales . . .	Fruit . . . . .	1,134
Porseus . . . . .	8	9	Greek.	Chile Nit. Sales Corp. .	Tocopilla, Chile. .	Gulfport, Miss. . . .	Nitrate . . . . .	7,800
Douro <sup>2</sup> . . . . .	9	9	Neth..	Royal Neth. S. S. Co . .	B'ventura, Col. . .	Curacao, N.W.I. . .	( <sup>13</sup> ) . . . . .	381
Algonquin <sup>1</sup> . . . . .	9	9	Amer..	Socony Vacuum Oil . . .	Los Angeles, Cal. .	Beaumont, Tex. . .	Av. gasoline . . .	8,402
Sambu <sup>2</sup> . . . . .	9	9	Pan..	Elliot Ship. & Land Co.	Darien, R. P. . . .	Cristobal, C. Z. . .	Bananas . . . . .	63
Kazuura Maru <sup>2</sup> . . .	9	10	Jap..	Mitsubishi Shoji K. . .	Simizu, Japan . . .	New York, N. Y. . .	Fishmeal, gen . .	3,469
Amerikaland <sup>2</sup> . . . .	9	10	Swed..	Ore S. S. Corp. . . . .	Cruz Gr'de, Chile .	Baltimore, Md. . .	Iron ore . . . . .	21,600
Thorshovdi <sup>1 2</sup> . . . . .	10	10	Nor..	Anglo-Saxon Pet. Co. . .	Los Angeles, Cal. .	Curacao, N.W.I. . .	Gas oil . . . . .	14,497
Canadian . . . . .	10	10	Amer..	Amer.-Hawaiian Line . .	Los Angeles, Cal. .	Searsport, Me. . . .	General . . . . .	7,296
Ebba <sup>2</sup> . . . . .	10	10	Pan..	H. Obarrio . . . . .	Darien, R. P. . . .	Cristobal, C. Z. . .	Bananas . . . . .	56

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>13</sup> Coffee, rice, hides.

**Supplement to Tariff 13.—Coal**

The Panama Railroad Company issued on October 11, 1939, supplement No. 3 to Tariff No. 13, making changes as shown below:

**Item 21.—COAL**

(Effective November 1, 1939)

Paragraph 5 of Item 21 to Tariff No. 13 is annulled and the following substituted:

5. The prices of coal, regardless of quantity, and the rates for services in connection with its delivery are as follows:

	Per ton of 2,240 lbs.	
	Cristobal-Colon	Balboa
(a) Coal delivered to vessels at Coaling Plants, trimmed in bunkers . . . . .	\$7.75	\$10.75
(b) Coal delivered to vessels by lighters from Cristobal Coaling Plant, trimmed in bunkers . . . . .	8.25	-----
A flat charge of \$52.50 for lighterage on any quantity delivered will be made in addition to the basic price per ton.		
(c) For sacking lump coal for galley use, or other grades of coal, in addition to the basic price per ton.		
Labor, etc. . . . .	3.00	3.00
Sacks, when furnished by Coaling Plant . . . . .	2.00	2.00

If delivery is made at points other than the Coaling Plant, an extra charge covering the cost of delivery will be made.

**Current Net Prices on Fuel Oil and Diesel Oil**

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from the tanks of the Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.10 per barrel at Cristobal and Balboa; Diesel oil, \$1.90 per barrel at Cristobal and Balboa.

**Consular Officers Accredited to Canal Zone**

<i>Name</i>	<i>Title</i>	<i>Address</i>
<b>BELGIUM</b>		
J. J. Henriquez.....	Honorary Consul for Canal Zone.....	Colon
<b>BOLIVIA</b>		
Dr. Jorge Eduardo Boyd..	Honorary Consul General for Canal Zone....	Panama
<b>BRAZIL</b>		
Jorge D. Arias F.....	Honorary Consul for Canal Zone.....	Panama
Pedro Ernesto Arias I...	Honorary Vice Consul for Canal Zone.....	Panama
<b>COLOMBIA</b>		
Juan A. Calvo.....	Consul General for Canal Zone from Balboa to Gamboa.....	Panama
Jorge Castaño Castillo..	Consul General for Canal Zone from Cristobal to Gatun, including Gatun Lake.....	Colon
<b>COSTA RICA</b>		
Juan Dávila Solera.....	Honorary Consul General at Balboa for the Canal Zone.....	Panama
Enrique Pucci Paoli....	Honorary Consul at Cristobal for the Canal Zone.....	Colon
<b>DENMARK</b>		
Samuel Levy Maduro ..	Honorary Consul for Canal Zone.....	Panama
Colman Sasso.....	Honorary Consul for Canal Zone.....	Colon
<b>DOMINICAN REPUBLIC</b>		
Manuel de J. Quijano ..	Honorary Consul General for Canal Zone.....	Panama
H. J. Henriquez.....	Honorary Vice Consul for Canal Zone.....	Colon
<b>EL SALVADOR</b>		
Ernesto A. Boyd.....	Honorary Consul for Cana Zone.....	Panama
Roberto Boyd.....	Vice Consul for Canal Zone.....	Panama
<b>FINLAND</b>		
Herman J. Henriquez ..	Honorary Consul for Canal Zone.....	Colon
<b>FRANCE</b>		
Pierre H. de la Blanchetai..	Consul for Canal Zone.....	Panama
<b>GERMANY</b>		
Ernest F. Neumann....	Honorary Consul for port of Balboa, including Pacific part of Canal Zone.....	Panama
Kurt Lindenberg.....	Acting Consul for port of Cristobal and the Atlantic part of Canal Zone.....	Cristobal
Walther Schmidt.....	Acting Consul for port of Cristobal and the Atlantic part of Canal Zone during the absence of Kurt Lindenberg on leave for six months from middle of May 1939.....	Cristobal
<b>GREAT BRITAIN</b>		
Douglas Gerald Rydings..	Consul for Canal Zone.....	Panama
J. H. Dickinson.....	Vice Consul for Canal Zone.....	Panama
<b>GUATEMALA</b>		
Tomás Arias.....	Honorary Consul for Pacific part of Canal Zone at Balboa.....	Panama
Manuel J. Castillo.....	Honorary Vice Consul at Cristobal.....	Colon
Dr. Julio Jiménez Sierra..	Honorary Consul at Cristobal.....	Colon
<b>HAITI</b>		
Alfred Joseph.....	Consul General for Canal Zone.....	Colon
Max R. Stempel.....	Consul at Balboa, Canal Zone.....	Panama

<i>Name</i>	<i>Title</i>	<i>Address</i>
HONDURAS		
Juan Francisco Arias F.	Honorary Consul at Balboa, Canal Zone	Panama
HUNGARY		
Pedro Ernesto Arias I.	Honorary Consul for Canal Zone	Panama
JAPAN		
Yashichi Otani	Consul for Canal Zone	Panama
MEXICO		
Silvio Salazar	Honorary Consul for Canal Zone from Cristobal to Gorgona	Colon
NETHERLANDS, THE		
David M. Sasso	Honorary Consul General for Canal Zone	Panama
Julio A. Salas	Honorary Consul for Cristobal, Canal Zone	Colon
NICARAGUA		
Armando Pallais L.	Consul General for Canal Zone	Panama
Roberto Feuillebois	Honorary Consul for Cristobal, Canal Zone	Colon
NORWAY		
Tomás H. Jácome	Consul at Balboa and Ancon, Canal Zone	Panama
Alan Neave Dodd	Consul for Canal Zone, except Balboa and Ancon	Colon
PERU		
Dr. Luis Cuneo Harrison	Consul General for Canal Zone	Panama
Fernando Rodríguez Pastor	Consul for Cristobal, Canal Zone	Colon
POLAND		
Luis Fernando Prada	Honorary Consul for Canal Zone	Colon
SWEDEN		
Capt. Hans Elliot	Consul for Canal Zone	Panama
Julio A. Salas	Honorary Vice Consul for Canal Zone	Colon

### Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices to individuals and companies, as of December 14, 1939:

Commodities	Unit	Price
Brass, bar, average	Lb.	\$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.22
Gasoline, motor grade	Gal.	.11
Metal, yellow	Lb.	.26
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.18
Oil, gun and ice machine	Gal.	.31
Oil, engine, gas, light, in drums, No. 2135	Gal.	.28
Oil, engine, gas, extra heavy, in cases, No. 2250	Gal.	.32
Oil, engine, gas, extra heavy, in drums, No. 2250	Gal.	.30
Oil, kerosene, in drums	Gal.	.11
Oil, marine, engine	Gal.	.46
Paint, lead, white, dry	Lb.	.11
Paint, lead, white, in oil	Lb.	.12
Paint, zinc oxide, dry	Lb.	.09
Paint, zinc oxide, in oil	Lb.	.12
Grease, gear, chain and wire rope, lubricating	Lb.	.05
Grease, yellow, cup, medium	Lb.	.07
Grease, yellow, cup, hard	Lb.	.07
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.11
Waste, cotton, white	Lb.	.13

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.

*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXIII Balboa Heights, C. Z., January 1, 1940 No. 6

## Traffic Through the Panama Canal in December 1939

The total vessels of all kinds transiting the Panama Canal during the month of December 1939, and for the same month in the two preceding years, are shown in the following tabulation:

	December 1939			December	
	Atlantic to Pacific	Pacific to Atlantic	Total	1938	1937
Ocean-going commercial traffic.....	273	216	489	509	439
Small commercial vessels <sup>1</sup> .....	49	45	94	79	79
Noncommercial vessels:					
United States Government.....	21	23	44	25	43
Colombian Government.....	1		1		
For repairs.....				2	2
Total.....	344	284	628	618	563

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC<sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the calendar year 1939, as compared with the calendar year 1938:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1939	1938	1939 <sup>3</sup>	1938 <sup>4</sup>	1939	1938	1939	1938
January...	525	444	2,380,916	2,053,000	2,393,360	2,095,402	\$2,062,454.16	\$1,837,894.72
February...	501	436	2,282,318	1,993,000	2,206,963	1,998,827	1,996,735.66	1,736,611.45
March...	553	506	2,586,580	2,311,526	2,664,068	2,268,548	2,252,156.28	2,015,585.34
April...	496	487	2,278,326	2,258,836	2,472,504	2,279,235	1,999,851.16	1,961,456.53
May...	506	465	2,341,894	2,150,228	2,538,949	2,309,171	2,053,502.16	1,886,825.66
June...	479	445	2,268,679	2,064,793	2,437,087	2,122,389	1,977,431.94	1,801,291.78
July...	485	429	2,254,398	2,033,816	2,317,697	2,025,660	1,974,380.72	1,694,205.00
August...	490	468	2,247,009	2,177,699	2,385,039	2,171,674	1,964,776.48	1,890,050.74
September...	457	438	2,119,418	2,005,241	2,445,700	1,998,464	1,855,574.22	1,741,895.46
October...	458	494	2,068,665	2,276,194	2,386,314	2,359,673	1,815,210.24	1,977,706.76
November...	489	505	2,178,556	2,302,333	2,472,503	2,223,830	1,915,075.38	1,984,014.72
December...	489	509	2,116,424	2,336,011	2,361,176	2,374,395	1,840,096.98	2,031,017.04
Total...	5,928	5,626	27,123,183	25,862,677	29,081,360	26,227,268	23,707,245.38	22,608,555.25

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>3</sup> Panama Canal net tonnage as figured under rules which became effective March 1, 1938.

<sup>4</sup> Estimated tonnage under rules which became effective March 1, 1938.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons (Panama Canal measurement), which transited the Panama Canal during the month of December 1939. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	49	2,031	\$1,545.48	739
Pacific to Atlantic.....	45	1,842	1,656.54	2,221
Total.....	94	3,873	3,202.02	2,960

Traffic by Nationality of Vessels<sup>5</sup> for December 1939

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British	87	456,085	\$387,456.66	382,903
Chilean	4	16,956	15,260.40	11,595
Colombian	3	1,356	1,220.40	2,193
Danish	23	74,765	65,397.42	85,528
French	11	51,835	45,390.78	46,592
Greek	25	108,117	88,110.90	101,792
Honduran	10	14,534	12,356.28	8,837
Italian	4	30,597	26,852.58	6,928
Japanese	31	189,060	162,054.00	202,204
Netherlands	33	38,705	33,766.33	30,771
Norwegian	52	235,007	202,450.86	264,553
Panamanian	20	40,192	36,172.80	73,052
Spanish	1	4,134	2,976.48	.....
Swedish	7	33,648	28,704.96	65,656
United States	174	814,280	717,388.38	1,047,012
Yugoslav	4	16,153	14,537.70	31,560
Total	489	2,116,424	1,840,096.98	2,361,176

<sup>5</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## Traffic by Trade Routes for December 1939

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	56	272,822	244,435	45	214,165	348,491
East coast United States and:						
Canada	1	1,685	2,000	2	7,330	10,320
Central America/Mexico	7	10,195	9,140	7	14,061	3,336
South America	41	168,480	41,490	28	112,869	278,274
Hawaiian Islands	2	8,839	11,674	4	19,476	31,409
Australasia	9	45,608	61,319	1	4,514	7,644
Philippine Islands	10	55,063	67,075	11	57,757	66,799
Far East	41	205,118	306,477	15	81,032	92,299
East coast Canada and:						
United States	1	3,968	7,997	.....	.....	.....
Australasia	1	5,473	6,510	3	15,200	18,232
Central America/Mexico intercoastal	.....	.....	.....	1	689	.....
East coast Central America and:						
South America	1	1,913	3,725	.....	.....	.....
Far East	1	6,347	11,883	.....	.....	.....
South America intercoastal	3	2,768	2,020	1	1,801	1,872
East coast South America and:						
United States	1	5,183	5,807	.....	.....	.....
Canada	.....	.....	.....	1	4,551	6,518
Philippine Islands	.....	.....	.....	1	5,396	5,492
Far East	2	10,303	10,392	.....	.....	.....
Cristobal and:						
Central America/Mexico	4	2,806	2,770	5	3,500	3,198
South America	18	9,922	9,266	22	12,139	14,450
West Indies and:						
United States	.....	.....	.....	6	31,270	62,253
Canada	.....	.....	.....	1	2,080	3,160
Central America/Mexico	.....	.....	.....	1	6,264	.....
South America	8	31,073	53,966	4	11,278	8,365
Far East	.....	.....	.....	2	9,142	16,971
Europe and:						
United States	9	45,347	9,849	3	11,974	13,658
Canada	26	137,589	10,236	20	102,194	148,363
South America	18	93,592	48,105	18	91,985	143,527
Hawaiian Islands	.....	.....	.....	1	6,196	13,142
Australasia	6	48,690	21,862	4	34,994	27,428
Far East	5	31,533	36,354	3	17,202	19,438
Egypt and South America	.....	.....	.....	2	7,535	14,798
Africa and South America	.....	.....	.....	2	4,077	7,330
Asia ad west coast Canada	.....	.....	.....	1	1,877	1,410
Around the world	1	7,319	4,421	1	6,306	4,226
Foreign vessels in ballast (United States intercoastal)	1	5,934	.....	.....	.....	.....
Total	273	1,217,570	988,773	216	898,854	1,372,403



### Origin and Destination of Cargo by Major Areas, December 1939

The following table summarizes the origin of cargo passing through the Canal in December 1939, and its destination by major geographical trade areas:

#### ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States.....	244,507	27,040	383,893	40,277	59,315	755,032
Other North America.....	9,962	4,557	12,014	72,891	9,011	108,435
Europe.....	12,084	7,220	27,366	44,221	20,885	111,776
Miscellaneous.....	6,083	6	6,738	703		13,530
Total.....	272,636	38,823	430,011	158,092	89,211	988,773

#### PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	354,086	66,214	62,701	10,475	493,476
Canada.....	10,320	3,275	101,204	939	115,738
Other North America.....	34,578	2,134	15,209		51,921
South America.....	274,514	27,155	142,723	25,004	469,396
Australasia.....	17,885	7,991	27,428		53,304
Asia.....	152,380	21,630	12,880	1,678	188,568
Total.....	843,763	128,399	362,145	38,096	1,372,403

### Principal Commodities

Commodities which aggregated 10,000 or more tons either during December 1939, or in December 1938, are listed below:

Commodity	December		Commodity	December	
	1939	1938		1939	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts.....	9,142	24,006	Coffee.....	19,591	14,297
Canned food products.....	6,970	12,226	Cold storage (food products) <sup>6</sup> ...	25,971	31,844
Cement.....	7,980	12,238	Flour.....	14,417	9,451
Chemicals.....	13,346	10,461	Fruit, dried.....	11,109	29,860
Coal and coke.....	47,450	9,270	Fruit, fresh <sup>7</sup> .....	19,416	35,588
Cotton, raw.....	38,664	30,032	Lumber.....	216,141	250,793
Iron and steel.....	168,627	128,168	Metals, various.....	52,039	59,991
Machinery.....	25,596	13,208	Molasses and syrups.....	21,987	18,724
Metals, various.....	43,269	25,730	Nitrates.....	127,800	102,780
Oils, mineral.....	147,559	83,008	Oats.....	2,812	15,786
Paper.....	24,250	33,004	Oils, mineral.....	210,719	255,009
Phosphates.....	28,675	27,887	Oils, vegetable.....	34,439	17,471
Scrap metal.....	99,782	142,442	Ores.....	215,603	184,814
Sulphur.....	56,435	29,799	Paper.....	16,470	14,569
Tinplate.....	23,590	30,561	Phosphates.....		15,345
Wood pulp.....	16,825	5,357	Potash.....	12,112	5,108
<i>Pacific to Atlantic</i>			Rice.....	22,746	1,460
Beans, edible, dry.....	3,744	11,595	Rubber, raw.....	32,158	605
Canned food products.....	66,184	92,142	Sugar.....	69,180	57,592
			Wheat.....	15,880	162,097
			Wood pulp.....	25,324	19,273

<sup>6</sup> Except fresh fruit.    <sup>7</sup> Except bananas.

### Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of December 1939, as reported in the cargo declarations showing the movement by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo"; the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts		2		262
Agricultural implements	1,933		4,078	2
Alfalfa meal		132		512
Ammonium compounds	52		6,106	
Animal foods <sup>8</sup>	41	193	41	223
Apparel, wearing (hats, shoes, clothing, etc.)	44		44	33
Asbestos	601	7	2,393	9
Asphalt and tar	198		6,723	80
Automobiles (and autotrucks)	977	6	5,434	15
Automobile parts and accessories	596	42	3,708	42
Bags and bagging, textile	211		1,329	
Bamboo and products				434
Bananas				4,915
Barks, miscellaneous				180
Barley		63	108	6,948
Beans, edible, dry	136	2,572	169	3,744
Beer	108		554	15
Beverages, nonalcoholic	91		91	
Blood and tankage			161	362
Bones and bone meal			258	
Books and printed matter		89	76	89
Borax		530	388	5,785
Bran and pollards		1,604	4	4,195
Bricks and tile	482		1,414	231
Camphor, crude				232
Canned and preserved goods:				
Fish	379	6,290	551	23,391
Fruit	456	9,812	468	31,419
Meat		68	460	460
Milk		326	286	1,039
Soup	2,859		2,865	
Vegetables	523	4,496	580	4,607
Miscellaneous and unclassified	1,137	3,930	1,760	5,298
Carbon black	38		935	169
Cellite		335		335
Cement	596	90	7,980	90
Chalk			87	
Charcoal	12		104	66
Chemicals <sup>8</sup>	4,995	1,109	13,346	2,345
Clay, china and fire	1,300	275	1,489	420
Clay, filtering	31		31	15
Coal	738		30,226	61
Cocoa and cacao beans	281		729	678
Cocanuts and products <sup>8</sup>	331	1,249	381	4,015
Coffee	1,921	83	6,769	19,591
Coke	682	27	17,224	32
Cold storage and refrigerated products:				
Dairy products		261	165	15,065
Eggs				202
Fish	61	26	79	744
Lard	58		161	96
Meats			14	7,668
Poultry		1,190		1,190
Vegetables		45		998
Other and unclassified	494		515	8
Confectionery	1,082		1,000	2
Copra				4,892
Copra meal and cake		140		719
Corn	892		1,167	
Cotton, raw	198	25	38,664	7,657
Creosote			164	
Drugs and medicines	2,132	99	2,465	117
Dyes		220	572	222
Earthenware			88	117
Eggs, dried				50
Electrical apparatus and appliances	1,733	78	3,000	303
Enamel and metalware	653		1,541	524
Explosives			366	
Extract, quebracho			2,793	
Fertilizers <sup>8</sup>	1,200	36	2,054	1,145
Fish, salted or dry-cured				16
Fish meal				6,374
Floor coverings	1,685	722	1,820	795
Flour	30	8,529	494	14,417
Fruit, dried	263	5,073	305	11,109
Fruit, fresh <sup>8</sup>		1,087	792	19,416
Furniture and household goods	418	32	427	40
Gallnuts				20
General	12,103	1,587	47,258	9,599
Glass and glassware	1,493	108	3,631	799

<sup>8</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Glue	102		102	10
Grains <sup>8</sup>			290	323
Groceries	1,352	344	1,769	867
Gums		18	4	305
Hair, all kinds	199	51	199	413
Hay		238		238
Hemp, unmanufactured	219	369	219	8,123
Honey		200		298
Hops				113
Horns and hoofs				10
Infusorial earth	62	335	62	884
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	93,915	219	168,627	344
Ivory nuts				1,604
Jute, unmanufactured	68		349	
Lard substitute	588	45	588	45
Lime	23		65	
Liquors	2,550	448	4,476	448
Lumber (including manufactured mill products)	2,198	133,658	3,085	216,141
Machinery	3,127	275	25,596	481
Malt			30	179
Manufactured goods <sup>8</sup>	16,506	480	33,046	3,056
Marble and granite	100		430	
Matches	235	175	415	179
Metals:				
Antimony		54		274
Copper	838	3,517	16,611	25,740
Gold and silver			2	47
Iron	1,358		8,940	
Lead		180	8,069	12,976
Tin	4,337		5,094	6,697
Zinc	202		2,791	6,125
Other and unclassified	830	12	1,762	180
Milk, powdered		137	13	577
Molasses and syrups	362	7,475	815	21,987
Nitrate	1,727		3,820	127,800
Nuts, edible (including meats)	22	62	53	165
Oats	48	167	51	2,812
Oils, mineral:				
Crude	24	15,970	12,004	45,742
Gas and fuel		41,600	62,084	70,525
Gasoline, benzine, and naphtha	3	35,822	35,487	55,998
Kerosene	22		2,799	37,605
Lubricating and greases	9,134	226	35,005	430
Other and unclassified	6		180	419
Oils, vegetable:				
Coconut				17,210
Cottonseed			99	83
Linseed	15		57	
Olive	59		214	
Peanut				2,240
Rapeseed				1,683
Teaseed				30
Wood	99	72	99	4,959
Other and unclassified	206		263	8,234
Oil, fish	138	622	203	840
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)			2,122	961
Oilseed cake and meal	1,677		1,756	5,202
Ores:				
Antimony		147	3	2,071
Chrome				9,038
Copper			7,997	4,984
Gold and silver				1,814
Iron				161,390
Lead				5,614
Magnesite		44		44
Manganese		1,188	596	13,233
Tin				9,463
Zinc	21		24	4,624
Other and unclassified	19	76	4,729	3,418
Paints and varnishes	1,619	101	2,370	119
Paper and paper products <sup>8</sup>	9,875	6,138	24,250	16,470
Peanuts	85		* 85	127
Peas, dry				390
Peatmoss	24		39	
Phosphates	314		28,675	
Plaster				188
Porcelainware	201	3	797	2,268
Potash	128	12,112	4,216	12,112
Pyrethrum flowers				35

<sup>8</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Rags and waste	530	34	905	783
Railroad material			6,243	
Rice	849	240	1,528	22,746
Rope and twine	476	71	476	415
Rosin	1,022	13	2,459	13
Rubber:				
Manufactured	782	407	1,648	726
Raw				32,158
Scrap			1,342	
Salt	193	1,426	3,446	1,426
Sand	671		1,491	1,540
Scrap metal	241	68	99,782	1,430
Seeds (except oilseeds)	34	340	167	1,162
Shells, all kinds	434		468	165
Silk, raw		139	92	2,118
Skins and hides		777	1,433	5,861
Slate	1,568		1,568	
Soaps and products	1,822	184	1,891	370
Soda and sodium compounds:				
Soda ash	70		70	990
Soda caustic	182		1,067	
Miscellaneous and unclassified	773	74	2,192	74
Soy beans	3,149		3,149	380
Spices	56		133	2,715
Sugar		13,283	5	69,180
Sulphur	22,552	45	56,435	45
Talc		79	34	654
Tallow	75		183	4,358
Tea	104	43	110	2,743
Textiles <sup>8</sup>	2,270		6,382	4,487
Tinplate	4,609	22	23,500	22
Tobacco and manufactures	99	932	8,646	1,721
Toilet preparations	89	145	149	370
Turpentine			97	
Vegetables, dry <sup>8</sup>		152		152
Wall board	157		197	1,081
Wax, paraffin	421	3	1,053	162
Wheat		35		15,880
Wines	255	1,204	696	1,531
Wood pulp	5	18,756	16,825	25,324
Wool	48	446	141	4,282
Total, December 1939	244,507	354,086	988,773	1,372,403
Total, December 1938	210,093	334,212	833,043	1,541,352
Total, December 1937	184,489	276,325	674,223	1,371,947

<sup>8</sup> Except as otherwise classified. <sup>9</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of December 1939:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	5	28,159		10	54,102	<sup>10</sup> 100,894
East coast United States and:						
Philippine Islands				2	4,664	<sup>11</sup> 8,220
Far East	1	7,253	11,251			
Central America/Mexico and:						
South America	1	1,913	3,725			
Far East	1	6,347	11,883			
West Indies and:						
United States				5	28,954	58,553
Central America/Mexico				1	6,264	
South America	5	25,488	50,517	1	2,355	416
Europe and:						
United States	2	12,953				
South America	4	25,637	10,500	5	31,324	58,138
Hawaiian Islands				1	6,196	<sup>12</sup> 13,142
Total	19	107,750	87,876	25	133,859	239,363

<sup>10</sup> Includes 7,443 tons of molasses.

<sup>11</sup> Coconut oil.

<sup>12</sup> Molasses.

### Comparison of Canal Traffic in December 1939, with December Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of December			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1914.....	13 98	316	453	1915.....	15 100	15 334	15 466
1915.....	14 5	7	12	1916.....	60	184	258
1916.....	144	432	540	1917.....	145	447	588
1917.....	147	446	563	1918.....	165	506	627
1918.....	162	493	630	1919.....	162	472	576
1919.....	254	857	924	1920.....	199	659	781
1920.....	257	950	1,077	1921.....	232	879	966
1921.....	234	941	952	1922.....	222	880	907
1922.....	299	1,272	1,535	1923.....	325	1,434	1,631
1923.....	500	2,327	2,495	1924.....	429	2,016	2,249
1924.....	403	1,840	2,266	1925.....	382	1,761	1,996
1925.....	458	2,088	2,358	1926.....	424	1,909	2,169
1926.....	436	1,973	2,308	1927.....	441	2,020	2,311
1927.....	567	2,419	2,572	1928.....	521	2,269	2,468
1928.....	569	2,495	2,713	1929.....	524	2,299	2,554
1929.....	510	2,356	2,523	1930.....	502	2,310	2,502
1930.....	483	2,287	2,165	1931.....	447	2,140	2,089
1931.....	383	1,881	1,649	1932.....	364	1,820	1,650
1932.....	384	1,922	1,620	1933.....	347	1,758	1,513
1933.....	476	2,421	2,191	1934.....	436	2,201	2,059
1934.....	443	2,156	2,089	1935.....	432	2,143	2,109
1935.....	459	2,294	2,188	1936.....	449	2,160	2,209
1936.....	341	1,532	1,538	1937.....	467	2,239	2,507
1937.....	439	2,070	2,046	1938.....	460	2,163	2,282
1938.....	509	2,336	2,374	1939.....	492	2,264	2,322
1939.....	489	2,116	2,361	Cal. year 1939.....	494	2,260	2,423

<sup>13</sup> Canal opened August 15, 1914. <sup>14</sup> Canal closed part of month due to slides. <sup>15</sup> Average for 10½ months of fiscal year ended June 30, 1915.

### Terminal Activities

Ships repaired during the month of December 1939 numbered 76. Vessels released from drydock numbered 14. Fuel oil amounting to 402,675 barrels was delivered as bunkers to 180 commercial ships. Bunker coal amounting to 4,606 tons was delivered to 22 commercial ships. Sales of commissary supplies to ships aggregated \$54,453.

### Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	48,615	16,635	65,250
Local cargo shipped..... tons..	2,476	1,023	3,499
Cargo received for transshipment..... tons..	61,399	1,214	62,613
Cargo transhipped..... tons..	62,679	748	63,427
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	8	4	12
Number of releases issued.....	42	6	48
Tons received.....	112	63	175
Tons withdrawn.....	77	4	81

### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal..	577	3,156,181	1,872,905	538	2,896,420	1,733,651
Vessels entering port but not transiting Canal..	61	299,156	157,428	18	62,434	37,757
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	134	684,175	396,447	78	516,212	289,420
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	573	3,166,225	1,878,490	537	2,907,049	1,741,364
Vessels clearing port but not transiting Canal..	63	320,083	168,967	15	53,072	31,333
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	130	679,916	394,090	80	531,562	299,512

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month of December 1939. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

California, 1,553, 30	Ceres, 411, 1,845	Taketoyo Maru, 291,	Orcemar, 609, 0	Nuevo Panama, 149,
Nemours, 144, 0	Alabama, 22, 29	91	Niel Maersk, 344, 716	511
Benj. Franklin, 73, 200	Tanja, 0, 2	Minerva, 0, 28	Santa Elena, 335, 142	Kagu Maru, 481, 0
Tai Yang, 1,243, 1	Canadian Reefer, 0, 2	Chester Valley, 2,678,	Ino, 496, 176	Akagi Maru, 287, 0
San Mateo, 30, 83	Sixacoia, 586, 86	364	American Press, 1,384,	Commissaire Rame!,
Manto, 595, 670	St. Mihiel, 402, 128	Arminda, 571, 50	496	15, 92
Crijnsen, 29, 861	Douro, 534, 347	Musa, 1,724, 390	Hunter Liggett, 23, 0	Douro, 12, 341
John Bakke, 2, 1,150	San Diego, 0, 129	Ancon, 6,475, 787	Zazapa, 2,056, 348	Kinai Maru, 429, 0
Sanuki Maru, 106, 2	Nero, 552, 0	Doros, 0, 151	City of Elwood, 868, 0	Pereira, 1,255, 429
Panama, 5,556, 517	Colombia, 1,749, 524	Paula, 0, 1	Salvador, 0, 182	Nero, 576, 557
Veragua, 168, 1,368	San Pablo, 7, 786	Westralia, 0, 3	Titania, 528, 0	Loreto, 10, 0
Laura Maersk, 458, 357	Kaikoura, 112, 0	Talamanca, 0, 362	Elisabeth Bakke, 1, 0	Forbes Hauptman, 0,
Pereira, 1,269, 954	Draco, 439, 0	Sambu, 0, 72	Nebraskan, 9, 0	661
Yemahlon, 1,299, 727	Socrates, 4, 1,959	Jamaica, 545, 922	Santa Rita, 487, 186	Olancho, 803, 120
San Vincente, 818, 24	Santa Elena, 165, 419	Copiapo, 3, 1	City of Los Angeles,	Amapala, 572, 264
Flevo, 173, 11	Ludington, 433, 244	Santa Marta, 1,265, 186	443, 0	Nemours, 0, 8
Kinugasa Maru, 658, 12	Plato, 46, 44	Wisconsin, 0, 269	Manto, 428, 473	Cristobal, 5,463, 52
Lexa Maersk, 0, 18	Karpo, 371, 683	Komaki Maru, 0, 1	San Angelo, 866, 0	Pericles, 18, 3,196
Thurland Castle, 0, 22	Cefalu, 431, 511	Hoogh Merchant, 0, 9	Nuevo Panama, 237, 0	Real, 0, 59
Cristobal, 5,192, 454	Acajutla, 129, 0	Ciss, 482, 871	Olancho, 0, 429	Chiriqui, 248, 1,412
Istmo, 447, 0	City of San Francisco,	San Bernardino, 1,037,	Acajutla, 1, 482	Santa Barbara, 435, 3
Santa Maria, 357, 20	8, 0	80	Cajique, 155, 993	City of Baltimore, 9, 0
Wyoming, 211, 55	West Notus, 0, 1,169	Orazio, 31, 621	Manto, 400, 471	Sixaola, 1,349, 88
Laguna, 18, 200	Platano, 2,514, 0	Staghound, 466, 73	Colombia, 1,361, 1,252	Nemours, 214, 0
Quirigua, 170, 1,012	Olancho, 714, 177	Comayagua, 995, 32	Nero, 529, 357	Colombia, 1,369, 935
Sorholt, 265, 8	Idraet, 0, 443	Abraham Lincoln, 203,	Tasmania, 0, 17	Uruguay, 368, 473
Colombia, 1,019, 1,239	Helder, 340, 5,040	345	Aconecagua, 197, 933	Douro, 512, 0
Draco, 0, 467	Orotava, 818, 1,007	Cuango, 0, 5	Doros, 12, 1,215	Vibrant, 468, 34
Telde, 52, 164	Imperial, 671, 172	Istmo, 695, 5	Agustus, 158, 1	Dramatist, 405, 0
Cacique, 1,078, 25	City of Newport News,	Colombia, 349, 615	Talamaca, 221, 188	Goyo Maru, 364, 0
Tudor Star, 52, 0	197, 0	Platano, 2,569, 49	Santa Paula, 495, 329	Barge No. 205, 0, 28
Nemours, 0, 66	Lagarto, 1, 942	San'a Lucia, 502, 52	Kysuyu Maru, 392, 0	Barge No. 15, 0, 12
Santa Inez, 468, 17	Ulua, 1,845, 107	Erria, 1, 0	Conessa, 642, 390	La Plata Maru, 1, 1
Chiriqui, 293, 357	Nero, 0, 304	Santa Maria, 245, 74	Maui, 425, 0	Tiberius, 1, 0
Alamar, 869, 0	Mauna Kea, 95, 0	Notos, 0, 646	Yamakaze Maru, 521,	Real, 0, 58
Santa Rosa, 459, 451	Svealand, 0, 1	Veragua, 141, 545	30	Hercules, 1, 0
Kanto Maru, 451, 583	Ino, 0, 77	Orbita, 1, 156	Husimi Maru, 0, 1	Torrens, 1, 0
Notos, 1,303, 1	Douro, 420, 481	Freida, 0, 1	Panama, 5,872, 289	Barge No. 15, 0, 64
Amapala, 934, 164	Nuevo Panama, 27, 156	Windrush, 327, 300	Nemours, 69, 0	Barge, M. E. Div., 0, 10
Modjokerto, 96, 0	Istmo, 0, 779	Orotava, 190, 657	Hollywood, 0, 1,172	Arkansas, 6, 0
Indianan, 581, 230	Pyro, 314, 0	Colombia, 1,263, 1,008	Telde, 787, 979	Sona, 0, 47
City of Norfolk, 8, 0	Nako Maru, 1,044, 9	Quirigua, 615, 623	Bocas del Toro, 9, 0	Sona, 0, 16
Nicarao, 538, 40	Choluteca, 0, 1,033	Tolosa, 839, 138	Salvador, 224, 0	
Santa Clara, 248, 22	Colombia Star, 1, 0	Fernplant, 57, 0	Draco, 412, 387	
Leme, 2,477, 0	Santa Rita, 458, 2	Canadian Star, 20, 0	Siranger, 14, 253	

#### BALBOA

Tai Yang, 178, 0	Chateau Thierry, 23, 0	City of Los Angeles,	Kinugasa Maru, 1, 0	Aconecagua, 0, 2
St. Mihiel, 661, 491	Abbeyle, 0, 1	152, 1	Piako, 0, 1	Santa Lucia, 11, 2
Laura Maersk, 369, 0	Mostfruit, 2, 0	Santa Rita, 323, 17	Canadian Reefer, 308, 0	Tatuno Maru, 1, 0
Colombia, 1, 0	Castel Bianco, 0, 60	Salvador, 0, 1	Ludington, 3,343, 161	Oregon Express, 648, 0
John Bakke, 0, 89	Leme, 0, 1	Colombia, 0, 1	President Polk, 4, 3	City of Baltimore, 21,
Santa Maria, 9, 5	Colombia, 0, 3	Pericles, 0, 1	Washington Express,	14
West Cape, 2,154, 0	Agustus, 0, 1	Santa Barbara, 224, 38	1,147, 1	California Express, 561,
City of Norfolk, 0, 4	Erria, 1, 0	Esso Panama, 254, 5	Komaki Maru, 0, 1	1
Santa Inez, 217, 20	Ciss, 0, 35	City of San Francisco,	Copiapo, 3, 0	Orotavia, 1, 0
Pereira, 0, 5	Santa Maria, 282, 23	1, 5	Grant, 50, 106	Colombia, 0, 1
Imperial, 0, 4	Tamaroa, 16, 0	British Colombia Ex-	Abraham Lincoln, 577,	Hunter Liggett, 167, 13
Colombia, 0, 1	Niel Maersk, 137, 0	press, 361, 27	0	Santa Barbara, 14, 2
Wichita, 425, 425	Elizabeth Bakke, 1, 0	Acajutla, 4, 0	Husimi Maru, 0, 1	Eureka, 4,101, 0
Atutasan Maru, 2, 0	Colombia, 2, 0	City of Newport News,	Maui, 202, 0	La Plata Maru, 22, 2
Santa Clara, 151, 31	Kagu Maru, 2, 0	114, 0	Acajutla, 0, 1	Ino, 0, 1
Margrethe Bakke, 57, 0	Pereira, 0, 159	Deroche, 13, 0	Orazio, 1, 0	Colombia, 1, 0
	Condor, 139, 0	Santa Rita, 97, 0	Tatsuno Maru, 280, 0	City of Baltimore, 1, 0

NOTE.—Figures shown represent short tons of 2,000 pounds.

### Passengers

During December 1939, ocean-ship passengers debarking at Cristobal numbered 2,605, embarking 1,572; at Balboa, 923 debarking and 718 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 2,091, from the Pacific to the Atlantic, 1,758. Commercial aircraft numbering 62 entered Cristobal with 374 passengers debarking; clearances were 65 with 371 passengers embarking. Balboa entries of aircraft numbered 52, with 157 passengers debarking; clearances were 52, with 121 passengers embarking.

Movements of Ocean Vessels Through the Panama Canal  
From midnight December 10, 1939, to midnight January 10, 1940

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Chilore	9	11	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Mooby	10	11	Brit.	Ropner Shipping Co.	Manchester, Eng.	Balboa, C. Z. <sup>14</sup>	Ballast	
Tai Ping Yang 2	11	11	Nor.	Barber Line	Baltimore, Md.	Shanghai, China	General	6,613
Salacia 2	11	12	Brit.	Donaldson Bros.	Glasgow, Scot.	Vancouver, B. C.	General	1,598
Karmt 2	11	12	Nor.	Chile Nit. Sales Corp.	Pensacola, Fla.	Antof'gasta, Chile	Ballast	
Grona 1	11	12	Nor.	Standard Oil of N. Y.	Goth'burg, Swed.	Los Angeles, Cal.	Ballast	
Santa Inez 2	10	12	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	General	2,225
Point Bonita	11	13	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General	6,335
Porto Bello 3	11	11	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
President Polk	12	12	Amer.	Amer. President Line.	Boston, Mass.	Round the world.	General	4,421
Orville Harden 1 2	10	11	Pan.	Standard Oil of N. J.	Aruha, N. W. I.	Tocopilla, Chile.	(16)	17,155
Pyro 12	11	14	Amer.	U. S. Navy	Norfolk, Va.	Puget Sd., Wash.	Stores	4,058
Kaum 7	11	13	Amer.	U. S. Navy	U. S. port.	Balboa, C. Z.	Ballast	
Komaki Maru 2	12	12	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Yokohama, Japan	Steel, cotton.	7,762
Nuevo Panama 2	10	12	Pan.	Elliot Ship. & Land Co.	Manauca, Colom.	B'ventura, Col.	General	183
Alamar	11	12	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,588
West Madaket	11	12	Amer.	Sudden & Christenson	Baltimore, Md.	Seattle, Wash.	Steel, gen.	3,455
Jutta	12	13	Dan.	J. Lauritzen	New York, N. Y.	Talcahuano, Chile	General	2,142
Istmo	6	13	Colom.	Colombiana Cabotaje.	Cristobal, C. Z.	B'ventura, Col.	General	800
Sambu 2	9	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	71
Mussolini 2	11	11	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Ebba 2	10	11	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Port Hardy	12	13	Brit.	Port Line, Ltd.	London, England	N. Plym'th, N. Z.	Gen., oranges	5,705
Hoegh Merchant 2	13	13	Nor.	Leif Hoegh	Boea Grande, Fla	Japan	Phos. rock	7,795
Norfolk	13	14	Brit.	Federal Steam Nav. Co.	Newport, Eng.	Bluff, N. Z.	General	6,363
Bradgen	13	14	Brit.	W. R. Smith & Sons.	Manchester, Eng.	Vancouver, B. C.	Ballast	
Rossington Court.	13	13	Brit.	Ministry of Shipping.	Immingham, Eng.	Vancouver, B. C.	Ballast	
Alaskan	13	14	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Ore.	General	2,522
Tuira 2	12	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real 2	12	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pirre 2	12	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Rancagua 1	13	13	Chile.	Chilean Government.	Tampico, Mex.	Valparaiso, Chile.	Fuel oil	3,725
Santa Clara	13	14	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile.	General	3,415
Tasmania 2	13	14	Dan.	S. S. Orient	Texas City, Tex.	Yokohama, Japan	Scrap rails.	7,468
Patrick Henry	14	14	Amer.	Lykes Brothers Co.	New Orleans, La.	Kohsiang, Siam	(17)	9,379
West Gambo	14	14	Amer.	Chile Nit. Sales Corp.	New Orleans, La.	Tocopilla, Chile.	Ballast	
Lena Luekenbach	14	14	Amer.	Luekenbach Line	Tampa, Fla.	Tacoma, Wash.	General	6,311
Col. Riche 5	10	14	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Loriga 2	15	15	Brit.	Pacific Steam Nav. Co	Liverpool, Eng.	Tocopilla, Chile.	Coal	7,594
Abbedayle 1 2	15	15	Brit.	British Admiralty	Falmouth, Eng.	High seas.	Fuel oil	10,500
City of Dunkirk	15	15	Brit.	Ellerman & Bucknall.	New York, N. Y.	Adelaide, Aust.	General	4,784
Langegorse	12	17	Brit.	F. Carrick & Co.	Cardiff, Wales.	Vancouver, B. C.	Ballast	
Husumi Maru	14	15	Jap.	Nippon Yusen Kaisha	London, England	Yokohama, Japan	(15)	4,577
Jomar	15	16	Amer.	Chile Nit. Sales Corp.	Baltimore, Md.	Antof'gasta, Chile	Ballast	
Gen. Wm. M. Graham. 11	15	16	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Leme 2	13	16	Ital.	Italia Line	Trieste, Italy	Vancouver, B. C.	Gen., cement	3,345
Acajutla	5	16	Brit.	United Steam Nav. Co	Cristobal, C. Z.	Champ'ico, Guat.	General	629
Sinaloa	15	16	Hond.	Pacific Fruit Co.	New Orleans, La.	Golfo, C. R.	R.R. material	2,150
Arimasan Maru 2	15	16	Jap.	Mitsui Senpakubun	New York, N. Y.	Osaka, Japan.	Gasoline, gen	7,325
Harry Luekenbach	15	16	Amer.	Luekenbach Line	Boston, Mass.	Tacoma, Wash.	General	3,175
Viva	15	16	Nor.	States Marine Corp.	New Orleans, La.	Shanghai, China.	Cotton	5,200
Fernwood 2	16	17	Nor.	Fearnley & Eger	Galveston, Tex.	Yarrville, Aust.	Sulphur	7,558
Chateau Thierry 8	16	17	Amer.	U. S. Army	Brooklyn, N. Y.	Balboa, C. Z. <sup>14</sup>	General	725
G. S. Livanos	16	17	Greek	Chile Nit. Sales Corp.	Pt. Baltob, Eng.	Chile	Ballast	
Fortuna 3	16	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Enoch 2	16	16	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>15</sup>	Ballast	20
M-14 5	16	16	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Manto 2	14	17	Neth.	Royal Neth S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	438
Caetique	14	17	Amer.	Grace Line	Barranquilla, Col.	Callao, Peru.	Gen., gas'ine	1,189
Dakotan	16	17	Amer.	Amer.-Hawaiian Line.	Bridgeport, Conn.	Tacoma, Wash.	General	4,007
Mokihana	16	17	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Singapore, St. Set.	General	9,560
Anna Maersk 2	16	17	Dan.	A. P. Moller	Boston, Mass.	Iloilo, P. I.	General	6,298
American Oriole	16	18	Amer.	Freeport Sulphur Co.	New Orleans, La.	Los Angeles, Cal.	Sulphur	8,000
Tosan Maru 2	16	17	Jap.	Osaka Syosen Kaisya.	Boston, Mass.	Kobe, Japan	Gen., gas'ine	7,129
Ceres 2	13	17	Neth.	Royal Neth. S. S. Co.	Amsterdam, Neth	Corral, Chile	General	2,740
Jonna	17	17	Dan.	J. Lauritzen	Manchester, Eng.	Seattle, Wash.	Ballast	
Beignon 2	16	17	Brit.	Morel Line	Sunderland, Eng.	Vancouver, B. C.	Ballast	
Calmar	17	17	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,624
Oklaboman	17	17	Amer.	Chile Exploration Co.	New York, N. Y.	Chanaral, Chile.	General	716
Colombia 2	15	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	1,200
Sundance	17	17	Amer.	Chile Nit. Sales Corp.	Chile	Savannah, Ga.	Ballast	
Castebianco	17	18	Ital.	Chile Nit. Sales Corp.	Baltimore, Md.	Chile	Ballast	
Real 2	16	18	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Agnadulce, R. P.	General	28

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Submarine. <sup>6</sup> Transport. <sup>7</sup> Mine planter. <sup>8</sup> Auxiliary. <sup>9</sup> For orders. <sup>10</sup> For bananas and return to Cristobal. <sup>11</sup> Fuel and Diesel oil. <sup>12</sup> Case oil, cotton. <sup>13</sup> Steel bar and copper.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Iberville	17	18	Amer.	Murray Shipping Co.	Mobile, Ala.	Shanghai, China.	General.	7,813
Nero <sup>2</sup>	15	18	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	188
Lafayette	17	18	Amer.	Murray Shipping Co.	Mobile, Ala.	Osaka, Japan.	(14)	8,718
Elisavet	18	19	Greek.	Chile Nit. Sales Corp.	Baltimore, Md.	Iquique, Chile.	Ballast.	
Augustus <sup>2</sup>	17	18	Ital.	Italia Line.	Genoa, Italy.	Valparaiso, Chile.	General.	982
Aeconagua <sup>2</sup>	16	18	Chile.	Sud. Amer. de Vap.	New York, N. Y.	Valparaiso, Chile.	General.	1,653
Ebba <sup>2</sup>	15	18	Pan.	H. Obarrio.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Porto Bello <sup>3</sup>	18	18	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.	3
Sona <sup>2</sup>	16	18	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
San Bernardino.	17	19	Amer.	Pacific-Atlantic S.S.Co.	New York, N. Y.	Portland, Oreg.	General.	5,466
Hanley.	19	19	Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	Seattle, Wash.	General.	6,671
Frimaire <sup>1</sup>	18	19	Fr.	Transports Maritimes	Marseille, France	Talara, Peru	Ballast.	
Talaralite <sup>1</sup>	15	19	Brit.	Imperial Oil Co.	Aruba, N. W. I.	Talara, Peru	Gasoline.	3,065
Staghound	18	19	Amer.	Græce Line.	Baltimore, Md.	San Antonio, Chile	General.	5,845
Port Montreal <sup>2</sup>	19	20	Brit.	M. A. N. Z. Line.	Halifax, N. S.	Sydney, Aust.	Machinery.	6,510
Ewa.	19	20	Amer.	Matson Nav. Co.	Baltimore, Md.	Manila, P. I.	(15)	8,255
Ciss	16	20	Nor.	Græce Line.	Cristobal, C. Z.	Champico, Guat.	General.	869
Mussolini <sup>2</sup>	18	19	Pan.	H. Obarrio.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Col. Riehe <sup>5</sup>	14		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow barge.	
Harpagon	19	20	Brit.	Ministry of Supply.	Swansea, Wales.	Brit. Columbia.	Ballast.	
Lionel <sup>2</sup>	19	20	Nor.	Waterman S. S. Co.	Botwood, Nfld.	Tacoma, Wash.	Copper cone.	7,997
Akiura Maru <sup>2</sup>	20	20	Jap.	Mitsubishi Shoji K.	New York, N. Y.	Moji, Japan.	(16)	9,096
Point Clear.	20	20	Amer.	Gulf-Pacific Line.	Corpus Ch'i, Tex.	Tacoma, Wash.	(17)	6,105
Carolinian	20	20	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	2,745
Wearpool <sup>2</sup>	20	20	Brit.	R. Kopner & Co.	Barry, England.	Vancouver, B. C.	Ballast.	
Nosiro Maru <sup>2</sup>	20	20	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan.	(18)	7,888
Hopridge <sup>2</sup>	20	20	Brit.	Ministry of Supply.	Manchester, Eng.	Vancouver, B. C.	Ballast.	
George M. Embiricos.	20	21	Greek.	Duval Texas Sul. Co.	Galveston, Tex.	New Zealand.	Sulphur.	8,797
Cranford.	20	21	Amer.	Chile Nit. Sales Corp.	New Orleans, La.	Iquique, Chile.	Ballast.	
Sambu <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Taira <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Pirre <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Azuma Maru <sup>2</sup>	20	21	Jap.	Nippon Yusen Kaisha	Rotterdam, Neth.	Muroran, Japan.	General.	7,075
Ceuta <sup>13</sup>	21		Col.	Colombian Govt.	Cartagena, Col.	Balboa, C. Z.	Drydock.	
King Neptune <sup>2</sup>	21	21	Brit.	Dodd, Thomson Co.	Manchester, Eng.	Brit. Columbia.	Ballast.	
Gabon <sup>2</sup>	21	21	Nor.	Isbrandtsen Moller Co.	New York, N. Y.	Vladivost'k, Rus.	General.	7,418
West Cobalt.	21	21	Amer.	Chile Nit. Sales Corp.	New Orleans, La.	Chile.	Ballast.	
Santa Maria <sup>2</sup>	21	22	Amer.	Græce Line.	New York, N. Y.	San Antonio, Chile	General.	3,297
Field.	21	23	Nor.	Chile Nit. Sales Corp.	Norfolk, Va.	Chile.	Ballast.	
Hollywood.	21	22	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General.	6,356
Lillian Luckenbach.	22	22	Amer.	Luckenbach Line.	Boston, Mass.	Seattle, Wash.	General.	3,815
San Pablo.	22	22	Pan.	United Fruit Co.	New Orleans, La.	Golfo, C. R.	Rails, pipe.	1,953
Uranienborg.	22	22	Dan.	C. K. Hansen.	New York, N. Y.	Moji, Japan.	Serap steel.	5,600
Siranger <sup>2</sup>	21	22	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Seattle, Wash.	General.	5,807
L-41 <sup>5</sup>	21		Amer.	U. S. Army.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
McCormick <sup>9</sup>	20		Amer.	U. S. Navy.	Boeas, R. P.	Balboa, C. Z.	Ballast.	
Telde.	21	23	Hond.	United Fruit Co.	New Orleans, La.	Acajutla, Salv.	General.	1,651
Forresbank <sup>2</sup>	22	23	Brit.	Bank Line, Ltd.	Galveston, Tex.	N. Plym'th, N. Z.	General.	8,003
City of Baltimore	23	23	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.	3,570
Yamazaki Maru <sup>2</sup>	22	23	Jap.	Yamashita Kisen K.	Buenos Aires, Arg.	Yokohama, Japan.	Gen., gas inc.	6,742
Vinni <sup>2</sup>	23	23	Nor.	S. Ditlev Simonsen.	Baltimore, Md.	Osaka, Japan.	Steel, gen.	8,179
Draco <sup>2</sup>	21	23	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General.	274
Marna.	23	23	Dan.	J. Lauritzen.	New York, N. Y.	Taleahuano, Chile	General.	2,236
Tennesseean.	23	23	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,850
Merchant Prince <sup>2</sup>	23	24	Brit.	Dir. of Sea Transport	Barrow, England.	Brit. Columbia.	Ballast.	
Nebraskan.	23	23	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.	2,734
Fortuna <sup>3</sup>	23	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Colombia <sup>2</sup>	22	24	Brit.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	1,200
Douro <sup>2</sup>	23	24	Neth.	Royal Neth. S. S. Co.	Curacao, N. W. I.	Guayaquil, Ecu.	General.	495
Fernplant <sup>2</sup>	23	24	Nor.	Fern Line.	Oslo, Norway.	Yokohama, Japan.	Cotton, gen.	7,807
Irisbank <sup>2</sup>	24	24	Brit.	A. Weir & Co.	Newp't News, Va.	Shanghai, China.	Tobacco.	383
Cingalese Prince <sup>2</sup>	24	24	Brit.	Prince Line, Ltd.	Philadelphia.	Kobe, Japan.	(19)	7,307
Port Hunter.	24	25	Brit.	Port Line, Ltd.	London, England.	Dunedin, N. Z.	Gen., oranges	4,050
Oremar.	23	25	Amer.	Calmar Line.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	8,137
Commissaire Ramel.	23	25	Fr.	Messageries Marit'cs.	Marseille, France	Noumea, N. Caled.	Gen., cement	1,475
Lebore.	23	25	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	
Nuevo Panama <sup>2</sup>	22	25	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	Barb wire.	307
Real <sup>2</sup>	23		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Sona <sup>2</sup>	23		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Canadian Star <sup>2</sup>	24	27	Brit.	Blue Star Line.	Liverpool, Eng.	Vancouver, B. C.	Ballast.	
Bon Secour <sup>4</sup>	24	25	Brit.	Sineemes McNaugh'n	Sorrel, Canada.	Seattle, Wash.	Ballast.	
Volunteer.	24	25	Amer.	Lykes Brothers Co.	New Orleans, La.	Shanghai, China.	(20)	8,283
El Mirlo <sup>1</sup>	24	25	Brit.	C. T. Bowring & Co.	Birkenhead, Eng.	Lobitis, Peru.	Ballast.	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>9</sup> Destroyer. <sup>13</sup> Training ship. <sup>14</sup> Serap steel, cotton. <sup>15</sup> General, coal, steel, etc. <sup>16</sup> Steel, lubricating oil. <sup>17</sup> Steel, pipe, general. <sup>18</sup> Lubricating oil, steel, machinery. <sup>19</sup> Scrap, tobacco, etc. <sup>20</sup> Serap iron, cotton.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
St. Mihiel <sup>8</sup>	25	26	Amer.	U. S. Army	New York, N. Y.	S. Francisco, Cal.	Supplies	1,662
Endicott	24	25	Amer.	Lykes Brothers & Co.	Mobile, Ala.	Manila, P. I.	Cotton, coke	6,815
Jutland	25	25	Brit.	Seaboard Shipping Co.	Newcastle, Eng.	Tacoma, Wash.	Coke	4,000
Ohoian	25	25	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General.	4,534
Waiotira <sup>2</sup>	25	25	Brit.	Shaw, Savill & Albion	Glasgow, Scot.	Lyttelton, N. Z.	General.	4,269
Loreto <sup>2</sup>	25	26	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General.	5,500
Harboe Jensen <sup>2</sup>	25	25	Nor.	United Fruit Co.	New Orleans, La.	Gofito, C. R.	(19)	1,873
Ebba <sup>2</sup>	25	25	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Willmoto <sup>2</sup>	25	26	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General.	2,519
Toyohashi Maru	25	26	Jap.	Nippon Yusen Kaisha	Norfolk, Va.	Yokohama, Japan	Gas., coke	6,750
Bradford City	25	26	Brit.	Readson Smith Line.	London, England	Vancouver, B. C.	Ballast	.....
Kirisima Maru <sup>2</sup>	25	26	Jap.	Kokusai Line	New York, N. Y.	Kobe, Japan	Gas., copper	7,822
Argual	26	27	Hond.	United Fruit Co.	New Orleans, La.	Pto. Arm'les, R.P.	Ballast	.....
Amerikaland <sup>2</sup>	26	27	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Cornish City <sup>2</sup>	26	27	Brit.	Readson Smith Line.	London, England	Vancouver, B. C.	Ballast	.....
Forbes Hauptman	25	27	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	Gen., steel	5,318
Flying Cloud <sup>2</sup>	25	27	Amer.	T. J. Williams	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Mussolini <sup>2</sup>	25	26	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Porto Bello <sup>3</sup>	26	26	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.	3
Hunter Liggett <sup>3</sup>	26	27	Amer.	U. S. Army	New York, N. Y.	S. Francisco, Cal.	General.	4,394
Fiddlers Green <sup>6</sup>	24	24	Amer.	Edmund Kelly	Baltimore, Md.	Balboa, C. Z.	Ballast	.....
Jersey City	26	27	Brit.	W. R. Smith & Sons.	Liverpool, Eng.	Vancouver, B. C.	Ballast	.....
Pereira	24	27	Pan.	Græce Line	Cristobal, C. Z.	Guayaquil, Ecu.	General.	432
Nero <sup>2</sup>	24	27	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	274
Germa	27	28	Nor.	Iwai & Co.	Providence, R. I.	Moji, Japan	(19)	7,104
Krossfonn <sup>1,2</sup>	27	27	Nor.	Peechelbronn	Donges, France.	La Libertad, Ecu.	Ballast	.....
Herman F. Whiton	27	27	Amer.	Union Sulphur Co.	Galveston, Tex.	Tacoma, Wash.	Sulphur	7,602
Sorvard <sup>2</sup>	27	28	Nor.	Isbrandtsen Moller Co.	Baltimore, Md.	Chile	Ballast	.....
Moscha L. Goul-landris.	27	27	Greek	Chile Nit. Sales Corp.	Tampa, Fla.	Chile	Ballast	.....
Torrens <sup>2</sup>	27	27	Nor.	W. Wilhelmens Line.	Oslo, Norway	Manila, P. I.	General.	7,767
Floridan	27	28	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	2,420
Oakman	27	28	Amer.	Chile Nit. Sales Corp.	Philadelphia, Pa.	Iquique, Chile	Ballast	.....
Pirre <sup>2</sup>	26	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Taira <sup>2</sup>	26	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Sambu <sup>2</sup>	26	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Sona <sup>2</sup>	26	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Agua dulce, R. P.	General.	35
Heffron	27	28	Amer.	Weyerhaeuser S.S. Co.	New York, N. Y.	Seattle, Wash.	General.	4,156
Ino <sup>2</sup>	25	28	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General.	130
Waimea	27	28	Amer.	Matson Nav. Co.	New York, N. Y.	Cebu, P. I.	(17)	7,240
Perseus	27	28	Greek.	Chile Nit. Sales Corp.	Gulfport, Miss.	Chile	Ballast	.....
Mathew Luckenbach	28	28	Amer.	Luckenbach Line.	Houston, Texas.	Seattle, Wash.	General.	6,975
Fernhill <sup>2</sup>	28	28	Nor.	Hasegawa Boeki K.	New York, N. Y.	Yokohama, Japan	Scrap iron	6,994
Fresno City <sup>2</sup>	28	29	Brit.	Mitsui Boshi	Tampa, Fla.	Japan	Phosphate	8,520
Wind Rush	22	29	Amer.	Shepard S. S. Co.	Albany, N. Y.	Tacoma, Wash.	General.	4,687
La Plata Maru <sup>2</sup>	27	29	Jap.	Osaka Syosen Kaisya	Capetown, Africa	Kobe, Japan	(18)	3,650
Bethore	26	29	Amer.	Ore S. S. Corp.	Norfolk, Va.	Cruz Gr'de, Chile	Ballast	.....
Lt. Col. H. C. Schumm. <sup>4</sup>	26	29	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Rokos Vergottis	27	29	Greek.	Hasegawa Boeki K.	Portland, Me.	Japan	Scrap steel	7,532
Mobile City	28	30	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Penang, St. Set.	Gen., steel	8,763
Pacific Enterprise <sup>2</sup>	28	29	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General.	1,068
Steel Voyager	29	29	Amer.	Isthmian S. S. Lines.	Mobile, Ala.	Mahukone, T. H.	Steel, gen.	7,711
Eolo	28	30	Span.	Anoumia Mar. Union	New York, N. Y.	Chile	Ballast	.....
Salvador	21	30	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General.	163
Mount Othrys	29	30	Pan.	Reth's & Kulukundis	Galveston, Tex.	Fremantle, Aust.	Sulphur	8,799
Santa Rita <sup>2</sup>	29	30	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	General.	2,905
Annitza	29	30	Greek.	Chile Nit. Sales Corp.	Norfolk, Va.	Chile	Ballast	.....
Penelope <sup>1,2</sup>	28	30	Pan.	Standard Oil of N. J.	Aruba, N. W. I.	Iquique, Chile	(19)	11,908
Glauco	29	30	Brit.	Ocean S. S. Co.	Boston, Mass.	Hongkong, China	General.	4,145
Lewis Luckenbach	29	30	Amer.	Luckenbach Line.	Boston, Mass.	Seattle, Wash.	General.	3,267
Atlanta City	29	30	Amer.	Isthmian S. S. Lines.	Portland, Me.	Seattle, Wash.	Gen., steel	7,935
Deroche <sup>1</sup>	30	30	Amer.	Union Oil of Calif.	Carteret, N. J.	Los Angeles, Cal.	Ballast	.....
Pennsylvania Sun. <sup>1,2</sup>	30	30	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Michael L. Embiricos.	30	30	Greek.	Chile Nit. Sales Corp.	Baltimore, Md.	Chile	Ballast	.....
Arkansas	30	30	Amer.	Amer.-Hawaiian Line.	N. London, Conn.	Seattle, Wash.	General.	3,498
Hav <sup>2</sup>	30	31	Nor.	Mitsubishi Shosen K.	Philadelphia, Pa.	Yokohama, Japan	(20)	8,791
Fortuna <sup>3</sup>	30	31	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Colombia <sup>2</sup>	29	31	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	750
All America <sup>14</sup>	31	4	Amer.	All America Cables.	High seas	High seas	Cables	235
La Purisima <sup>1</sup>	30	31	Amer.	Union Oil of Cal.	Warners, N. J.	Los Angeles, Cal.	Ballast	.....
City of Mobile	31	31	Brit.	Ellerman & Bucknall.	Philadelphia, Pa.	Sydney, Aust.	General.	5,444
Texmar	31	31	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,610

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>8</sup> Transport. <sup>14</sup> Cable ship. <sup>15</sup> Steel rods and pipe. <sup>16</sup> Scrap iron, steel. <sup>17</sup> Steel, fertilizer. <sup>18</sup> Quebracho, general, etc. <sup>19</sup> Fuel and Diesel oil. <sup>20</sup> Scrap iron, general.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Heinvard <sup>2</sup>	31	31	Nor.	Mitsui & Co.	New York, N. Y.	Yokohama, Japan	General	7,409
Manto <sup>2</sup>	29	31	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	421
Uruguay <sup>2</sup>	30	31	Swed.	Johnson Line	Stockholm, Swed.	S. Francisco, Cal.	(14)	4,987
Bon Voyage <sup>4</sup>	30	1	Brit.	Sincennes-McNaugh'n	Montreal, Canada	Seattle, Wash.	Ballast	
Sikisan Maru <sup>2</sup>	31	1	Jap.	Mitsui Bussan Kaisha	Baltimore, Md.	Yokohama, Japan	Steel, cotton	7,325
Pericles <sup>2</sup>	27	1	Neth.	Royal Neth. S. S. Co.	Curacao, N. W. I.	Valparaiso, Chile	Iron, gen.	3,214
Tuira <sup>2</sup>	30		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pirre <sup>2</sup>	30		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
San Angelo	30	1	Amer.	Quaker Line	Norfolk, Va.	Portland, Oreg.	General	4,575
Pericles <sup>1</sup>	31	1	Nor.	Petroleos Mexicanos.	Tampico, Mex.	Guaymas, Mex.	Gas, keros'e	12,126
Vibrant <sup>2</sup>	31	3	Nor.	Knutsen Line	Oslo, Norway	Guayaquil, Ecu.	Paper, cement	1,286
Stensby <sup>2</sup>	31	1	Dan.	Mitsubishi Kaisha	Pt. Arthur, Tex.	Yokohama, Japan	(15)	5,955
Paula	31	1	Dan.	West Coast Line	New York, N. Y.	Valparaiso, Chile	General	2,100
Balla <sup>2</sup>	1	2	Nor.	Smith & Johnson.	New York, N. Y.	Mazatlan, Mex.	Ballast	
Lafocomo	1	2	Amer.	Chile Nit. Sales Corp.	New York, N. Y.	Chile	Ballast	
Nuevo Panama <sup>2</sup>	30	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	400
Emidio <sup>1</sup>	1		Amer.	Socony Vac. Oil Co.	Aruba, N. W. I.	Balboa, C. Z.	Fuel oil	10,580
Gausdal <sup>2</sup>	1	2	Nor.	Isbrandtsen Moller.	New York, N. Y.	Valdivost'k, Rus.	General	7,618
Jersey <sup>2</sup>	2	2	Brit.	Morel, Ltd.	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Remuera	2	3	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	General	1,654
Tuscan Star <sup>2</sup>	2	2	Brit.	Blue Star Line	London, England	Wellington, N. Z.	Ballast	
Kiunkawa Maru <sup>2</sup>	2	2	Jap.	Kawasaki Kisen K.	New York, N. Y.	Tokuyama, Japan	Cotton, oil	8,539
Marore	31	2	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Balboa <sup>2</sup>	1	2	Swed.	Johnson Line	Goth'burg, Swed.	Valparaiso, Chile	General	1,287
Amerika <sup>2</sup>	1	2	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	685
Ebba <sup>2</sup>	2	2	Pan.	H. Obarrío.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Porto Bello <sup>2</sup>	2	2	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Sanyo Maru <sup>2</sup>	2	3	Jap.	Osaka Svosen Kaisya	Rotterdam, Neth.	Dairen, China	Gen., potash	7,877
Spencer Kellogg <sup>1</sup>	2	3	Amer.	Socony Vac. Oil Co.	Aruba, N. W. I.	Los Angeles, Cal.	Ballast	
Fort Wyndham <sup>2</sup>	3	4	Brit.	Port Line	Halifax, N. S.	Adelaide, Aus'ia	(16)	6,318
Ivaran	3	3	Nor.	De La Rama	Baltimore, Md.	Shanghai, China	Steel, gen.	5,800
Goodleigh	3	3	Brit.	Ministry of Supplies.	Cardiff, Wales	Vancouver, B. C.	Ballast	
Sambu <sup>2</sup>	2		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Lone Star <sup>2</sup>			Amer.	M. F. Slaght	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Santa Lucia	3	4	Amer.	Grace Line	New York, N. Y.	SanAntonio, Chile	General	2,501
Mallard <sup>10</sup>			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-42 <sup>7</sup>			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-43 <sup>7</sup>			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-45 <sup>7</sup>			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-47 <sup>7</sup>			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Teddy <sup>1 2</sup>	4	4	Nor	A. F. Klavness & Co.	CorpusCh'i, Tex.	Kawasaki, Japan.	Crude oil	10,313
Libery <sup>8</sup>	1		Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	General	159
Iciar	30	5	Span	Naveria Guipuzcoana.	Ceuta, Morocco	Tocopilla, Chile.	Ballast	
Kirsten B.	2	5	Nor.	Grace Line	New York, N. Y.	Champ'ico, Guat.	General	919
Lengleecrag	3	5	Brit.	Seaboard Ship. Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	
Salamis <sup>2</sup>	3	5	Nor	I. M. Skaugen	Go h'burg, Swed.	S. Francisco, Cal.	Ballast	
U. S. Grant <sup>8</sup>	4	5	Amer.	U. S. Army	New York, N. Y.	S. Francisco, Cal.	General	236
Sophocles <sup>2</sup>	4	5	Nor.	Isbrandtsen Moller	New York, N. Y.	Manila, P. I.	General	8,035
Sona <sup>2</sup>	2	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	25
Real <sup>2</sup>	2	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	27
J. Fred Talbot <sup>9</sup>	30		Amer.	U. S. Navy	Higa seas	Balboa, C. Z.	Ballast	
Nemours <sup>2</sup>	29	5	Fr.	French Line	Port Limon, C. R.	B'ventura, Col.	General	666
Vicoria City	4	5	Brit.	Ministry of Supply.	Manchester, Eng.	Vancouver, B. C.	Ballast	
Point Ancha	4	5	Amer.	Swayne & Hoyt.	New Orleans, La.	Seattle, Wash.	General	6,420
Martin Bakke <sup>2</sup>	4	5	Nor.	Knutsen Line	Belfast, Ireland.	Vancouver, B. C.	Ballast	
Ripley <sup>2</sup>	4	5	Brit.	Stephens Sutton, Ltd.	Hull, England	Vancouver, B. C.	Ballast	
Heranger <sup>2</sup>	5	6	Nor.	Interocean S. S. Co.	New Orleans, La.	Los Angeles, Cal.	Ballast	
Nemaha <sup>13</sup>	4		Amer.	U. S. Navy	Baltimore, Md.	Seattle, Wash.	Ballast	
Argyll	5	6	Brit.	Canadian Transp. Co.	Sunderland, Eng.	Brit. Columbia	Ballast	
Orotava	4	6	Hond.	United Fruit Co.	New Orleans, La.	Colfito, C. R.	General	1,387
Rita <sup>1</sup>	5		Neth.	Cur. Scheepv. My...	Curacao, N. W. I.	Balboa, C. Z.	Crude oil	3,927
William Luckenbach.	6	6	Amer.	Luckenbach Line.	Boston, Mass.	Seattle, Wash.	General	4,562
W. S. Miller <sup>1</sup>	6	6	Amer.	Standard Oil of Cal.	Baltimore, Md.	S. Francisco, Cal.	Ballast	
Havkong <sup>1 2</sup>	6	7	Nor.	Mitsui Bussan Kaisha	Houston, Tex.	Yokohama, Japan	Fuel oil	14,225
City of Singapore.	6	6	Brit.	Ellerman & Bucknall	New York, N. Y.	Far East	(17)	7,800
Frida	6	7	Dan.	West Coast Line	New York, N. Y.	Talcahuano, Chile	General	2,305
Tachira	1	7	Pan.	Grace Line	Curacao, N. W. I.	Guayaquil, Ecu.	Coffee, gen.	952
Mussolini <sup>2</sup>	5		Pan.	H. Obarrío.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Fortuna <sup>2</sup>	6		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Columbia <sup>2</sup>	5	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	1,000
Hawaiian	6	7	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Tacoma, Wash.	General	5,052
City of Newport News.	7	7	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General	4,910
Svealand <sup>2</sup>	7	7	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Eglantine	7	7	Amer.	Lykes Brothers Co.	New Orleans, La.	Shanghai, China.	General	6,627
Prusa	6	7	Amer.	Grace Line	New York, N. Y.	SanAntonio, Chile	General	4,647

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>6</sup> Submarine. <sup>7</sup> Transport. <sup>8</sup> Destroyer. <sup>9</sup> Mine sweeper. <sup>10</sup> Patrol boat. <sup>11</sup> Paper, pulp, general. <sup>12</sup> Oil, scrap iron, etc. <sup>13</sup> Paper, asbestos, etc. <sup>14</sup> General, scrap iron.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Port Melbourne.	6	8	Brit.	Port Line, Ltd.	New York, N. Y.	Adelaide, Aus'lia.	General.	7,992
Sambu <sup>2</sup>	6	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Tuira <sup>2</sup>	6	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
President Garfield.	8	8	Amer.	Amer.-President Lines	New York, N. Y.	S. Francisco, Cal.	Gen., cotton.	5,388
Copiapo <sup>2</sup>	6	8	Chile.	Sud. Amer. de Vapor.	New York, N. Y.	Valparaiso, Chile.	General.	3,665
Clairy <sup>1</sup>	7	8	Pan.	Bernuth Lembecke Co.	Tyne, England.	Oakland, Calif.	Cresote oil.	7,981
Istmo.	6	8	Colo.	Colombiana Cabotajo.	Barranquilla, Col.	B'ventura, Col.	(14)	777
Petrolite <sup>1 2</sup>	8	9	Brit.	Imperial Oil Co.	Halifax, N. S.	Talara, Peru.	Ballast.	
Washington.	8	8	Amer.	Promsyrje Import.	Tampico, Mexico.	Vladivost'k, Rus.	Pig lead.	7,000
Draco <sup>2</sup>	5	8	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	255
Nero <sup>2</sup>	6	8	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.	363
Sapinero.	8	9	Amer.	Amer.-For. S. S. Corp.	New Orleans, La.	Long View, Wash.	Sulphur.	7,395
Black Eagle.	2	9	Amer.	Eastman S. S. Co.	Baltimore, Md.	Seattle, Wash.	General.	6,800
San Clemente.	7	9	Amer.	Quaker Line.	New York, N. Y.	Tacoma, Wash.	General.	5,404
Porto Bello <sup>3</sup>	8	8	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General.	3
Ebba <sup>2</sup>	6	8	Pan.	H. Obarrio.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Orduna.	8	9	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General.	3,590
Duquesne.	8	9	Amer.	Chile Nit. Sales Corp.	Savannah, Ga.	Chile.	Ballast.	
Mauna Kea.	8	9	Amer.	Ishmian S. S. Lines.	New York, N. Y.	Hilo, T. H.	General.	5,334
City of Joliet.	9	9	Amer.	Chile Nit. Sales Corp.	Wilmington, N. C.	Iquique, Chile.	Ballast.	
Guayaquil.	9	9	Amer.	Amorg Trad. Corp.	New York, N. Y.	Manzanillo, Mex.	Copper.	3,883
Annie Johnson <sup>2</sup> .	8	10	Swed.	Johnson Line.	Stockholm, Swed.	Seattle, Wash.	Gen., coffee.	2,782
Nuevo Panama <sup>2</sup> .	7	9	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	(15)	250
Virgilio <sup>2</sup>	8	10	Ital.	Italia Line.	Genoa, Italy.	Valparaiso, Chile.	General.	847
Pandora <sup>13</sup>	8	11	Amer.	Coast Guard.	Key West, Fla.	Acapulco, Mexico.	Ballast.	
Titus.	7	10	Neth.	Royal Neth. S. S. Co.	Amsterdam, Neth.	Chile.	General.	1,978
Waiwera <sup>2</sup>	9	10	Brit.	Shaw, Savill & Albion	London, England.	Auckland, N. Z.	Ballast.	
New York <sup>1</sup>	9	9	Amer.	The Texas Co.	Pt. Arthur, Tex.	Balboa, C. Z.	Gasoline.	2,800
Overton <sup>9</sup>	30	9	Amer.	U. S. Navy.	High seas.	Balboa, C. Z.	Ballast.	
Penmar.	8	10	Amer.	Calmar Line.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,569
Wacosta.	9	10	Amer.	States Marine Corp.	Texas City, Tex.	Osaka, Japan.	Scrap iron.	7,500
Pacific Pioneer <sup>2</sup> .	9	10	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General.	289
Nevadan.	9	10	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.	3,963
Walter A. Luckenbach.	9	11	Amer.	Luckenbach Line.	Tampa, Florida.	Seattle, Wash.	General.	5,739
Mayari.	10	11	Pan.	United Fruit Co.	Boston, Mass.	Quepos, C. R.	General.	3,177
Desoto.	9	11	Amer.	Waterman S. S. Co.	Baltimore, Md.	Seattle, Wash.	General.	2,684
Fernmoor <sup>2</sup>	9	11	Nor.	Fern Line.	Mobile, Ala.	Shanghai, China.	Iron, lead.	7,087
Karun.	9	11	Fin.	N. Atlantic S. S. Co.	LaGuayra, Venez.	Chicama, Peru.	Ballast.	
Pirre <sup>2</sup>	9	9	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Real <sup>2</sup>	9	10	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	Flour.	10
Sona <sup>2</sup>	9	9	Pan.	Elliot Land & Ship. Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	

PACIFIC TO ATLANTIC

Deroche <sup>1</sup>	10	11	Amer.	Union Oil Co. of Calif.	S. Francisco, Cal.	Sewaren, N. J.	Fuel oil.	9,914
Nako Maru <sup>2</sup>	10	12	Jap.	Nippon Yusen Kaisya	Manila, P. I.	Baltimore, Md.	General.	5,110
Kanto Maru <sup>2</sup>	11	12	Jap.	Osaka Syosen Kaisya.	Davao, P. I.	Baltimore, Md.	(16)	5,098
Mussolini <sup>1</sup>	11	12	Pan.	H. Obarrio.	Darien, R. P.	Cristobal, C. Z.	Bananas.	80
Frida.	11	11	Dan.	West Coast Line.	Talcahuano, Chile.	New York, N. Y.	General.	2,656
Choluteca.	11	12	Amer.	United Fruit Co.	Corinto, Nic.	New Orleans, La.	Ballast.	
La Purisima <sup>1</sup>	11	11	Amer.	Union Oil Co. of Calif.	Los Angeles, Cal.	Paulsboro, N. J.	(17)	6,574
Arizona.	11	11	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	7,574
Notos <sup>2</sup>	11	12	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	General.	1,364
K. I. Luckenbach.	11	12	Amer.	Luckenbach Line.	Portland, Oreg.	Boston, Mass.	General.	7,747
Atutasan Maru <sup>2</sup>	11	11	Jap.	Mitsui Bussan Kaisha	Manila, P. I.	Baltimore, Md.	General.	6,613
Nitro.	10	13	Amer.	U. S. Navy.	San Diego, Calif.	Norfolk, Va.	General.	370
Baxter Gate.	11	12	Brit.	British Govt.	Vancouver, B. C.	United Kingdom.	Lum., wheat	9,035
Humphreys <sup>9</sup>	12	16	Amer.	U. S. Navy.	Balboa, C. Z.	Cristobal, C. Z.		
Winona.	11	12	Amer.	Weyerhaeuser S.S. Co.	S. Francisco, Cal.	Chester, Pa.	Lumber, gen.	8,599
Fortuna <sup>2</sup>	12	13	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	78
Kirsten Maersk.	11	12	Dan.	Golodetz & Co., N. Y.	Chicama, Peru.	Dublin, Ireland.	Sugar.	3,400
Santa Rita <sup>2</sup>	11	13	Amer.	Grace Line.	Autofgasta, Chile.	New York, N. Y.	General.	3,552
Moir <sup>1</sup>	11	12	Nor.	Proctor & Gamble.	Manzanillo, Mex.	New York, N. Y.	Coconut oil.	1,500
West Cape.	9	12	Amer.	McCormick S. S. Co.	Townsend, Wash.	Philadelphia, Pa.	Lumber, gen.	6,000
J. L. Luckenbach.	12	12	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	(18)	8,346
Modjokerto <sup>2</sup>	12	13	Neth.	Java-Pacific Line.	Davao, P. I.	Calcutta, India.	General.	4,146
Real <sup>2</sup>	12	13	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	33
Tuira <sup>2</sup>	12	13	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	58
Pirre <sup>2</sup>	12	13	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	37
Taketoyo Maru.	12	13	Jap.	Nippon Yusen Kaisha	Osaka, Japan.	New York, N. Y.	General.	4,060
Houston City <sup>2</sup> .	12	13	Brit.	Readson Smith Line.	Vancouver, B. C.	United Kingdom.	Wheat, lum.	9,000
Marore.	13	13	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile.	Baltimore, Md.	Iron ore.	21,800
American Robin.	12	13	Amer.	Amer.-For. S. S. Corp.	Pt. Angeles, Wash.	New York, N. Y.	Lumber.	6,970
Argual.	13	13	Hond.	United Fruit Co.	Pt. Arnales, R. P.	New Orleans, La.	Bananas.	830

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>9</sup> Destroyer. <sup>13</sup> Patrol boat. <sup>14</sup> Salt, flour, general. <sup>15</sup> Barb wire, steel. <sup>16</sup> Rubber, silk, general. <sup>17</sup> Crude oil, solvent. <sup>18</sup> Lumber, canned goods, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Maine.....	12	13	Amer..	Calif.-Eastern Line...	Los Angeles, Cal.	Philadelphia, Pa.	Lumber, gen.	8,086
Yorkmar.....	13	13	Amer..	Calmar S. S. Corp....	Seattle, Wash.	Baltimore, Md....	Lum., copper	7,917
Tropic Sea <sup>2</sup> .....	13	13	Nor...	Canadian Gulf Line...	Powell Riv., B. C.	Houston, Tex....	(16)	5,246
Point Lobos.....	13	13	Amer..	Swayne & Hoyt.....	Seattle, Wash.	Tampa, Fla.....	(17)	5,842
Alabama.....	13	14	Fr....	French Line.....	Talcahuano, Chile	Havre, France...	Cotton, ores.	7,400
Nordhavet <sup>4</sup> .....	13	14	Dan...	Joh. Bruhn.....	Kohsichang, Siam	Nuevitas, Cuba..	Rice.....	7,700
Sandpiper <sup>4</sup> .....	14	14	Amer..	U. S. Navy.....	Balboa, C. Z....	Cristobal, C. Z..		
Silvertcak <sup>2</sup> .....	13	14	Brit...	Kerr S. S. Co.....	Calcutta, India..	New York, N. Y.	General.....	8,953
Panaman.....	14	14	Amer..	Amer.-Hawaiian Line.	Seattle, Wash....	Baltimore, Md....	General.....	7,170
Leonidas M.....	14	14	Greek.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Kingston, Jam...	Nitrate.....	7,700
Copiapo <sup>2</sup> .....	14	14	Chile.	Sud Amer. de Vapores	Valparaiso, Chile.	New York, N. Y.	General.....	3,678
Manto <sup>2</sup> .....	14	17	Neth...	Royal Neth. S. S. Co.	Esmeraldas, Ecu	Cristobal, C. Z..	(18)	372
Colombia <sup>2</sup> .....	14	17	Pan...	Elliot Ship. & Land Co.	B'ventura, Col...	Cristobal, C. Z..	Coffee.....	1,235
D. G. Scofield <sup>1</sup>	15	15	Amer..	Shell Oil Co.....	Los Angeles, Cal.	Bayonne, N. J...	Fuel oil.....	10,636
Erviken.....	15	15	Nor...	Steel Bros., London.	Kohsichang, Siam	Habana, Cuba...	Rice.....	9,271
Ebba <sup>2</sup> .....	15	18	Pan...	H. Obarrio.....	Darien, R. P....	Cristobal, C. Z..	Bananas.....	50
Wisconsin.....	15	16	Fr....	French Line.....	Vancouver, B. C.	France.....		6,603
Nero <sup>2</sup> .....	15	18	Neth...	Royal Neth. S. S. Co.	B'ventura, Col...	Cristobal, C. Z..	Coffee.....	479
Magister.....	15	15	Brit...	J. S. Webster & Sons.	Frazer Riv., B. C.	Kingston, Jam...	Lumber, gen.	3,160
Overton <sup>9</sup> .....	15	15	Amer..	U. S. Navy.....	Balboa, C. Z....	Cristobal, C. Z..		
McCormick <sup>9</sup> .....	15	15	Amer..	U. S. Navy.....	Balboa, C. Z....	Cristobal, C. Z..		
Harpoon.....	15	15	Amer..	Shepard S. S. Co....	S. Francisco, Cal.	Boston, Mass....	Lumber, gen.	8,685
Margrethe Bakke	15	15	Nor...	Knutsen Line.....	Valparaiso, Chile.	Goth'burg, Swed.	General.....	7,789
Porto Bello <sup>2</sup> .....	15	15	Pan...	A. Tagaropulos.....	Darien, R. P....	Cristobal, C. Z..	Fruit, lum....	14
Glenmoor <sup>2</sup> .....	15	16	Brit...	Continental Trad. Co.	Singapore, St. Set.	New York, N. Y.	(19)	7,587
Gen. W. M. Graham. <sup>11</sup>	16	16	Amer..	U. S. Army.....	Balboa, C. Z....	Cristobal, C. Z..		
Pennsylvania Sun. <sup>1 2</sup>	16	16	Amer..	Sun Oil Co.....	El Segundo, Calif.	Marcus Hook, Pa.	Gasoline.....	17,507
Ciss.....	15	15	Nor...	Grace Line.....	Champ'ico, Guat.	Cristobal, C. Z..	General.....	472
Kainalu.....	15	16	Amer..	Matson Nav. Co....	Kahului, T. H.	Philadelphia, Pa.	(20)	7,592
Robert Maersk <sup>2</sup>	16	16	Dan...	Isbrandtsen Moller.	Saivavery, Peru..	Boston, Mass....	Sugar.....	3,538
Comol Rico <sup>1</sup> .....	16	17	Amer..	Commercial Molasses.	S. Francisco, Cal.	New York, N. Y.	Molasses....	7,443
Sona <sup>2</sup> .....	16	18	Pan...	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z..	Bananas.....	22
Real <sup>2</sup> .....	16	17	Pan...	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z..	Bananas.....	25
Dallas City <sup>2</sup> .....	16	17	Brit...	Readon-Smith Line.	Vancouver, B. C.	United Kingdom.	Grain, lum...	9,000
Sedgepool.....	16	17	Brit...	Anglo-Can. S. S. Co.	S. Francisco, Cal.	United Kingdom.	Gen., lumber	8,620
Napier Star.....	16	17	Brit...	Blue Star Line.....	Lyttelton, N. Z.	London, England	Refrig., gen.	7,859
BonningCourt <sup>2</sup>	16	17	Brit...	Haldin & Philipps...	Victoria, B. C...	London, England	Lumber, lead	8,500
U. S. Grant <sup>8</sup> .....	16	17	Amer..	U. S. Army.....	S. Francisco, Cal.	New York, N. Y.	General.....	62
Orazio <sup>2</sup> .....	17	18	Ital...	Italian Line.....	Valparaiso, Chile.	Genoa, Italy.....	Copper.....	2,601
Kyusyu Maru <sup>2</sup>	17	18	Jap...	Osaka Syosen Kaisya.	Dairen, China...	Antwerp, Belg...	Copper.....	5,024
Nightingale.....	17	18	Amer..	Grace Line.....	Valparaiso, Chile.	New York, N. Y.	General, sugar	8,957
Erria.....	18	18	Dan...	East Asiatic Co....	Vancouver, B. C.	Copenhagen, Den.	General.....	6,512
Mussolini <sup>2</sup> .....	18	19	Pan...	E. Obarrio.....	Darien, R. P....	Cristobal, C. Z..	Bananas.....	75
Point San Pablo.	16	18	Amer..	McCormick S. S. Co.	Townsend, Wash.	San Juan, P. R..	Lumber, gen.	3,700
Mosfruit <sup>2</sup> .....	17	18	Nor...	Martin Mosvold.....	Tacoma, Wash...	Antwerp, Belg...	General.....	2,975
Abraham Lincoln <sup>2</sup>	17	19	Nor...	Fred Olsen Line...	Vancouver, B. C.	Oslo, Norway...	Gen., wheat.	7,628
Edwin Christenson.	17	19	Amer..	Sudden & Christenson	Vancouver, Oreg.	Baltimore, Md....	Lumber.....	6,945
Fortuna <sup>2</sup> .....	19	20	Pan...	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z..	Bananas.....	85
Honoumu.....	18	19	Amer..	Matson Nav. Co....	Pt. Allen, T. H.	New York, N. Y.	(21)	7,850
Mau.....	18	20	Amer..	Baltimore Mail S.S.Co.	Los Angeles, Cal.	Baltimore, Md....	General.....	5,220
Istmo.....	18	20	Colom.	Colombian Cabotaje..	B'ventura, Col...	Cristobal, C. Z..	Coffee, ore	648
Yamakaze Maru <sup>2</sup>	18	20	Jap...	Yamashita Kisen K.	Keelung, Japan.	Buenos Aires, Arg.	(22)	5,492
Brimanger <sup>2</sup> .....	18	19	Nor...	Interocean S. S. Corp.	Seattle, Wash....	Rotterdam, Neth.	Gen., grain...	7,330
Anniston City.....	18	19	Amer..	Isthmian S. S. Lines.	Manila, P. I....	Baltimore, Md....	(23)	7,643
Moveria <sup>2</sup> .....	18	20	Brit...	Donaldson Bros. & Co.	Vancouver, B. C.	Glasgow, Scot...	General.....	5,733
Colombia <sup>2</sup> .....	19	21	Swed...	Johnson Line.....	Seattle, Wash....	Goth'burg, Swed.	Coffee, gen.	3,353
Sambu <sup>2</sup> .....	19	20	Pan...	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z..	Bananas.....	55
Taira <sup>2</sup> .....	19	20	Pan...	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z..	Bananas.....	54
Pirre <sup>2</sup> .....	19	20	Pan...	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z..	Bananas.....	48
Missourian.....	19	20	Amer..	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass....	General.....	8,604
Illinois.....	19	20	Amer..	The Texas Co.....	San Luis, Calif.	Pt. Arthur, Tex.	Gasoline.....	7,482
W. S. Miller.....	20	20	Amer..	Standard Oil of Calif.	S. Francisco, Cal.	Baltimore, Md....	Furnace oil.	9,676
Santa Lucia.....	20	21	Amer..	Grace Line.....	San Antonio, Chile	New York, N. Y.	General.....	5,901
Nemours.....	20	26	Fr....	French Line.....	Guayaquil, Ecu.	Cristobal, C. Z..	Ivory nuts	62
Lautaro <sup>2</sup> .....	20	21	Brit...	Pacific Steam Nav.Co.	Iquique, Chile...	England.....	Nit., cotton	7,514
Oregonian.....	21	21	Amer..	Amer.-Hawaiian Line.	Tacoma, Wash...	Boston, Mass....	General.....	6,131
Salvador.....	21	21	Brit...	Pacific Steam Nav.Co.	Guayaquil, Ecu.	Cristobal, C. Z..	General.....	263
All America.....	20	26	Amer..	All America Cables.	Callao, Peru....	Cristobal, C. Z..	Cable.....	249
Elisabeth Bakke <sup>2</sup>	21	22	Nor...	Knut Knutsen O.A.S.	Vancouver, B. C.	Liverpool, Eng.	Fruit, gen.	7,526
Orbita.....	21	22	Brit...	Pacific Steam Nav.Co.	Talcahuano, Chile	Liverpool, Eng.	Oats, tin...	6,893
Draco <sup>2</sup> .....	21	23	Neth...	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z..	Rubber, gen.	371
City of Joliet.....	21	21	Amer..	Chile Nit. Sales Corp.	Tocopilla, Chile.	Charleston, S. C.	Nitrate.....	9,316
L-41 <sup>5</sup> .....	21	21	Amer..	U. S. Army.....	Balboa, C. Z....	Cristobal, C. Z..		

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>8</sup> Transport. <sup>9</sup> Destroyer. <sup>11</sup> Mine planter. <sup>16</sup> Paper, shingles.

<sup>17</sup> Lumber, potash, general. <sup>18</sup> Coffee, wood, general. <sup>19</sup> Rubber, tin, pepper. <sup>20</sup> Sugar, canned pineapples.

<sup>21</sup> Raw sugar, pineapples. <sup>22</sup> Chrome ore, general. <sup>23</sup> Rubber, tin, hemp.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Svealand <sup>2</sup>	21	22	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,600
Fresno Star	19	22	Brit.	Blue Star Line	Seattle, Wash.	Liverpool, Eng.	Fruit, gen.	7,278
Nuevo Panama <sup>2</sup>	21	24	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Ivory nuts	134
Ebba <sup>2</sup>	22	25	Pan.	H. Obarrio	El Real, R. P.	Cristobal, C. Z.	Bananas	50
Western Head	21	22	Brit.	States Marine Corp.	Chicama, Peru.	Casa Blanca, Afr.	Sugar	3,580
Lihue	21	22	Amer.	Matson Nav. Co.	Honolulu, T. H.	Baltimore, Md.	(14)	8,637
Fjordaa <sup>2</sup>	21	22	Nor.	Eagle Oil & Ship. Co.	S. Francisco, Cal.	Curacao, N. W. I.	Gas., keros'e	10,363
Bill	21	22	Nor.	No. Pan America Line	Salavery, Peru.	Casa Blanca, Afr.	Brown sugar	3,750
Orotava	22	23	Hond.	United Fruit Co.	Acajutla, Salv.	New Orleans, La.	(15)	1,017
Kagu Maru <sup>2</sup>	21	23	Jap.	Kokusai Kisen Kaisha	Penang, St. Set.	Houston, Tex.	(16)	5,917
Colombia <sup>2</sup>	22	24	Colom.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	1,146
Akagi Maru <sup>2</sup>	22	23	Jap.	Nippon Yusen Kaisha	Keelung, Formosa	Baltimore, Md.	Silk, gen.	3,011
Porto Bello	22	22	Pan.	A. Tataropoulos	Darien, R. P.	Colon, R. P.	Fruit, lum.	15
Hydra <sup>4</sup>	22	22	Pan.	L. S. Constantine	Balboa, C. Z.	Cristobal, C. Z.	(17)	
San Lucas	22	22	Amer.	States S. S. Co.	Portland, Oreg.	Philadelphia, Pa.	Gen., lumber	10,147
Syros	22	23	Amer.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Charleston, S. C.	Nitrate	9,376
Robert Luckenbach	23	23	Amer.	Luckenbach Line	Everett, Wash.	Boston, Mass.	Gen., lumber	8,471
Kinai Maru <sup>2</sup>	23	24	Jap.	Osaka Syosen Kaisya	Kobe, Japan.	Baltimore, Md.	General	3,091
Tamaroa	23	24	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	London, England	Frozen, gen.	6,499
Sona <sup>2</sup>	23	24	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	25
Real <sup>2</sup>	23	24	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Travalgan <sup>2</sup>	23	24	Brit.	Anglo-Can. S. S. Co.	N. Westm'r, B. C.	Liverpool, Eng.	Lum., lead	8,597
Asaka Maru <sup>2</sup>	23	24	Jap.	Nippon Yusen Kaisya	Woosung, China.	Rotterdam, Neth.	General	6,864
Laila	24	25	Dan.	Wessel, Duval & Co.	Casma, Peru.	New York, N. Y.	General	2,612
City of Glasgow	24	25	Brit.	M. A. N. Z. Line	Auckland, N. Z.	Halifax, N. S.	Ore, gen.	5,065
Pereira	24	27	Pan.	Grace Line	La Union, Salv.	Cristobal, C. Z.	Coffee, gen.	1,123
Marathon	24	25	Greek	Rigg & Thue, Ltd.	Sta. Rosalia, Mex.	U. S. gulf port.	Ballast	
Nero <sup>2</sup>	24	27	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	(18)	521
Niel Maersk <sup>2</sup>	24	25	Dan.	A. P. Moller	Sagay, P. I.	Savannah, Ga.	General	4,747
Duquesne	24	24	Amer.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	Nit. of soda	9,330
Santoro	24	24	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,300
Western Prince <sup>2</sup>	24	25	Brit.	Furness Prince Line	Vancouver, B. C.	United Kingdom.	Gen., airpl's	6,526
Mussolini <sup>2</sup>	25	26	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	80
Dusseldorf <sup>2</sup>	25	26	Brit.	British Government	Valparaiso, Chile.	Jamaica, B. W. I.	Ballast	
Ino <sup>2</sup>	24	28	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(19)	540
Kupa	25	25	Y-Slav	Chile Nit. Sales Corp.	Iquique, Chile	Azores <sup>13</sup>	Nitrate	7,340
Goyo Maru	25	26	Jap.	Kawasaki K. Kaisya	Manila, P. I.	Houston, Tex.	Fish meal, gen.	4,790
Steelore	26	26	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,500
Elizabeth Kellogg	25	26	Amer.	Kellogg S. S. Corp.	Manila, P. I.	New York, N. Y.	Coconut oil	6,720
Norvinn <sup>1 2</sup>	26	26	Pan.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	(20)	9,900
Fortuna <sup>2</sup>	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	83
Florence Luckenbach	26	27	Amer.	Luckenbach Line	Stockton, Calif.	New York, N. Y.	Sugar, gen.	6,720
Taira <sup>2</sup>	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	58
Sambu <sup>2</sup>	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	60
Sona <sup>2</sup>	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	23
Pirre <sup>2</sup>	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	43
Lieut. Col. H. C. Sehum <sup>4</sup>	26	28	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
John A. Brown <sup>1 2</sup>	26	27	Brit.	Standard Oil of N. J.	Talara, Peru.	London, England	(21)	14,329
Albion Star	26	28	Brit.	Blue Star Line	Los Angeles, Cal.	United Kingdom.	(22)	7,407
Onomea	27	27	Amer.	Matson Nav. Co.	Port Allen, T. H.	New York, N. Y.	Raw sugar	7,330
H. D. Collier <sup>1</sup>	27	27	Amer.	Standard Oil of Calif.	Los Angeles, Cal.	New York, N. Y.	Furnace oil	11,377
Kansan	27	27	Amer.	Amer.-Hawaian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	6,901
City of Elwood <sup>2</sup>	27	28	Amer.	Roosevelt S. S. Co.	Haiphong, China.	Baltimore, Md.	(23)	7,887
Orangeleaf <sup>1</sup>	27	28	Brit.	British Admiralty	Callao, Peru.	Caribbean Sea	(24)	146
Hercules	27	28	Neth.	Watson, Grace & Co.	Antof'gasta, Chile	Galveston, Tex.	Lead ore	3,710
Elg <sup>2</sup>	27	28	Nor.	Canadian-Gulf Line	Powell Riv., B. C.	Houston, Tex.	(25)	5,074
Titania <sup>2</sup>	27	29	Nor.	Barber-Wilhelmsen	Sagay, P. I.	New York, N. Y.	General	6,080
Santa Barbara <sup>2</sup>	28	29	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	Copper, gen.	5,308
W. B. Walker <sup>1 2</sup>	27	28	Brit.	Standard Oil of N. J.	Talara, Peru.	London, England	(21)	13,526
George M. Livanos	27	28	Greek.	Chile Nit. Sales Corp.	Iquique, Chile	Gibraltar <sup>13</sup>	Nitrate	9,152
Rotorua	28	29	Amer.	N. Z. Shipping Co.	Lyttelton, N. Z.	United Kingdom.	(26)	7,235
City of Los Angeles	28	30	Brit.	Panama-Pacific Line	Los Angeles, Cal.	New York, N. Y.	General	5,772
Lucijana	27	29	Y-Slav	Chile Nit. Sales Corp.	Tocopilla, Chile.	Alexandria, Egypt	Nitrate	7,350
Ebba <sup>2</sup>	29	29	Pan.	H. Obarrio	El Real, R. P.	Cristobal, C. Z.	Bananas	50
Athelqueen <sup>1 2</sup>	28	29	Brit.	United Molasses Co.	Pt. Allen, T. H.	Birkenhead, Eng.	Molasses	13,142
Colombia <sup>2</sup>	28	31	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	1,242
Frimaire <sup>1</sup>	28	29	Fr.	Raffineres de Berre.	Talara, Peru	Pt. de Bouc, Fr.	Crude oil	12,882
Henry D. Whiton	28	29	Amer.	Dutton Lumber Corp.	Seattle, Wash.	Providence, R. I.	Lumber	5,300
Sinaloa	28	30	Hond.	United Fruit Co.	Golfito, C. R.	Savannah, Ga.	Ballast	
Losmar	28	29	Amer.	Calmar Line	Tacoma, Wash.	New York, N. Y.	Lumber	7,587
Point Salinas	28	29	Amer.	Gulf-Pacific Line	Portland, Oreg.	Panama City, Fla	General	6,319
Manto <sup>2</sup>	29	31	Neth.	W. I. Scheepvaert	Guayaquil, Ecu.	Cristobal, C. Z.	(27)	387
Aldington Court <sup>2</sup>	28	30	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	United Kingdom.	Lum., grain	8,600

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug <sup>5</sup> Launch. <sup>13</sup> For orders. <sup>14</sup> Sugar, pineapples, canec. <sup>15</sup> Coffee, bananas. <sup>16</sup> Cotton goods, general. <sup>17</sup> Towed by Porto Bello. <sup>18</sup> Coffee, hides, general. <sup>19</sup> Rice, cocoa, skins. <sup>20</sup> Kerosene distillate. <sup>21</sup> Kerosene, gasoline. <sup>22</sup> Fruit, meat, general. <sup>23</sup> Chrome, ore, sugar, general. <sup>24</sup> Fuel oil, Diesel oil, gasoline. <sup>25</sup> Shingles, newspaper. <sup>26</sup> Meat, wool, general. <sup>27</sup> Skins, coffee, general.

## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Porto Bello <sup>2</sup> . . . . .	29	32	Pan.	A. Tagaropoulos . . . . .	Darien, R. P. . . . .	Colon, R. P. . . . .	Fruit, lum.	15
Jane Christenson . . . . .	29	29	Amer.	Arrow Line . . . . .	So. Bend, Wash. . . . .	New York, N. Y. . . . .	Lumber . . . . .	6,724
Ousebridge . . . . .	29	30	Brit.	Anglo-Can. S. S. Co. . . . .	Victoria, B. C. . . . .	London, England . . . . .	Lumber, gen.	9,364
Iowan . . . . .	29	30	Amer.	Amer.-Hawaiian Line . . . . .	Seattle, Wash. . . . .	Boston, Mass. . . . .	General . . . . .	6,526
Argual . . . . .	30	30	Hond.	United Fruit Co . . . . .	Pto. Armies, R. P. . . . .	New Orleans, La. . . . .	Bananas . . . . .	618
Douro <sup>2</sup> . . . . .	30	30	Neth.	W. I. Scheepvaart . . . . .	Tumaco, Col. . . . .	Cristobal, C. Z. . . . .	(14)	463
Nuevo Panama <sup>2</sup> . . . . .	30	31	Pan.	Elliot Ship. & Land Co. . . . .	B'ventura, Col. . . . .	Cristobal, C. Z. . . . .	Coffee . . . . .	217
Tuira <sup>2</sup> . . . . .	30	31	Pan.	Elliot Ship. & Land Co. . . . .	Darien, R. P. . . . .	Cristobal, C. Z. . . . .	Bananas . . . . .	40
Pirre <sup>2</sup> . . . . .	30	31	Pan.	Elliot Ship. & Land Co. . . . .	Darien, R. P. . . . .	Cristobal, C. Z. . . . .	Bananas . . . . .	25
Ven-Koh . . . . .	28	31	Nor.	Everett S. S. Corp. . . . .	Yokohama, Japan . . . . .	New Orleans, La. . . . .	(15)	7,317
Chilore . . . . .	31	31	Amer.	Ore S. S. Corp. . . . .	Cruz Gr'de, Chile . . . . .	Baltimore, Md. . . . .	Iron ore . . . . .	21,000
New Orleans <sup>2</sup> . . . . .	30	31	Amer.	Amer.-Pioneer Line . . . . .	Sydney, Australia . . . . .	Halifax, N. S. . . . .	General . . . . .	7,644
Archangelos . . . . .	30	31	Greek.	Chile Nit. Sales Corp. . . . .	Antof'gasta, Chile . . . . .	Gibraltar <sup>13</sup> . . . . .	Nitrate . . . . .	8,530
Texan . . . . .	31	1	Amer.	Amer.-Hawaiian Line . . . . .	Portland, Oreg. . . . .	Boston, Mass. . . . .	Lumber, gen.	9,218
Ville D'Amiens . . . . .	1	3	Fr.	Messageries Marit'es . . . . .	Papeete, Soc. Is. . . . .	Marseille, France . . . . .	Copra, gen.	5,286
Laurits Swenson <sup>2</sup> . . . . .	31	1	Nor.	Fred Olsen & Co. . . . .	Vancouver, B. C. . . . .	Norway . . . . .	General . . . . .	7,437
Evanthia . . . . .	1	1	Greek.	Goulandris Bros., Ltd. . . . .	Toopilla, Chile . . . . .	Piraeus, Greece . . . . .	Nitrate . . . . .	5,822
Cellina <sup>2</sup> . . . . .	1	3	Ital.	Italian Line . . . . .	Vancouver, B. C. . . . .	Trieste, Italy . . . . .	General . . . . .	6,250
Helene Kulukundis . . . . .	1	2	Greek.	Swiss Government . . . . .	Valdivia, Chile . . . . .	Genoa, Italy . . . . .	Oats . . . . .	5,427
Paul Luckenbach . . . . .	1	1	Amer.	Luckenbach Line . . . . .	Townsend, Wash. . . . .	Boston, Mass. . . . .	Lumber, gen.	9,200
Kinka Maru <sup>2</sup> . . . . .	1	2	Jap.	Kokusai Kaisen Kaisya . . . . .	Manila, P. I. . . . .	Houston, Tex. . . . .	(16)	7,333
Lotta . . . . .	1	2	Dan.	West Coast Line . . . . .	Salaverry, Peru . . . . .	New York, N. Y. . . . .	General . . . . .	3,150
Hankua . . . . .	2	2	Amer.	Matson Nav. Co. . . . .	Honolulu, T. H. . . . .	Baltimore, Md. . . . .	(17)	8,125
Fortuna <sup>2</sup> . . . . .	3	3	Pan.	Elliot Ship. & Land Co. . . . .	Darien, R. P. . . . .	Cristobal, C. Z. . . . .	Bananas . . . . .	90
Mina L. Cambanis . . . . .	2	2	Greek.	Chile Nit. Sales Corp. . . . .	Antof'gasta, Chile . . . . .	Ternezen, Neth. . . . .	Nitrate . . . . .	7,750
Acajutla . . . . .	2	2	Brit.	Pacific Steam Nav. Co . . . . .	Chamrico, Guat. . . . .	Cristobal, C. Z. . . . .	(18)	298
Santa Inez <sup>2</sup> . . . . .	2	3	Amer.	Grace Line . . . . .	Antof'gasta, Chile . . . . .	New York, N. Y. . . . .	(19)	3,011
Woodcock <sup>4</sup> . . . . .	2	3	Amer.	U. S. Navy . . . . .	Balboa, C. Z. . . . .	Cristobal, C. Z. . . . .		
Sambu <sup>2</sup> . . . . .	2	3	Pan.	Elliot Ship. & Land Co. . . . .	Darien, R. P. . . . .	Cristobal, C. Z. . . . .	Bananas . . . . .	55
Real <sup>2</sup> . . . . .	2	4	Pan.	Elliot Ship. & Land Co. . . . .	Darien, R. P. . . . .	Cristobal, C. Z. . . . .	Bananas . . . . .	35
Sona <sup>2</sup> . . . . .	2	4	Pan.	Elliot Ship. & Land Co. . . . .	Darien, R. P. . . . .	Cristobal, C. Z. . . . .	Bananas . . . . .	30
Anna N. Goulardris . . . . .	2	3	Greek.	Chile Nit. Sales Corp. . . . .	Antof'gasta, Chile . . . . .	Trayona . . . . .	Nitrate . . . . .	6,665
Awata Maru <sup>2</sup> . . . . .	2	3	Jap.	Nippon Yusen Kaisya . . . . .	Yokohama, Japan . . . . .	Rotterdam, Neth. . . . .	(20)	7,348
Athelduke <sup>1</sup> . . . . .	2	3	Brit.	United Molasses Co. . . . .	Pt. Allen, T. H. . . . .	Birkenhead, Eng. . . . .	Molasses . . . . .	13,166
Emidio <sup>1</sup> . . . . .	2	3	Amer.	Socony Vac. Oil Co. . . . .	Aruba, C. Z. . . . .	Bar, N. W. I. . . . .	Ballast . . . . .	
Lilao . . . . .	3	4	Amer.	Matson Nav. Co. . . . .	Honolulu, T. H. . . . .	New York, N. Y. . . . .	Raw sugar . . . . .	7,590
Point Arena . . . . .	3	3	Amer.	Calmar Line . . . . .	Seattle, Wash. . . . .	Wilmington, Del. . . . .	Lumber . . . . .	5,866
Pacific Rancier <sup>2</sup> . . . . .	3	3	Brit.	Furness, Withy & Co. . . . .	Portland, Oreg. . . . .	Liverpool, Eng. . . . .	General . . . . .	8,352
Lieut. Col. H. C. Schumm . . . . .	3	3	Amer.	U. S. Army . . . . .	Balboa, C. Z. . . . .	Cristobal, C. Z. . . . .		
Llangollen . . . . .	3	4	Brit.	EvanThomasRadcliffe . . . . .	Pt. Alberni, B. C. . . . .	United Kingdom . . . . .	Wheat, lum.	7,900
Helga . . . . .	3	5	Dan.	J. Lauritzen . . . . .	Talcahuano, Chile . . . . .	New York, N. Y. . . . .	Ore, gen.	2,720
Harboe Jensen <sup>2</sup> . . . . .	4	5	Nor.	United Fruit Co. . . . .	Golfo, C. R. . . . .	Cristobal, C. Z. . . . .	Ballast . . . . .	
Sofie Bakke <sup>2</sup> . . . . .	3	4	Nor.	Knut Knutsen . . . . .	N. Westminster, B.C. . . . .	Belfast, Ireland . . . . .	Gen., lumber	7,115
Lobos <sup>2</sup> . . . . .	3	5	Brit.	Pacific Steam Nav. Co. . . . .	Corral, Chile . . . . .	Liverpool, Eng. . . . .	(21)	6,565
King Stephen <sup>2</sup> . . . . .	4	4	Brit.	Dodd, Thomson & Co. . . . .	Victoria, B. C. . . . .	United Kingdom . . . . .	Wheat, lum.	8,001
Cueuta . . . . .	4	4	Colom.	Colombian Govt. . . . .	Balboa, C. Z. . . . .	Cartagena, Col. . . . .	Ballast . . . . .	
Westmoreland . . . . .	4	5	Brit.	Federal Steam Nav. Co. . . . .	Gisborne, N. Z. . . . .	London, England . . . . .	Gen., refrig.	6,634
El Mirlo <sup>1</sup> . . . . .	4	5	Brit.	Lobitos Oilfields, Ltd. . . . .	Cabo Blanco, Peru . . . . .	Ellesmere, Eng. . . . .	(22)	11,067
San Gabriel . . . . .	4	5	Amer.	Pac.-Atlantic S. S. Co. . . . .	Portland, Oreg. . . . .	Newark, N. J. . . . .	Lumber . . . . .	6,459
Mussolini <sup>2</sup> . . . . .	4	5	Pan.	H. Obarrio . . . . .	Darien, R. P. . . . .	Cristobal, C. Z. . . . .	Bananas . . . . .	80
Kenmar . . . . .	4	5	Amer.	Calmar S. S. Corp. . . . .	Los Angeles, Cal. . . . .	Philadelphia, Pa. . . . .	(23)	7,029
Colombia <sup>2</sup> . . . . .	4	7	Pan.	Elliot Ship. & Land Co. . . . .	B'ventura, Col. . . . .	Cristobal, C. Z. . . . .	Coffee . . . . .	1,150
West Ekonn . . . . .	5	5	Amer.	Chile Nit. Sales Corp. . . . .	Toopilla, Chile . . . . .	Jacksonville, Fla. . . . .	Nitrate . . . . .	8,000
Caocique . . . . .	4	6	Amer.	Grace Line . . . . .	Callao, Peru . . . . .	New York, N. Y. . . . .	(24)	3,487
Krossfonn <sup>1</sup> . . . . .	5	5	Nor.	Peechelbronn, Paris . . . . .	La Libertad, Ecu. . . . .	Donges, France . . . . .	Crude oil . . . . .	13,510
Telde . . . . .	5	6	Hond.	United Fruit Co. . . . .	Armuellas, R. P. . . . .	New Orleans, La. . . . .	Gen., bananas	959
San Pablo . . . . .	5	6	Pan.	United Fruit Co. . . . .	Quepos, C. R. . . . .	New Orleans, La. . . . .	Ballast . . . . .	
Draco <sup>2</sup> . . . . .	5	8	Neth.	Royal Neth. S. S. Co. . . . .	Guayaquil, Ecu. . . . .	Cristobal, C. Z. . . . .	(25)	530
Porto Bello <sup>2</sup> . . . . .	5	5	Pan.	A. Tagaropoulos . . . . .	Darien, R. P. . . . .	Colon, R. P. . . . .	Plant's lum	20
City of San Francisco . . . . .	5	7	Amer.	Panama-Pacific Line . . . . .	Los Angeles, Cal. . . . .	New York, N. Y. . . . .	General . . . . .	5,886
Ogontz . . . . .	5	6	Amer.	Blanchard Lumber Co . . . . .	Seattle, Wash. . . . .	Newark, N. J. . . . .	Lumber . . . . .	6,375
Katrina Luckenbach . . . . .	5	6	Amer.	Luckenbach Line . . . . .	Seattle, Wash. . . . .	Mobile, Ala . . . . .	General . . . . .	7,041
Nero . . . . .	6	8	Neth.	Royal Neth. S. S. Co. . . . .	B'ventura, Col. . . . .	Cristobal, C. Z. . . . .	Coffee, hides	527
Brandywine <sup>1</sup> . . . . .	5	6	Amer.	Arrow Oil Co. . . . .	Los Angeles, Cal. . . . .	Gulport, Miss. . . . .	Ballast . . . . .	
Wm. L. Thompson . . . . .	5	6	Amer.	Sudden & Christenson . . . . .	Astoria, Oreg. . . . .	Baltimore, Md. . . . .	(26)	6,612
Ebba <sup>2</sup> . . . . .	6	8	Pan.	H. Obarrio . . . . .	El Real, R. P. . . . .	Cristobal, C. Z. . . . .	Bananas . . . . .	30
Meigs <sup>8</sup> . . . . .	4	8	Amer.	U. S. Army . . . . .	S. Francisco, Cal. . . . .	Brooklyn, N. Y. . . . .	Supplies . . . . .	25
Tuira <sup>2</sup> . . . . .	6	7	Pan.	Elliot Ship. & Land Co. . . . .	El Real, R. P. . . . .	Cristobal, C. Z. . . . .	Bananas . . . . .	80
Sambu <sup>2</sup> . . . . .	6	7	Pan.	Elliot Ship. & Land Co. . . . .	Darien, R. P. . . . .	Cristobal, C. Z. . . . .	Bananas . . . . .	32
Trajanus . . . . .	6	8	Neth.	Royal Neth. S. S. Co. . . . .	Talcahuano, Chile . . . . .	Amsterdam, Neth . . . . .	General . . . . .	2,473
Virginian . . . . .	7	7	Amer.	Amer.-Hawaiian Line . . . . .	Portland, Oreg. . . . .	Boston, Mass. . . . .	Lumber, gen.	8,920

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Tug. <sup>4</sup> Transport. <sup>13</sup> For orders. <sup>14</sup> Coffee, hides, bottles. <sup>15</sup> Sugar, copra, general. <sup>16</sup> Hemp, sugar, general. <sup>17</sup> Sugar, pineapples. <sup>18</sup> Coffee, wood, general. <sup>19</sup> Copper, bananas, coffee. <sup>20</sup> Canned goods, silk, general. <sup>21</sup> Wool, oats, general. <sup>22</sup> Crude oil and casinghead gas. <sup>23</sup> Lumber and wire rope. <sup>24</sup> Copper, concentrates, general. <sup>25</sup> Coffee, cocoa, general. <sup>26</sup> Lumber, grain, woodpulp.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Sundance.....	7	8	Amer.	Chile Nit. Sales Corp.	Iquique, Chile...	Alexandria, Egypt	Nitrate.....	7,051
Nuevo Panama <sup>2</sup>	7	9	Pan...	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee.....	208
Rita <sup>1</sup>	6	8	Neth...	Cur. Scheepv. Mij...	Balboa, C. Z.	Curacao, N. W. I.	Ballast.....	
Hindanger <sup>2</sup>	7	8	Nor...	Interocean S. S. Corp.	Seattle, Wash.	Antwerp, Belgium	Lumber, gen.	7,103
W. H. Berg <sup>1</sup>	8	8	Amer...	Sun Oil Co.	El Segundo, Cal.	Marcus Hook, Pa.	Gasoline....	11,413
Reinholt <sup>2</sup>	7	9	Nor...	De La Rama Ship. Co.	Illio, P. I.	New York, N. Y.	General.....	7,781
Ino <sup>2</sup>	8	9	Neth...	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	( <sup>15</sup> )	262
Mount Taurus	7	9	Greek	Livanos & Co.	Masinloc.....	Philadelphia, Pa.	Chrome ore.	8,900
Nanman Maru	8	9	Jap...	Yamashita K. Kaisya.	Kobe, Japan	Buenos Aires, Arg.	Soda ash, gen.	2,646
Liberty Glo.	8	9	Amer.	Amer.-For. S. S. Co.	Olympia, Wash.	Camden, N. J.	Lumber.....	7,092
Peter Maersk <sup>2</sup>	8	10	Dan...	Maersk Line.....	Iloilo, P. I.	Norfolk, Va.	General.....	5,706
Liberty <sup>8</sup>	4	9	Amer.	U. S. Army.....	Balboa, C. Z.	New York, N. Y.	Ballast.....	
Hagan <sup>1</sup>	9	9	Amer.	Shell Oil Co.	Los Angeles, Cal.	New York, N. Y.	( <sup>16</sup> )	9,200
Santa Clara	9	9	Amer.	Grace Line.....	San Antonio, Chile	New York, N. Y.	( <sup>17</sup> )	5,485
Herman Frasch	8	9	Amer.	Dutton Lumber Corp.	Tazoma, Wash.	Providence, R. I.	Lumber.....	4,800
Kaipaki <sup>2</sup>	8	10	Brit...	M. A. N. Z. Line...	Melbourne, Aust.	Halifax, N. S.	General.....	7,188
Hokuroku Maru <sup>2</sup>	8	10	Jap...	Osaka Syosen Kaisya	Keelung, China.	Baltimore, Md.	Oil, silk, gen.	4,624
G. S. Livanos	8	9	Greek	Chile Nit. Sales Corp.	Iquique, Chile.	Gibraltar <sup>14</sup>	Nitrate.....	8,400
Julia Luckenbach	8	9	Amer.	Luckenbach Line...	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,946
Sona <sup>2</sup>	9	10	Pan...	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	35
Pirre <sup>2</sup>	9	10	Pan...	J. Laffargue.....	Darien, R. P.	Cristobal, C. Z.	Bananas.....	45
Real <sup>2</sup>	9	10	Pan...	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	
Silverelm <sup>2</sup>	9	10	Brit...	Kerr S. S. Co.	Calcutta, India.	New York, N. Y.	General.....	6,167
Bretwalda	9	10	Brit...	Dingwall Cotts & Co.	N. Westm'er, B. C.	London, England	( <sup>18</sup> )	8,426
West Gambo	9	10	Amer.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Mobile, Ala.	Nitrate.....	8,100
Charleston <sup>14</sup>	10		Amer.	U. S. Navy.....	Balboa, C. Z.	Cristobal, C. Z.		
Athenic.....	9	10	Brit...	Canadian Transp. Co.	Pt. Alberni, B. C.	Hull, England.	Lumber.....	8,604
Pereira.....	9		Pan...	Grace Line.....	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee.....	646
Jomar.....	9	10	Amer.	Chile Nit. Sales Corp.	Antofagasta, Chile	Alexandria, Egypt	Nitrate.....	7,163
Fortuna.....	9	10	Pan...	Agusto Bailey.....	Darien, R. P.	Cristobal, C. Z.	Bananas.....	90
Kate.....	9		Greek	Chile Nit. Sales Corp.	Iquique, Chile.	Alexandria, Egypt	Nitrate.....	7,250
Asakasan Maru <sup>2</sup>	9	10	Jap...	Mitsui Bussan Kaisya	Manila, P. I.	New Orleans, La.	Sugar, gen.	7,808
Olopana.....	9		Amer.	Matson Nav. Co.	Hilo, T. H.	Baltimore, Md.	( <sup>19</sup> )	7,957

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>8</sup> Transport. <sup>13</sup> Gunboat. <sup>14</sup> For orders. <sup>15</sup> Balsa, cacao, tagua. <sup>16</sup> Kerosene, solvent. <sup>17</sup> Copper, fruit, ores. <sup>18</sup> Lumber, canned goods. <sup>19</sup> Sugar, canned goods.

Coal

Coal, bunker, U. S. Navy Standard Pool No. 1, run-of-mine, Pocahontas, or New River, is supplied to steamships, including warships of all nations, at the following prices:

	Per ton of 2,240 lbs.	
	Cristobal-Colon	Balboa
(a) Coal delivered to vessels at Coaling Plants, trimmed in bunkers.....	\$7.75	\$10.75
(b) Coal delivered to vessels by lighters from Cristobal Coaling Plant, trimmed in bunkers.....	8.25	-----
A flat charge of \$52.50 for lighterage on any quantity delivered will be made in addition to the basic price per ton.		
(c) For sacking lump coal for galley use, or other grades of coal, in addition to the basic price per ton.		
Labor, etc.....	3.00	3.00
Sacks, when furnished by Coaling Plant.....	2.00	2.00

If delivery is made at points other than the Coaling Plant, an extra charge covering the cost of delivery will be made.

Current Net Prices on Fuel Oil and Diesel Oil

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from the tanks of the Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.10 per barrel at Cristobal and Balboa; Diesel oil, \$1.90 per barrel at Cristobal and Balboa.

### Traffic Through the Panama Canal During the Canal Year 1939, by Nationality

Nationality	No. of ships	TONNAGE			Tolls	Tons of cargo
		Panama Canal net	Registered gross	Registered net		
Belgian.....	1	5,900	8,718	4,752	\$5,310.00	12,483
British.....	1,379	7,044,460	8,652,044	5,244,062	6,118,329.80	6,517,294
Chilean.....	33	148,591	218,752	129,049	132,965.64	88,325
Colombian.....	3	1,356	1,821	1,263	1,220.40	2,193
Danish.....	213	811,143	915,108	555,674	714,698.46	885,955
Egyptian.....	3	12,283	14,335	10,944	10,301.76	14,914
French.....	103	476,992	631,978	349,477	426,397.00	448,439
German.....	247	1,007,253	1,267,770	733,230	899,376.48	998,387
Greek.....	174	807,225	928,466	568,060	689,107.32	1,014,298
Honduran.....	54	84,571	142,788	83,526	75,332.34	48,850
Hungarian.....	1	3,932	4,323	2,737	3,538.80	7,028
Italian.....	53	321,737	485,786	286,993	296,825.52	147,955
Japanese.....	252	1,655,740	2,220,358	1,367,756	1,480,188.60	1,961,963
Netherlands.....	330	718,316	845,144	496,377	631,679.22	636,828
Norwegian.....	680	3,140,805	3,649,416	2,178,031	2,680,224.30	3,520,003
Panamanian.....	223	451,445	633,471	375,807	375,320.94	487,925
Peruvian.....	4	9,036	13,489	8,294	8,132.40	7,388
Philippine.....	7	33,701	36,253	21,491	30,330.90	45,044
Soviet.....	13	24,700	34,149	19,934	25,047.50	27,757
Spanish.....	1	4,134	4,409	2,723	2,976.48	.....
Swedish.....	141	640,202	1,162,746	589,924	548,867.70	949,406
United States.....	1,921	9,454,448	12,397,264	7,537,375	8,324,627.94	10,959,002
Yugoslav.....	62	265,150	323,875	200,850	223,445.88	326,923
Calendar year 1939.....	5,928	27,123,183	34,592,493	20,768,329	23,707,245.38	29,081,360
Calendar year 1938.....	5,626	25,862,677	32,882,874	19,699,818	22,608,555.25	26,227,268
Calendar year 1937.....	5,542	26,417,940	33,648,455	19,976,940	23,950,072.95	29,298,766

<sup>1</sup> Estimated tonnage under rules which became effective March 1, 1938.

NOTE.—The above statement includes only ocean-going commercial traffic of 300 net tons or over, Panama Canal measurement.

Foreign naval vessels, other than transports, colliers, hospital ships, and supply ships, pay tolls at the rate of \$0.50 per ton displacement. Included in the preceding tabulation of transits and tolls, but not of tonnages, are the foreign naval vessels which transited the Canal during the calendar year 1939 and paid tolls on the basis of displacement tonnage, as follows:

Nationality	No. of vessels	Displacement tonnage	Tolls
British.....	23	93,631	\$46,815.50
French.....	1	7,775	3,887.50
Italian.....	2	18,843	9,421.50
Netherlands.....	1	999	499.50
Soviet.....	3	5,635	2,817.50
Total.....	30	126,883	63,441.50

### Official Publications of Interest to Shipping

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters," and the current tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C.Z.; or, when more convenient, to The Panama Canal, Washington, D.C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa, a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.



**Consular Officers Accredited to Canal Zone**

<i>Name</i>	<i>Title</i>	<i>Address</i>
<b>BELGIUM</b>		
J. J. Henriquez.....	Honorary Consul for Canal Zone.....	Colon
<b>BOLIVIA</b>		
Dr. Jorge Eduardo Boyd..	Honorary Consul General for Canal Zone....	Panama
<b>BRAZIL</b>		
Jorge D. Arias F.....	Honorary Consul for Canal Zone.....	Panama
Pedro Ernesto Arias I...	Honorary Vice Consul for Canal Zone.....	Panama
<b>COLOMBIA</b>		
Juan A. Calvo.....	Consul General for Canal Zone from Balboa to Gamboa.....	Panama
Jorge Castaño Castillo..	Consul General for Canal Zone from Cristobal to Gatun, including Gatun Lake.....	Colon
<b>COSTA RICA</b>		
Juan Dávila Solera.....	Honorary Consul General at Balboa for the Canal Zone.....	Panama
Enrique Pucci Paoli....	Honorary Consul at Cristobal for the Canal Zone.....	Colon
<b>DENMARK</b>		
Samuel Levy Maduro ..	Honorary Consul for Canal Zone.....	Panama
Colman Sasso.....	Honorary Consul for Canal Zone.....	Colon
<b>DOMINICAN REPUBLIC</b>		
Manuel de J. Quijano ..	Honorary Consul General for Canal Zone.....	Panama
H. J. Henriquez.....	Honorary Vice Consul for Canal Zone.....	Colon
<b>EL SALVADOR</b>		
Ernesto A. Boyd.....	Honorary Consul for Cana Zone.....	Panama
Roberto Boyd.....	Vice Consul for Canal Zone.....	Panama
<b>FINLAND</b>		
Herman J. Henriquez ..	Honorary Consul for Canal Zone.....	Colon
<b>FRANCE</b>		
Pierre H. de la Blanchetai..	Consul for Canal Zone.....	Panama
<b>GERMANY</b>		
Ernest F. Neumann....	Honorary Consul for port of Balboa, including Pacific part of Canal Zone.....	Panama
Kurt Lindenberg.....	Acting Consul for port of Cristobal and the Atlantic part of Canal Zone.....	Cristobal
Walther Schmidt.....	Acting Consul for port of Cristobal and the Atlantic part of Canal Zone during the absence of Kurt Lindenberg on leave.....	Cristobal
<b>GREAT BRITAIN</b>		
Douglas Gerald Rydings..	Consul for Canal Zone.....	Panama
J. H. Dickinson.....	Vice Consul for Canal Zone.....	Panama
Lawrence Barnett.....	Vice Consul for Canal Zone.....	Colon
<b>GUATEMALA</b>		
Tomás Arias.....	Honorary Consul for Pacific part of Canal Zone at Balboa.....	Panama
Manuel J. Castillo.....	Honorary Vice Consul at Cristobal.....	Colon
Dr. Julio Jiménez Sierra.	Honorary Consul at Cristobal.....	Colon
<b>HAITI</b>		
Alfred Joseph.....	Consul General for Canal Zone.....	Colon
Max R. Stempel.....	Consul at Balboa, Canal Zone.....	Panama

<i>Name</i>	<i>Title</i>	<i>Address</i>
HONDURAS		
Juan Francisco Arias F...	Honorary Consul at Balboa, Canal Zone.....	Panama
HUNGARY		
Pedro Ernesto Arias I...	Honorary Consul for Canal Zone.....	Panama
JAPAN		
Yashichi Otani.....	Consul for Canal Zone.....	Panama
MEXICO		
Silvio Salazar.....	Honorary Consul for Canal Zone from Cristobal to Gorgona.....	Colon
NETHERLANDS, THE		
David M. Sasso.....	Honorary Consul General for Canal Zone.....	Panama
Julio A. Salas.....	Honorary Consul for Cristobal, Canal Zone....	Colon
NICARAGUA		
Armando Pallais L.....	Consul General for Canal Zone.....	Panama
Roberto Feuillebois.....	Honorary Consul for Cristobal, Canal Zone....	Colon
NORWAY		
Alan Neave Dodd.....	Consul for Canal Zone, except Balboa and Ancon..	Colon
PERU		
Dr. Luis Cuneo Harrison.....	Consul General for Canal Zone.....	Panama
Fernando Rodríguez Pastor..	Consul for Cristobal, Canal Zone.....	Colon
POLAND		
Luis Fernando Prada....	Honorary Consul for Canal Zone.....	Colon
SWEDEN		
Capt. Hans Elliot.....	Consul for Canal Zone.....	Panama
Julio A. Salas.....	Honorary Vice Consul for Canal Zone.....	Colon

### Facilities for Shipping

The Panama Canal is equipped with all the facilities for the fueling, supply, and repairs of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from ample stocks at both ends of the Canal. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as ice, meats (including native beef), fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices. Orders may be placed in advance by radio for prompt delivery on arrival at either terminal, or for delivery at the other terminal after transiting the Canal.

A 1,000-foot drydock, a smaller drydock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large, covered piers for the storage of cargo. These are modern structures: fireproof, rat proof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal during the years of operation.

#### Hours of Departure of Passenger Trains

Following are the hours of departure of the regular passenger trains of the Panama Railroad running between the Atlantic and the Pacific sides:

From Colon: Daily, 7:00 a. m.; 11 a. m.; 5 p. m.; 10 p. m.

From Panama: Daily, 7:05 a. m.; 1:10 p. m.; 5 p. m.; 7:55 p. m.

The time required for passage from one terminal to the other is 1 hour and 25 minutes.

#### Binders for The Panama Canal Record

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL  
PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.

*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXIII Balboa Heights, C. Z., February 15, 1940 No. 7

## Traffic Through the Panama Canal in January 1940

The total vessels of all kinds transiting the Panama Canal during the month of January 1940, and for the same month in the two preceding years, are shown in the following tabulation:

	January 1940			January	
	Atlantic to Pacific	Pacific to Atlantic	Total	1939	1938
Ocean-going commercial traffic.....	237	229	466	525	444
Small commercial vessels <sup>1</sup> .....	49	42	91	90	69
Noncommercial vessels:					
United States Government.....	25	18	43	147	60
Colombian Government.....		1	1		2
For repairs.....				2	2
<b>Total.....</b>	<b>311</b>	<b>290</b>	<b>601</b>	<b>764</b>	<b>577</b>

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC <sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the twelve months ended January 31, 1940, as compared with the twelve months ended January 31, 1939:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1939-40	1938-39	1939-40 <sup>3</sup>	1938-39 <sup>4</sup>	1939-40	1938-39	1939-40	1938-39
February...	501	436	2,282,318	1,993,000	2,206,963	1,998,827	\$1,996,735.66	\$1,786,611.45
March...	553	506	2,586,580	32,311,526	2,664,068	2,268,548	2,252,156.28	2,015,585.34
April.....	496	487	2,278,326	32,258,836	2,472,504	2,279,235	1,999,851.16	1,961,456.58
May.....	506	465	2,341,894	32,150,228	2,538,949	2,309,171	2,053,502.16	1,886,825.66
June.....	479	445	2,268,679	32,064,793	2,437,087	2,122,389	1,977,431.94	1,801,291.78
July.....	485	429	2,254,398	31,933,816	2,317,697	2,025,660	1,974,380.72	1,694,205.00
August.....	490	468	2,247,009	32,177,699	2,385,039	2,171,674	1,964,776.48	1,890,050.74
September.	457	438	2,119,418	32,005,241	2,445,700	1,998,464	1,855,574.22	1,741,895.46
October....	458	494	2,068,665	32,276,194	2,386,314	2,359,673	1,815,210.24	1,977,706.76
November..	489	505	2,178,556	32,302,333	2,472,503	2,223,830	1,915,075.38	1,984,014.72
December..	489	509	2,116,424	32,336,011	2,361,176	2,374,395	1,840,096.98	2,031,017.04
January...	466	525	2,056,568	32,380,916	2,337,943	2,393,360	1,795,241.88	2,062,454.16
<b>Total...</b>	<b>5,869</b>	<b>5,707</b>	<b>26,798,835</b>	<b>26,190,593</b>	<b>29,025,943</b>	<b>26,525,226</b>	<b>23,440,033.10</b>	<b>22,833,114.69</b>

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>3</sup> Panama Canal net tonnage as figured under rules which became effective March 1, 1938.

<sup>4</sup> Estimated tonnage under rules which became effective March 1, 1938.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons (Panama Canal measurement), which transited the Panama Canal during the month of January 1940. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	49	1,901	\$1,439.28	758
Pacific to Atlantic.....	42	1,709	1,534.86	2,036
<b>Total.....</b>	<b>91</b>	<b>3,610</b>	<b>2,974.14</b>	<b>2,794</b>

Traffic by Nationality of Vessels<sup>5</sup> for January 1940

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British	91	494,626	\$418,346.46	405,249
Chilean	3	15,043	13,538.70	13,538
Colombian	4	1,808	1,545.84	1,539
Danish	18	54,960	49,464.00	63,800
Finnish	2	4,194	3,397.14	4,200
French	9	40,099	34,897.32	45,985
Greek	17	73,214	65,159.28	119,810
Honduran	4	5,831	5,247.90	3,858
Italian	5	35,702	32,212.80	21,227
Japanese	27	156,366	140,729.40	172,465
Mexican	1	763	686.70	1,203
Netherlands	26	34,496	30,736.62	28,884
Norwegian	49	220,617	189,846.90	249,885
Panamanian	22	39,913	35,055.00	54,628
Peruvian	2	2,013	2,621.70	2,936
Philippine	1	4,805	4,324.50	8,463
Spanish	3	11,855	9,279.72	7,100
Swedish	11	44,544	38,511.36	67,040
United States	171	814,819	719,639.64	1,066,133
Total	466	2,056,568	1,795,241.88	2,337,943

<sup>5</sup> Tolls-paying vessels of 300 or more net tons, Panama Canal measurement.

## Traffic by Trade Routes for January 1940

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	38	184,065	191,326	55	274,266	424,519
East coast United States and:						
Canada	1	1,774	3,300	1	1,354	2,557
Central America/Mexico	8	16,108	22,938	3	5,151	124
South America	26	109,296	38,340	26	106,425	228,111
Balboa				1	4,797	2,600
Hawaiian Islands	3	13,529	15,325	5	22,531	38,299
Australasia	7	39,745	48,492			
Philippine Islands	9	50,474	52,185	10	50,633	74,186
Far East	32	162,734	247,166	12	67,629	73,972
East coast Canada and:						
South America	1	794				
Australasia	6	35,365	35,586	1	5,575	7,188
Central America/Mexico intercoastal	1	6,204	12,126	1	6,204	
East coast Central America/Mexico and Far East	1	4,480	7,000			
South America intercoastal	6	7,283	3,723	2	2,271	864
East Coast South America and:						
United States	1	5,180	3,868	2	5,853	8,698
Canada	2	9,132	10,742			
Balboa	1	4,797	2,800			
Far East	3	18,987	13,112	1	4,622	2,646
Cristobal and:						
United States	1	5,178		1	5,178	9,000
Central America/Mexico	5	3,870	3,819	6	5,596	2,319
South America	15	12,978	13,223	20	16,561	16,193
West Indies and:						
United States	1	3,864		3	9,130	16,075
Canada				3	4,664	7,099
South America	2	8,938	14,857			
Balboa	3	12,269	26,575	2	6,834	
Far East				1	4,493	7,780
Europe and:						
United States	11	57,587	28,346	2	9,500	12,390
Canada	26	131,694	5,580	28	148,673	220,025
South America	14	65,654	23,529	27	126,796	200,634
Hawaiian Islands				1	6,324	13,165
Australasia	8	66,680	15,491	7	48,945	47,012
Far East	2	11,751	15,335	2	11,231	13,754
Egypt and west coast South America				5	19,463	35,734
Around the world	2	14,646	11,523	1	6,038	6,692
Foreign vessels in ballast (United States intercoastal)	1	4,775				
Total	237	1,069,831	866,307	229	986,737	1,471,636

**Origin and Destination of Cargo by Major Areas, January 1940**

The following table summarizes the origin of cargo passing through the Canal in January 1940, and its destination by major geographical trade areas:

**ATLANTIC TO PACIFIC**

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States .....	199,203	40,469	310,960	37,049	47,608	635,289
Other North America .....	2,508	44,489	7,044	31,360	37,190	122,591
Europe .....	26,201	7,159	10,377	20,736	14,771	79,244
Miscellaneous .....	14,141	3,521	8,746	2,775	.....	29,183
<b>Total .....</b>	<b>242,053</b>	<b>95,638</b>	<b>337,127</b>	<b>91,920</b>	<b>99,569</b>	<b>866,307</b>

**PACIFIC TO ATLANTIC**

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States .....	417,348	33,676	80,695	16,603	548,322
Canada .....	2,557	5,406	151,504	803	160,270
Other North America .....	41,257	2,249	15,804	.....	59,310
South America .....	223,152	28,122	192,092	38,293	481,659
Australasia .....	2,567	5,183	46,450	.....	54,200
Asia .....	146,704	11,400	8,891	880	167,875
<b>Total .....</b>	<b>833,585</b>	<b>86,036</b>	<b>495,436</b>	<b>56,579</b>	<b>1,471,636</b>

**Principal Commodities**

Commodities which aggregated 10,000 or more tons either during January 1940, or in January 1939, are listed below:

Commodity	January		Commodity	January	
	1940	1939		1940	1939
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Ammonium compounds .....	13,682	3,190	Cold storage (food products)* ..	25,225	32,493
Automobiles and parts .....	16,805	20,931	Copra .....	17,397	15,802
Cement .....	8,753	14,076	Cotton, raw .....	16,384	8,488
Coal and coke .....	14,787	4,792	Flour .....	20,691	12,193
Cotton, raw .....	31,496	20,380	Fruit, dried .....	23,823	22,645
Iron and steel .....	159,120	123,141	Fruit, fresh † .....	9,197	47,897
Machinery .....	20,540	10,634	Lumber .....	310,257	307,232
Metals, various .....	66,232	29,536	Metals, various .....	65,404	51,749
Oils, mineral .....	144,842	98,538	Molasses and syrups .....	13,188	1,292
Paper .....	47,548	35,078	Nitrates .....	180,564	122,307
Phosphates .....	10,806	32,808	Oats .....	8,407	15,735
Scrap metal .....	55,879	95,972	Oils, mineral .....	165,380	221,912
Sulphur .....	23,272	14,597	Oils, vegetable .....	19,238	14,196
Tinplate .....	22,705	16,703	Ores .....	144,410	140,078
<i>Pacific to Atlantic</i>			Rice .....	11,843	1,572
Barley .....	11,956	26,844	Rubber, raw .....	20,786	2,435
Beans, edible, dry .....	10,926	13,646	Soy beans .....	1,805	17,389
Canned food products .....	78,476	118,478	Sugar .....	106,520	89,969
Coffee .....	14,330	16,390	Wheat .....	38,859	192,768
			Wood pulp .....	29,816	22,240
			Wool .....	12,598	14,897

\* Does not include fresh fruit.

† Does not include bananas.

**Commodities in Detail**

The following statement lists all commodities passing through the Canal during the month of January 1940, as reported in the cargo declarations showing the movement by direction, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise, but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts			117	284
Agricultural implements	719	26	2,084	42
Alfalfa meal		399		528
Ammonium compounds	235		13,682	
Animal foods <sup>8</sup>		126	15	226
Apparel, wearing (hats, shoes, clothing, etc.)	109	4	109	10
Asbestos	436		3,588	30
Asphalt and tar	152	75	5,994	1,205
Automobiles (and autotrucks)	1,008	3	12,294	8
Automobile parts and accessories	336	121	4,511	132
Bags and bagging, textile	79	14	342	60
Bamboo and products				916
Bananas				2,292
Barks, miscellaneous		23		330
Barley		36	32	11,956
Beans, edible, dry	147	6,532	203	10,926
Beer	109		355	
Blood and tankage				10
Bones and bone meal			2,827	68
Books and printed matter		366		367
Borax		412	198	6,084
Bran and pollards				3,082
Bricks and tile				20
Camphor, crude	258		2,352	168
Canned and preserved goods:				
Fish	295	8,888	891	23,677
Fruit	1,634	17,492	1,739	34,191
Meat	21	50	1,619	984
Milk		16	155	215
Soup	2,741		2,766	
Vegetables	311	7,920	341	8,562
Miscellaneous and unclassified	1,874	9,625	1,922	10,847
Carbon black	23		721	5
Celite		73		73
Cement	234	139	8,753	157
Chalk			30	
Chemicals <sup>8</sup>	3,646	325	9,288	923
Clay, china and fire	1,128	65	1,323	315
Clay, filtering	461	260	461	314
Coal	1,904		9,930	
Cocoa and cacao beans	301		1,195	1,749
Coconuts and products <sup>8</sup>	118	1,287	180	2,822
Coffee	88	85	7,115	14,330
Coke	250		4,857	44
Cold storage and refrigerated products:				
Dairy products	44	1	320	14,746
Eggs		10		235
Fish	27	53	237	563
Lard	476		585	
Meats			28	9,064
Vegetables		77		89
Other and unclassified	27	248	70	528
Confectionery	1,433	55	1,538	55
Copra				9,110
Copra meal and cake				8,287
Corn	42		442	
Cotton, raw	146	538	31,496	16,384
Cresote			7,981	
Drugs and medicines	1,164	53	1,452	174
Dyes			505	2
Earthenware		13	161	67
Eggs, dried		32		224
Electrical apparatus and appliances	1,495	270	3,015	315
Enamel and metalware	644	112	703	483
Explosives			24	1
Extract, quebracho			2,277	
Fertilizers <sup>8</sup>		27	1,081	2,031
Fish, salted or dry-cured			9	25
Fish meal				3,970
Floor coverings	2,566	867	2,816	1,006
Flour		14,850	350	20,691
Fruit, dried		9,919		23,823
Fruit, fresh <sup>8</sup>		563	765	9,197
Furniture and household goods	297	61	369	183
General	8,817	2,840	46,801	9,909
Glass and glassware	1,235	71	2,368	484
Glue	53	22	55	23
Grains <sup>8</sup>		891	218	1,149
Groceries	1,818	632	2,424	1,329
Gums		203		612

<sup>8</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Hair, all kinds	25	102	25	296
Hay				25
Hemp, unmanufactured	6	152	79	3,200
Honey		141		268
Hops				9
Horns and hoofs			46	10
Infusorial earth		374		1,079
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	84,318	297	159,120	490
Ivory nuts			43	1,714
Jute, unmanufactured			2	
Lard substitute	455		460	21
Lime			432	
Liquors	2,713	66	3,811	67
Lumber (including manufactured mill products)	1,712	179,911	5,872	310,257
Machinery	2,000	146	20,540	472
Malt			226	100
Manufactured goods <sup>8</sup>	8,694	381	17,574	1,973
Marble and granite	75		165	
Matches	387	69	406	69
Metals:				
Antimony		16		42
Copper	447	215	34,330	39,066
Gold and silver			20	126
Iron	5,032	20	11,328	32
Lead	52	1,020	10,822	13,100
Tin	600	102	3,278	2,448
Zinc	45		3,071	9,903
Other and unclassified	239	102	3,382	687
Milk, powdered	16	206	16	363
Molasses and syrups	179	23	195	13,188
Nitrate	19		1,977	180,564
Nuts, edible (including meats)		306	27	630
Oats	42	369	60	8,407
Oils, mineral:				
Crude			15,528	46,681
Gas and fuel		33,535	62,595	42,536
Gasoline, benzine and naphtha		30,032	23,763	55,419
Kerosene		8,118	217	15,777
Lubricating and greases	14,012	380	42,596	1,125
Other and unclassified	16	3,593	143	3,842
Oils, vegetable:				
Coconut			6	10,757
Cottonseed			457	
Linseed	47		147	
Olive	12	18	103	18
Peanut	17		17	948
Rapeseed				979
Teaseed				10
Wood	11	42	216	2,488
Other and unclassified	53	33	219	4,038
Oil, fish		1,591	44	3,310
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)		206	3,705	340
Oilseed cake and meal	3,825		3,844	8,251
Ores:				
Antimony				1,401
Chrome				12,800
Copper			461	8,361
Gold and silver				1,288
Iron	162		207	107,525
Lead				47
Magnesite		890		890
Manganese	80	490	342	1,490
Tin				5,453
Zinc				2,500
Other and unclassified	198	57	978	2,655
Paints and varnishes	1,204	57	2,533	80
Paper and paper products <sup>8</sup>	9,586	7,844	47,548	9,312
Peanuts	487		487	
Peas, dry		65		1,047
Peatmoss				
Phosphates			200	
Plaster	468		10,806	
Porcelainware			100	
Potash	151	17	314	1,782
Pyrethrum flowers	12	7,966	3,733	9,419
Rags and waste				135
Railroad material	368	61	1,059	1,038
Rice	174		9,424	123
Rope and twine	454		541	11,843
	281	81	330	137

<sup>8</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Rosin.....	1,081		3,453	
Rubber:				
Manufactured.....	834	512	1,787	958
Raw.....	98		118	20,786
Scrap.....			746	37
Salt.....	142	1,336	1,185	1,336
Sand.....	12		12	60
Scrap metal.....	45	488	55,879	551
Seeds (except oilseeds).....	49	237	244	813
Shells, all kinds.....	478		1,304	251
Silk, raw.....		139	5	1,662
Skins and hides.....		1,155	1,004	2,502
State.....	550		550	
Soaps and products.....	1,684	122	1,891	356
Soda and sodium compounds:				
Soda ash.....	142		319	1,274
Soda, caustic.....	298	90	1,250	90
Miscellaneous and unclassified.....	350		1,513	74
Soy beans.....	997		997	1,805
Spices.....	20	5	132	309
Sugar.....	84	9,854	152	106,520
Sulphur.....	7,395		23,272	
Talc.....	27	41	27	1,308
Tallow.....	72	845	72	1,787
Tea.....	77	3	156	1,779
Textiles <sup>9</sup> .....	2,716	210	6,835	5,626
Tinplate.....	3,173	262	22,705	262
Tobacco and manufactures.....	198	769	6,682	794
Toilet preparations.....	305		511	72
Turpentine.....	11		355	
Vegetables, dry <sup>8</sup> .....	17	52	17	331
Wall board.....			182	369
Wax, paraffin.....	287	19	364	166
Wheat.....	21	12,022	373	38,859
Wines.....	49	1,215	731	1,323
Wood pulp.....	386	21,272	9,385	29,816
Wool.....		836	2,020	12,598
Total, January 1940.....	199,203	417,348	866,307	1,471,636
Total, January 1939.....	165,971	381,935	752,025	1,641,335
Total, January 1938.....	153,050	321,302	603,175	1,492,227

<sup>8</sup> Except as otherwise classified.    <sup>9</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of January 1940:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	4	22,234	9,325	8	43,848	75,248
East coast United States and:						
Balboa.....				1	4,797	2,600
Far East.....	2	12,032	24,538			
East coast Canada and South America.....	1	794				
Central America/Mexico intercoastal.....	1	6,204	12,126	1	6,204	
South America intercoastal.....				1	1,617	
East coast South America and Balboa.....	1	4,797	2,800			
Cristobal and United States.....	1	5,178		1	5,178	9,000
West Indies and:						
United States.....	1	3,864		2	8,367	14,872
South America.....	1	7,468	13,905			
Balboa.....	3	12,269	26,575	2	6,834	
Europe and:						
United States.....	3	17,543	<sup>10</sup> 7,981			
South America.....	4	22,892		5	31,729	62,210
Hawaiian Islands.....				1	6,324	<sup>11</sup> 13,165
Total.....	22	115,275	97,250	22	114,898	177,095

<sup>10</sup> Crocote.    <sup>11</sup> Molasses.



## Comparison of Canal Traffic in January 1940, with January Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of January			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915	12 <sup>96</sup>	(000 omitted) 312	(000 omitted) 426	1915	13 100	(000 omitted) 334	(000 omitted) 466
1916	14 <sup>1</sup>	1	1	1916	60	184	258
1917	164	499	640	1917	145	447	588
1918	149	458	553	1918	165	506	627
1919	163	462	530	1919	162	472	576
1920	254	857	924	1920	199	659	781
1921	272	1,012	1,177	1921	232	879	966
1922	202	783	807	1922	222	880	907
1923	345	1,489	1,592	1923	325	1,434	1,631
1924	471	2,220	2,427	1924	429	2,016	2,249
1925	395	1,812	1,907	1925	382	1,761	1,996
1926	473	2,128	2,346	1926	424	1,909	2,169
1927	428	1,962	2,240	1927	441	2,020	2,311
1928	525	2,239	2,371	1928	521	2,269	2,468
1929	597	2,562	2,858	1929	524	2,299	2,554
1930	523	2,406	2,611	1930	502	2,310	2,502
1931	465	2,201	2,106	1931	447	2,140	2,089
1932	371	1,870	1,594	1932	364	1,820	1,650
1933	378	1,912	1,462	1933	347	1,758	1,513
1934	479	2,387	2,086	1934	436	2,201	2,059
1935	425	2,122	1,945	1935	432	2,143	2,109
1936	472	2,230	2,149	1936	449	2,160	2,209
1937	399	1,772	1,856	1937	467	2,239	2,507
1938	444	2,053	2,095	1938	460	2,163	2,282
1939	525	2,381	2,393	1939	492	2,264	2,322
1940	466	2,057	2,338	1940 (7 months)	476	2,149	2,387

<sup>12</sup> Canal opened August 15, 1914. <sup>13</sup> Canal closed part of month due to slides. <sup>14</sup> Average for 10½ months of fiscal year ended June 30, 1915.

### Terminal Activities

Ships repaired during the month of January 1940 numbered 63. Vessels released from drydock numbered 6. Fuel oil amounting to 451,839 barrels was delivered as bunkers to 203 ships. Bunker coal amounting to 9,040 tons was delivered to 30 commercial ships. Sales of commissary supplies to ships aggregated \$54,453.

### Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving	36,774	20,205	56,979
Local cargo shipped	1,873	419	2,292
Cargo received for transshipment	63,446	1,333	64,779
Cargo transhipped	63,007	1,273	64,280
"Canal Zone for Orders" cargo:			
Number of receipts issued	3	3	6
Number of releases issued	63	30	93
Tons received	27	80	107
Tons withdrawn	55	17	72

### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal	534	2,985,931	1,764,797	498	2,736,131	1,640,592
Vessels entering port but not transiting Canal	74	311,399	173,535	19	48,815	30,557
Vessels transiting Canal and handling passengers and cargo at terminal ports	129	687,509	402,916	73	467,677	274,487
<i>Ships clearing</i>						
All vessels, including those transiting Canal	532	2,933,951	1,735,718	498	2,748,717	1,648,807
Vessels clearing port but not transiting Canal	71	294,240	163,158	17	48,884	29,986
Vessels transiting Canal and handling passengers and cargo at terminal ports	130	667,386	393,406	72	466,507	273,833

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month of January 1940. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

Liberty, 1,781, 88	Tai Yang, 0, 4	Santa Marta, 679, 403	Turrialba, 1,448, 27	Knute Nelson, 109, 82
Balboa, 100, 536	Alma Bush, 0, 5	Kiyokawa Maru, 577, 0	Passajero, 17, 3	Istmo, 0, 13
Laurits Swenson, 63, 196	Ciss, 807, 1,237	Helga, 0, 4	Percira, 401, 210	Ancon, 4,529, 259
Kinka Maru, 432, 0	West Ivis, 230, 89	Frida, 0, 10	John Bakke, 90, 0	Sessa, 0, 9
Tachira, 305, 0	Merchant, 300, 0	Gaunmedes, 976, 4,159	Columbia, 778, 508	Maine, 765, 20
Amerika, 107, 112	Fella, 1,209, 20	Augustus, 34, 456	San Anselmo, 11, 0	Veragua, 13, 1,008
Ville D'Amiens, 7, 1	Jamaica, 107, 795	Comayagua, 0, 565	Istmo, 1, 0	Kirsten B., 725, 602
Notos, 826, 2	Choluteca, 483, 17	Draco, 632, 716	Dramatist, 1, 0	Aconagua, 32, 7
Idraet, 190, 0	Celina, 995, 177	Chiriqui, 377, 610	City of Los Angeles, 5, 0	Texas, 1, 0
Santa Lucia, 242, 35	Contessa, 678, 150	Olancho, 943, 10	Santa Inez, 439, 36	Talamauca, 1, 0
Awata Maru, 0, 106	Kirsten B., 0, 927	Massmar, 726, 0	Maranon, 0, 107	Orotava, 1, 0
Grant, 191, 4	Mars, 358, 1,284	City of Norfolk, 362, 0	A-400 (barge), 0, 16	Oregonian, 7, 0
Ancon, 6,808, 582	Santa Inez, 479, 1	Nemours, 0, 705	Manto, 395, 542	A-400 (barge), 0, 20
Harboe Jensen, 0, 654	Acajutla, 314, 0	Sona, 0, 62	Imperial, 3, 0	Sixaola, 1,025, 278
Tachira, 0, 738	Platano, 2,238, 91	Contessa, 714, 258	Real, 0, 35	Silverpalm, 1,004, 0
Telde, 72, 321	Cottica, 113, 2,124	President Garfield, 1, 3	Francis R. Hart, 0, 2	Draco, 290, 172
Veragua, 352, 657	R. L. Hustler, 2, 0	Platano, 1,964, 4	Kano Maru, 808, 0	Sonora, 55, 0
Douro, 0, 395	Orotava, 245, 947	Santa Elena, 279, 43	San Felipe, 1,012, 8	Stuyvesant, 776, 69
Prusa, 280, 72	Talamauca, 284, 198	Naruto Maru, 198, 0	Cristobal, 3,755, 963	Argentina Maru, 1, 1
City of San Francisco, 606, 11	Lobos, 0, 654	Chirripo, 0, 1	Doros, 146, 292	Nemours, 752, 0
Meigs, 809, 68	Columbia, 1,263, 691	O. A. Brodin, 0, 4	Santa Maria, 290, 19	Heiyo Maru, 0, 1
Titus, 225, 862	Draco, 595, 432	Tacoma, 0, 7	Real, 0, 7	Herstein, 0, 4
Trajanus, 60, 1	Ulua, 1,148, 2	Sorholt, 0, 1	Silverdelm, 0, 1	Contessa, 284, 26
Chester Valley, 1,222, 458	Istmo, 27, 200	Dagfred, 0, 1	Silversandal, 0, 4	Kirsten B., 0, 12
Orduna, 247, 3	Copiapo, 1,178, 2	Ludington, 240, 270	Amerikaland, 0, 8	Santa Lucia, 522, 7
Virgilio, 653, 20	Nero, 555, 440	Axel Johnson, 95, 431	Selma, 0, 1	City of San Francisco, 7, 0
Ino, 123, 415	City of Newport News, 9, 0	Sagittaire, 20, 1	San Pablo, 321, 1,659	Doros, 708, 0
Passajero, 0, 8	Sau Clemente, 365, 19	San Jose, 98, 1,667	Notos, 5, 588	American Press, 1,383, 871
Van Rensselaer, 105, 1,580	Nuevo Panama, 202, 5	Barge, 23, 0	Jamaica, 84, 809	Santa Clara, 308, 24
Comayagua, 708, 30	Annie Johnson, 151, 633	Douro, 72, 513	Salvador, 368, 393	Lotta, 1, 0
Santa Clara, 328, 27	Reinholt, 139, 0	Manto, 515, 737	Columbia, 671, 875	Dramatist, 4, 0
Hokuroku Maru, 656, 50	Nanman Maru, 505, 0	Tokai Maru, 216, 0	Barge, 39, 0	Wyoming, 144, 1,826
Musa, 2, 0	Cefalu, 555, 332	Lochkatrine, 406, 53	Tadua, 844, 35	Quirigua, 502, 373
Pereira, 713, 715	New York, 50, 0	Ceres, 3,673, 3,855	Tachira, 1,192, 652	Sona, 0, 7
Abangarez, 1,282, 6	Peter Maersk, 608, 532	Talisman, 651, 4	Mataroa, 1, 0	Laura Maersk, 0, 7
Panama, 3,816, 561	Kaipaki, 68, 0	Choluteca, 503, 118	Nero, 216, 403	Fernbank, 0, 2
Colombia, 777, 969	Heranger, 3, 0	Tosca, 20, 450	Greunanger, 80, 26	Comayagua, 776, 469
Musa, 1, 0	Notos, 0, 126	Nemours, 741, 53	Talamauca, 331, 506	Tuyama Maru, 459, 85
Santa Barbara, 622, 33	Cristobal, 0, 308	Norse King, 0, 3	Tachira, 1,192, 652	Missourian, 5, 0
Araby, 368, 328	Acajutla, 0, 572	West Cactus, 123, 267	Gertrude Maersk, 835, 479	Panama, 11, 0
Manto, 285, 176	Quirigua, 340, 1,276	Cefalu, 412, 291	Buenos Aires Maru, 0, 1	Platano, 2,362, 5
Sophocles, 0, 1	Socrates, 4,194, 4,207	Santa Rita, 336, 20	1	Kongsholm, 11, 0
Svealand, 0, 4	Nightingale, 235, 440	Damsterdijk, 0, 416	Maui, 6, 0	Luisia, 0, 22
	San Mateo, 1,140, 238	City of Baltimore, 505, 10	Laila, 0, 8	Tanja, 1, 5

#### BALBOA

Louisianan, 3,434, 0	Acajutla, 0, 1	Port Chalmers, 0, 1	Washington Express, 45, 6	Gertrude Maersk, 191, 0
Santa Inez, 1, 15	Augustus, 1, 0	Draco, 0, 308	Santa Barbara, 227, 125	L. P. St. Clair, 134, 0
Remuera, 1, 0	Oregon Express, 257, 7	British Columbia Express, 580, 3	Argentina Maru, 52, 52	Colombia, 0, 2
Heiyo Maru, 209, 22	Losada, 0, 1	British Columbia Express, 402, 5	Buenos Aires Maru, 0, 7	John Bakke, 88, 0
Liberty, 5,401, 0	Ludington, 86, 4	Vibran, 1,405, 0	Santa Maria, 5, 1	California Express, 746, 32
Meigs, 1,322, 119	Margrethe Bakke, 1, 0	Acajutla, 3, 0	Virgilio, 0, 1	Aconagua, 1, 0
Tachira, 0, 25	Mani, 0, 1	Santa Lucia, 229, 3	Taira, 0, 11	Colombia, 0, 2
Kinka Maru, 2, 0	City of Los Angeles, 2, 2	Grant, 128, 1	Hakusan Maru, 0, 3	City of San Francisco, 3, 2
Reinholt, 1, 0	Pirre, 45, 0	City of San Francisco, 160, 0	Santa Elena, 163, 6	Santa Lucia, 37, 2
Santa Clara, 9, 2	Indianian, 1, 0	City of Newport News, 0, 2	Kano Maru, 2, 0	Kirsten B., 0, 14
Nightingale, 38, 713	City of Baltimore, 219, 0	Kirsten B., 0, 2	Cuba Maru, 1,035, 147	Peter Maersk, 212, 10
Aratea, 3,950, 0	Eso Panama, 166, 0			
Cathwood, 52, 0	Salvador, 0, 15			
Orduna, 0, 3	Santa Inez, 283, 10			
Asakasan Maru, 1, 0				

NOTE.—Figures shown represent short tons of 2,000 pounds.

### Passengers

During January 1940, ocean-ship passengers debarking at Cristobal numbered 2,051, embarking 1,197; at Balboa, 831 debarking and 433 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 3,361, from the Pacific to the Atlantic, 613. Commercial aircraft numbering 77 entered Cristobal with 354 passengers debarking; clearances were 78 with 381 passengers embarking. Balboa entries of aircraft numbered 56, with 166 passengers debarking; clearances were 56, with 191 passengers embarking.

## Movements of Ocean Vessels Through the Panama Canal

### From midnight January 10, 1940, to midnight February 10, 1940

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Jefferson Myers	10	11	Amer.	Charter Corp. of Amer.	New Orleans, La.	Kobe, Japan	(13)	9,562
Tai Yang <sup>2</sup>	10	11	Nor.	Barber-Wilhelmsen	Baltimore, Md.	Shanghai, China	General	6,596
Monte Teide	10	11	Span.	Naviera Aznar	Barry, England	Iquique, Chile	Ballast	
Nako Maru <sup>2</sup>	11	11	Jap.	Nippon Yusen Kaisya	Boston, Mass.	Kobe, Japan	General	7,736
Kaikoura <sup>2</sup>	11	12	Brit.	M. A. N. Z. Line	St. John, N. B.	Brisbane, Aus'lia	General	6,634
Norbri <sup>1</sup>	11	14	Pan.	Standard Oil of N. J.	Aruba, N. W. I.	Balboa, C. Z.	Fuel oil	12,068
Pomona	11	12	Amer.	Pac. Coast Dir. Line.	New York, N. Y.	Seattle, Wash.	General	6,184
Siris	12	12	Brit.	Royal Mail Lines	Los Angeles, Cal.	Los Angeles, Cal.	Ballast	
Shickshinny	12	12	Amer.	Isthmian S. S. Lines	Mobile, Ala.	Seattle, Wash.	Steel, gen.	3,100
H. D. Collier <sup>1</sup>	12	12	Amer.	Standard Oil of Calif.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Kanto Maru <sup>2</sup>	12	12	Jap.	Osaka Syosen Kaisya	Boston, Mass.	Kobe, Japan	Gen., steel	8,348
Santa Barbara <sup>2</sup>	12	13	Amer.	Grace Line	New York, N. Y.	SanAntonio,Chile	General	2,740
Steelcor	12	13	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Nightingale	12	14	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile	General	5,686
Hakusan Maru	11	13	Jap.	Nippon Yusen Kaisya	Liverpool, Eng.	Yokohama, Japan	Lub. oil, gen.	6,888
Avelona Star	13	14	Brit.	Blue Star Line	London, England	New Zealand	Ballast	
Colombia <sup>2</sup>	11	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	900
Yaka	13	14	Amer.	Freeport Sulphur Co.	New Orleans, La.	Fremantle, Aust.	Sulphur	6,750
Manto <sup>2</sup>	12	13	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	175
Acajutla	2	14	Brit.	Pacific Steam Nav. Co	Cristobal, C. Z.	Champ'ico, Guat.	General	597
Araby <sup>2</sup>	2	14	Brit.	Royal Mail Lines	London, England	Vancouver, B. C.	(14)	5,105
Fortuna <sup>2</sup>	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Mussolini <sup>2</sup>	12	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Col. Riche <sup>5</sup>	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge			
K. I. Luckenbach	13	14	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,137
Arizona	14	14	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,659
Yamaura Maru	14	14	Jap.	Yamashita K. Kaisya	BuenosAires,Arg.	Yokohama,Japan	Gas., cotton	6,401
Pacific Star	14	14	Brit.	Blue Star Line	Cardiff, Wales	Williams'h,d,B.C.	Ballast	
West Ivis	14	15	Amer.	McCormick S. S. Co.	BuenosAires,Arg.	Vancouver, B. C.	Coast, gen.	6,742
Ebba <sup>2</sup>	14	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Pirre <sup>2</sup>	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Sambu <sup>2</sup>	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Wanderer <sup>5</sup>	Amer.	H. Z. Brazeal	Cristobal, C. Z.	Balboa, C. Z.	Ballast			
Sorholt <sup>2</sup>	15	15	Nor.	De La Rama S. S. Co.	Baltimore, Md.	Shanghai, China	General	3,699
Buenos Aires Maru <sup>2</sup>	15	16	Jap.	Osaka Syosen Kaisha	BuenosAires,Arg.	Kobe, Japan	Gen., coffee	4,175
Atutasan Maru <sup>2</sup>	15	15	Jap.	Mitsui Bussan Kaisya	New York, N. Y.	Kobe, Japan	Gasoline	7,500
S-44 <sup>7</sup>	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast			
Selma	15	Dan.	Wessel, Duval & Co.	New York, N. Y.	Taleahuano,Chile	General	1,512	
Taybank <sup>2</sup>	15	15	Brit.	Bank Line, Ltd.	Philadelphia, Pa.	Hongkong, China	Steel, gen.	2,172
Steel Trader	15	16	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Singapore, St. Set.	General	7,890
Sona <sup>2</sup>	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	General	23	
Porto Bello <sup>3</sup>	15	15	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
L-55 <sup>9</sup>	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast			
Santoro	13	16	Amer.	Ore S. S. Corp.	Newp't News, Va.	Cruz Gr'de, Chile	Ballast	
Kaldhoff <sup>1</sup>	15	16	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	Tocopilla, Chile	Fuel oil	13,905
City of Manchester	15	17	Brit.	Amer. & Aust. Line	Philadelphia, Pa.	Fremantle, Aust.	General	6,080
American Robin	16	17	Amer.	Amer.-For. S. S. Co.	New York, N. Y.	Vladiv'tok, Rus.	General	6,900
Draco <sup>2</sup>	14	16	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	528
Buenaventura	16	20	Amer.	Amtrg Trading Co.	New York, N. Y.	Manzanillo, Mex.	Copper ingot	3,450
Istmo	14	16	Colom.	Colom. de Cabotajo	Cristobal, C. Z.	B'ventura, Col.	General	577
Massmar	15	17	Amer.	Calmar S. S. Corp.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,477
Losada <sup>2</sup>	15	17	Brit.	Pacific Steam Nav. Co	Liverpool, Eng.	SanAntonio,Chile	Coal	7,919
Fella <sup>2</sup>	15	17	Ital.	Italia Line	Trieste, Italy	Vancouver, B. C.	General	2,820
Ciss	14	17	Nor.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	1,280
El Capitan	17	17	Amer.	E. K. Wood Lum. Co.	New York, N. Y.	Vancouver, B. C.	General	3,300
Maui	17	17	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	3,942
Jeff Davis <sup>2</sup>	17	17	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Shanghai, China	General	5,906
Belita <sup>1</sup>	17	18	Nor.	Reidar Rod.	Genoa, Italy	La Libertad, Ecu.	Ballast	
Lightning	16	17	Amer.	Roosevelt S. S. Co.	Philadelphia, Pa.	Brisbane, Aus'lia	General	6,016
Taira <sup>2</sup>	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Real <sup>2</sup>	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Fortuna <sup>2</sup>	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Santa Elena	17	18	Amer.	Grace Line	New York, N. Y.	SanAntonio,Chile	General	3,747
Peiping <sup>2</sup>	17	18	Swed.	Swed. E. Asiatic Co.	Goth'burg, Swed.	Japan	General	7,458
Steel Exporter	17	18	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Vancouver, B. C.	Steel, gen.	7,991
Point Lobos	18	18	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	Steel, gen.	5,961
Pan-Aruba <sup>1</sup>	18	19	Nor.	Huasteca Pet. Co.	Oslo, Norway	Talara, Peru	Ballast	
Cathwood <sup>1</sup>	17	18	Amer.	Union Oil Co. of Calif	Cristobal, C. Z.	Los Angeles, Cal.	Ballast	
Fordsdale	18	19	Brit.	Shaw, Savill & Albion	London, England	New Zealand	General	3,826
Gen. Wm. M. Graham <sup>11</sup>	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow. barge			
Ludington <sup>8</sup>	18	20	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General	4,430

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>7</sup> Submarine. <sup>8</sup> Transport. <sup>11</sup> Mine planter.  
<sup>13</sup> Cotton, lubricating oil. <sup>14</sup> General, steel plates.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Axel Johnson <sup>2</sup>	18	19	Swed.	Johnson Line	Goth'burg, Swed.	Seattle, Wash.	Paper, gen.	2,056
San Felipe	17	19	Amer.	Quaker Line	New York, N. Y.	Portland, Oreg.	(14)	3,900
Firmore	19	19	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Silvertak <sup>2</sup>	18	19	Brit.	Kerr S. S. Co.	New York, N. Y.	Manila, P. I.	General.	5,856
Black Falcon	19	20	Amer.	Isthmian S. S. Lines.	Mobile, Ala.	Hawaiian Islands	General.	5,746
Socrates <sup>2</sup>	11	20	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	2,900
Trentbank	19	20	Brit.	Bank Line	Tampico, Mex.	Australia	General.	7,997
Port Gisborne <sup>2</sup>	19	20	Brit.	Port Line, Ltd.	London, England	Brisbane, Aust'lia	Paper, planes	6,070
Modavia <sup>2</sup>	19	20	Brit.	Donaldson Line	Glasgow, Scot.	Vancouver, B. C.	General.	928
Seirstad <sup>1</sup>	19	20	Nor.	A. F. Klavens & Co.	Sandefjord, Nor.	S. Francisco, Cal.	Ballast	
Takaoka Maru	19	20	Jap.	Nippon Yusen Kaisya	Boston, Mass.	Kobe, Japan	(15)	8,699
Laura Maersk <sup>2</sup>	19	20	Dan.	A. P. Moller	Boston, Mass.	Hilo, P. I.	General.	6321
Tropic Star <sup>2</sup>	19	21	Nor.	Chile Nit. Sales Corp.	New York, N. Y.	Tocopilla, Chile.	Ballast	
Colombia <sup>2</sup>	18	20	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	533
San Pablo	18	20	Pan.	United Fruit Co.	New Orleans, La.	Amapala, Hond.	General.	1,437
West Cape	20	21	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General.	7,113
Anna	20	21	Greek	Chile Nit. Sales Corp.	Wilmingtun, Del.	Tocopilla, Chile.	Ballast	
Oregonian	20	21	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General.	3,683
Mussolini <sup>2</sup>	19		Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
West Harshaw	20	21	Amer.	Grace Line	New York, N. Y.	Tocopilla, Chile.	General.	3,555
Douro <sup>2</sup>	19	21	Neth.	Royal Neth. S. S. Co.	Curacao, N.W.I.	Guayaquil, Ecu.	General.	585
Pluveise <sup>1</sup>	20	21	Fr.	Raffinerie de Berre.	Rouen, France.	Talara, Peru	Ballast	
Hopepeak <sup>2</sup>	20	21	Brit.	Hopemount Ship. Co.	Hull, England.	Vancouver, B. C.	Ballast	
Panamam	21	21	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General.	6,378
Manto <sup>2</sup>	19	21	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	550
Lochkatrine <sup>2</sup>	21	21	Brit.	Royal Mail Lines	London, England	Vancouver, B. C.	General.	1,543
Laila	20	21	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talechuan, Chile	General.	1,986
Kazuura Maru <sup>2</sup>	21	21	Jap.	Mitsubishi Shoji K.	Baltimore, Md.	Kobe, Japan	Copper, oil.	9,045
Nordnes	21	22	Nor.	Botwaver, London	London, England	Freemantle, Aust.	Newsprint	5,699
President Monroe	21	22	Amer.	Amer.-President Lines	Boston, Mass.	Round the World	Maeb., gen.	6,135
Fortuna <sup>2</sup>	20		Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
City of Los Angeles	22	22	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.	3,288
Port St. John <sup>2</sup>	21	22	Brit.	M. A. N. Z. Line	Montreal, Canada	Brisbane, Aust'lia	General.	5,967
Charleston <sup>13</sup>	10		Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
El Grillo <sup>1</sup>	21	22	Brit.	C. T. Bowring & Co.	Le Havre, France	Cabo Bl'co, Peru.	Ballast	
Queen Victoria <sup>2</sup>	21	22	Brit.	Canadian Transp. Co.	Garston, Eng.	Vancouver, B. C.	Ballast	
West Ekonk	22	22	Amer.	Chile Nit. Sales Corp.	Savannah, Ga.	W. coast S. Amer.	Ballast	
Kent	22	23	Brit.	Federal Steam Nav. Co.	Newport, Eng.	Pt. Chalmers, N.Z.	General.	6,639
Derymore <sup>2</sup>	22	23	Brit.	McCowen & Gross.	Avonmouth, Eng.	Vancouver, B. C.	Ballast	
Grenanger <sup>2</sup>	22	23	Nor.	Westfal, Larsen & Co.	BuenosAires, Arg.	Seattle, Wash.	General.	3,868
Leticia <sup>2</sup>	22		Pan.	A. Tagaropolos	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
J-55 <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
J-59 <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Porto Bello <sup>3</sup>	22	22	Pan.	A. Tagaropolos	Cristobal, C. Z.	Real, R. P.	General.	5
Rodley <sup>2</sup>	22	23	Brit.	Stephens Sutton	Sunderland, Eng.	Brit. Columbia	Ballast	
Black Condor	22	23	Amer.	States Marine Corp.	New York, N. Y.	Shanghai, China	(16)	6,996
Yorkmar	22	23	Amer.	Calmar S. S. Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,161
Argentina Maru <sup>2</sup>	23	24	Jap.	Osaka Syosen Kaisya	Montevideo, Uru.	Kobe, Japan	General.	2,536
Tosca <sup>2</sup>	22	23	Nor.	Knutsen Line	Oslo, Norway	Valparaiso, Chile.	Gen., paper	3,767
Bengal Maru	22	23	Jap.	Nippon Yusen Kaisya	Portland, Maine.	Osaka, Japan	Gas, lub. oil	4,933
J. L. Luckenbach	23	23	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Steel, gen.	5,910
Knute Nelson <sup>2</sup>	22	23	Nor.	Fred Olsen & Co.	Oslo, Norway	Seattle, Wash.	General.	3,606
West Cactus	23	23	Amer.	McCormick S. S. Co.	BuenosAires, Arg.	Los Angeles, Cal.	Gen., coffee	4,000
Wimona	23	24	Amer.	Pac. Coast Dir. Line.	New York, N. Y.	Tacoma, Wash.	General.	5,370
Testbank	23	24	Brit.	Ministry of Supply.	Newport, Eng.	Brit. Columbia	Ballast	
Rimutaka	23	25	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	General.	2,872
Hopecrest <sup>2</sup>	23	25	Brit.	Ministry of Supply.	London, England	Vancouver, B. C.	Ballast	
Salvador	18	25	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champico, Guat.	General.	411
Jean Lafitte	24	25	Amer.	States Marine Corp.	Houston, Texas.	Kobe, Japan	Serap iron.	7,516
Taira <sup>2</sup>	23		Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	23		Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Damsterdijk <sup>2</sup>	23	25	Neth.	Holland-Amer. Line	Rotterdam, Neth.	Seattle, Wash.	General.	686
K. R. Kingsbury <sup>1</sup>	24	25	Amer.	Standard Oil of Calif.	New York, N. Y.	S. Francisco, Cal.	General.	
Agnete Maersk <sup>2</sup>	24	25	Dan.	West Indian Trad. Co.	Aalborg, Den.	Guayaquil, Ecu.	Cement.	2,855
Australind <sup>2</sup>	24	26	Brit.	Australind S. S. Co.	New York, N. Y.	Australian ports.	General.	5,444
Edwin Christenson	25	25	Amer.	Sundrad & Christenson	Baltimore, Md.	Seattle, Wash.	General.	5,166
Lt. Col. H. C. Schumm <sup>4</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Darlington Court <sup>2</sup>	25	26	Brit.	Ministry of Supply.	London, England	Vancouver, B. C.	Ballast	
Rugeley <sup>2</sup>	26	26	Brit.	Stephens Sutton	Glasgow, Scot.	Vancouver, B. C.	Ballast	
Geisha <sup>2</sup>	25	26	Nor.	Knut Knutsen O.A.S.	Oarusk'ak, Swed.	Oakland, Calif.	Wood pulp.	5,445
Maine	25	27	Amer.	Calif.-Eastern Line.	New York, N. Y.	Portland, Oreg.	General.	5,881
Real <sup>2</sup>	20		Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Santa Inez <sup>2</sup>	26	28	Amer.	Grace Line	New York, N. Y.	Ant'fagasta, Chile	General.	2,166
Pereira	25	27	Pan.	Grace Line	Curacao, N. W. I.	B'ventura, Col.	Gen., grain.	255
Illinois <sup>1</sup>	26	27	Amer.	The Texas Co	Pt. Arthur, Tex.	Los Angeles, Cal.	(17)	9,325

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch.<sup>13</sup> Gunboat.<sup>14</sup> Pipe, steel, general.<sup>15</sup> Phosphate, cotton, etc. <sup>16</sup> Cotton, steel rails. <sup>17</sup> Lubricating oil and grease.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
King Lud <sup>2</sup>	26	27	Brit.	Canadian Transp. Co.	London, England	Vancouver, B. C.	Ballast	
Colombia <sup>2</sup>	25	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	521
Herstein <sup>2</sup>	26	27	Nor.	Mitsubishi Shoji K.	Houston, Tex.	Osaka, Japan	(13)	8,070
Stjerneborg <sup>2</sup>	26	28	Dan.	C. K. Hansen	New Orleans, La.	Osaka, Japan	(14)	7,871
Cripple Creek	26	28	Amer.	Lykes Bros. S. S. Co.	New Orleans, La.	Yokohama, Japan	(15)	6,935
Maranon	26	27	Peruv.	Cia. Peruana de Vap.	Iquitos, Peru.	Callao, Peru.	Timber, gen.	2,072
Florence Luckenbach	27	28	Amer.	Luckenbach Line	New York, N. Y.	Tacoma, Wash.	General	6,502
Escobal <sup>5</sup>	26		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Woodcock <sup>11</sup>			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Mussolini <sup>2</sup>	26		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Gen. Wm. M. Graham <sup>11</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow barge	
Colon <sup>2</sup>	26		Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Rolling Stone <sup>5</sup>	27		Pan.	Robert Wilcox	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Ambition <sup>5</sup>	27		Pan.	Francisco Ehrman	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Steel Navigator	27	28	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Singapore, St. Set.	Steel, gen.	6,097
Brand <sup>2</sup>	27	29	Nor.	Quebec North Shore	Liverpool, N. S.	Melbourne, Aust.	Newsprint	5,467
Black Gull	27	28	Amer.	Isthmian S. S. Lines	Portland, Me.	S. Francisco, Cal.	Steel, gen.	5,803
Gateway City	27	28	Amer.	Mitsui & Co.	Mobile, Ala.	Osaka, Japan	(16)	7,569
Chilore	27	28	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Port Chalmers <sup>2</sup>	27	28	Brit.	Port Line, Ltd.	Avonmouth, Eng.	New Zealand	Ballast	
Rothley <sup>2</sup>	27	28	Brit.	Stephen Sutton Co.	Barry, England	Vancouver, B. C.	Ballast	
Missourian <sup>2</sup>	27	29	Amer.	Amer.-Hawaian Line	Boston, Mass.	Tacoma, Wash.	General	4,800
Hannington Court	28	29	Brit.	Ministry of Supply	London, England	Vancouver, B. C.	Ballast	
Sambu <sup>2</sup>	27		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pirre <sup>2</sup>	27		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Col. Riche <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow barge	
Honomu	24	29	Amer.	Isthmian S. S. Lines	New York, N. Y.	Hilo, T. H.	General	4,245
Sonora <sup>2</sup>	28	1	Pan.	Chile Nit. Sales Corp.	B'quilla, Colom.	Chile	Ballast	
City of San Francisco	29	29	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	3,764
Ringwood <sup>2</sup>	28	29	Nor.	Mitsubishi Kaisha	Texas City, Tex.	Moji, Japan	Scrap iron	9,669
Lotta	28	29	Dan.	Wessel, Duval & Co.	New York, N. Y.	Taleahuano, Chile	General	1,730
King William <sup>2</sup>	28	29	Brit.	Anglo-Can. S. S. Co.	Middlesb'gh, Eng.	Br. Columbia	Ballast	
Taketoyo Maru	28	29	Jap.	Nippon Yusen Kaisha	B'quilla, Colom.	Kobe, Japan	Gasoline, gen.	7,931
Draco <sup>2</sup>	27	30	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	422
Manto <sup>2</sup>	27	29	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Pto. Bolivar	General	533
Kinai Maru <sup>2</sup>	28	29	Jap.	Osaka Syosen Kaisya	New York, N. Y.	Kobe, Japan	Steel, gen.	7,217
Kagu Maru <sup>2</sup>	29	29	Jap.	Kokusai Kisen Kaisya	New York, N. Y.	Kobe, Japan	Steel, cotton	7,199
Harpoon	29	30	Amer.	Amort Trading Co.	New York, N. Y.	Manzanillo, Mex.	Copper	7,991
Ceres	20	29	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Corral, Chile	General	3,000
Nairnbank <sup>2</sup>	29	30	Brit.	Bank Line, Ltd.	Galveston, Tex.	N. Plym'th, N.Z.	Lub. oil, gen.	8,213
Porto Bello <sup>3</sup>	29	29	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Windward <sup>3</sup>	14		Brit.	Michael Johnson	Poole, England	Sydney, Australia	Ballast	
Akagi Maru <sup>2</sup>	1	30	Jap.	Nippon Yusen Kaisha	Boston, Mass.	Kobe, Japan	Lead, lub. oil	6,843
Fortuna <sup>3</sup>	30		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Robert Luckenbach	30	31	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	7,300
Weirbank <sup>2</sup>	31	31	Brit.	Bank Line, Ltd.	S. Shields, Eng.	Brit. Columbia	Ballast	
Queen Maud <sup>2</sup>	31	31	Brit.	Thos. Dunlop & Sons	Newcastle, Eng.	Vancouver, B. C.	Ballast	
Kirsten B.	25	31	Nor.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	612
Amerikaland <sup>2</sup>	31	1	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Sinaloa	31	1	Hond.	United Fruit Co.	New Orleans, La.	Golfoito, C. R.	(17)	2,108
Bienville	31	1	Amer.	Mitsui Line	New York, N. Y.	Yokohama, Japan	Scrap, gen.	7,488
Sona <sup>2</sup>	30		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu <sup>2</sup>	30		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	30		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Taura <sup>2</sup>	30		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
J-59 <sup>5</sup>	22		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Putt Putt <sup>5</sup>			Amer.	R. W. Kenny	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Santa Clara	31	1	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile	General	2,874
Kungsholm <sup>2</sup>	31	1	Swed.	Swedish-Amer. Line	New York, N. Y.	Honolulu, T. H.	Passengers	
Estero	31	1	Pan.	Chile Nit. Sales Corp.	Philadelphia, Pa.	Chile	Ballast	
Kansan	1	1	Amer.	Amer.-Hawaian Line	Baltimore, Md.	Seattle, Wash.	General	6,186
Kongsgaard <sup>1</sup>	30	1	Nor.	S. A. Petrofina	Dunkerque, Fr.	Talara, Peru	Ballast	
West Cobalt	1	1	Amer.	Chile Nit. Sales Corp.	Savannah, Ga.	Chile	Ballast	
City of Glasgow	1	2	Brit.	M. A. N. Z. Line	Halifax, N. S.	Sydney, Australia	General	3,455
Roxane <sup>1</sup>	1	2	Fr.	French Government	Rouen, France	Talara, Peru	Ballast	
L-53 <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Edith <sup>5</sup>			Amer.	C. B. Fenton	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Tachira	31	2	Pan.	Grace Line	Aruba, N. W. I.	Guayaquil, Ecu.	Coffee, gen.	475
Campeche	1	2	Mex.	Mexican Government	Tampico, Mexico	Salina Cruz, Mex.	(18)	694
Pietro Orselo <sup>2</sup>	1	2	Ital.	Continental Grain Co.	New York, N. Y.	Valdiv'ok, Russ.	General	9,028
Scholarie	1	2	Amer.	Chile Nit. Sales Corp.	Baltimore, Md.	Tocopilla, Chile	Ballast	
Imperial <sup>2</sup>	1	2	Chile	Cia. Sud Am. de Vap.	New York, N. Y.	Valparaiso, Chile	General	3,439
Orotava	1	3	Hond.	United Fruit Co.	New Orleans, La.	Golfoito, C. R.	Cement, gen.	1,661
Ningpo <sup>2</sup>	2	3	Swed.	Swed.-East Asiatic Co.	Goth'burg, Swed.	Manila, P. I.	General	8,743
Nero <sup>2</sup>	2	3	Neth.	Royal Neth. S. S. Co.	Curacao, N.W.I.	B'ventura, Col.	Lard, gen.	296

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>10</sup> Mine sweeper. <sup>11</sup> Mine planter. <sup>13</sup> Scrap steel, coke, etc. <sup>14</sup> Scrap iron, cotton. <sup>15</sup> Scrap iron, lead. <sup>16</sup> Steel, lubricating oil. <sup>17</sup> Railroad material. <sup>18</sup> Gasoline, kerosene.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Helga	2	3	Dan.	J. Lauritzen	New York, N. Y.	Talcahuano, Chile	General	1,571
Barforn <sup>2</sup>	3	3	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	Tocopilla, Chile	(14)	14,052
Bishopdale <sup>1 2</sup>	3	3	Brit.	British Admiralty	Kingston, Jam.	High seas	Fuel oil	9,940
Lochmonar <sup>2</sup>	2	3	Brit.	Royal Mail Lines	London, England	Vancouver, B. C.	General	250
City of Dalhart <sup>2</sup>	2	3	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Shanghai, China	General	6,418
Vermar	2	3	Amer.	Calmar Line	Philadelphia, Pa.	Seattle, Wash.	Steel, gen.	5,440
Black Osprey	2	3	Amer.	States Marine Corp.	New Orleans, La.	Kobe, Japan	(15)	7,372
S. C. T. Dodd <sup>1</sup>	2	3	Amer.	Standard Oil of Calif.	Providence, R. I.	S. Francisco, Cal.	Ballast	
Titania <sup>2</sup>	2	4	Nor.	Barber-Wilhelmssen	Baltimore, Md.	Moji, Japan	General	7,673
Yamazato Maru <sup>2</sup>	2	4	Jap.	Yamashita Line	Buenos Aires, Arg.	Kobe, Japan	General	4,079
Hokkai Maru <sup>2</sup>	3	4	Jap.	Osaka Syosen Kaisya	Liverpool, Eng.	Dairen, China	(16)	8,436
Mussolini <sup>1</sup>	2	2	Pan	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Teeka <sup>2</sup>	2	2	Amer.	J. F. Fate	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Lt. Col. H. C. Schumm <sup>4</sup>	2	2	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
J. Fred Talbott <sup>9</sup>	31	31	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Kaituna <sup>2</sup>	3	5	Brit.	Amer.-Australian Line	Philadelphia, Pa.	Adelaide, Aust.	General	6,057
Norvinn <sup>1 2</sup>	3	4	Pan	Anglo-Saxon Pet. Co.	Curacao, N.W.I.	Los Angeles, Cal.	Steel	
Lorward	3	4	Amer.	Calmar Line	Baltimore, Md.	Tacoma, Wash.	Ballast, gen.	6,721
Niel Maersk <sup>2</sup>	3	4	Dan.	A. P. Moller	Savannah, Ga.	Cebu, P. I.	General	6,896
Port Alma <sup>2</sup>	3	4	Brit.	Port Line	Liverpool, Eng.	Auckland, N. Z.	General	6,426
Colombia <sup>2</sup>	2	4	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	768
Irona	4	5	Hond.	United Fruit Co.	Philadelphia, Pa.	Pto. Arm'les, R.P.	Ballast	
Delftdijk <sup>2</sup>	2	4	Neth.	Holland-Amer. Line	Rotterdam, Neth.	Seattle, Wash.	Pipes, gen.	986
W. R. Keever	3	5	Jap.	Texas-Gulf Sulphur	Galveston, Tex.	Tacoma, Wash.	Sulphur	7,888
Goyo Maru	4	5	Jap.	Kawasaki Kisen K.	New York, N. Y.	Tokuyama, Japan	Steel, cotton	8,783
Paul Luckenbach	4	5	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	6,073
Fortuna <sup>3</sup>	3	3	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Service No. 2 <sup>5</sup>	3	5	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Taira <sup>2</sup>	3	5	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Eugenia D. <sup>5</sup>	4	4	Pan	C. Davis	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
City of Norfolk	4	5	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	Mach'y, gen.	4,618
Kinugasa Maru <sup>2</sup>	4	5	Jap.	Kokusai Kisen Kaisya	New York, N. Y.	Kobe, Japan	Scrap, gen.	7,139
Emidio <sup>1</sup>	5	6	Amer.	Gen. Petroleum Corp.	Aruba, N. W. I.	Los Angeles, Cal.	(14)	10,339
Iowan	4	5	Nor.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,785
Somerville <sup>2</sup>	5	5	Amer.	Fern Line	New Orleans, La.	Shanghai, China	Cotton, steel	5,726
Orao	5	5	J-Stav.	Chile Nit. Sales Corp.	Pensacola, Fla.	Chile	Ballast	
Istmo	5	5	Colom.	Cia. Colom. Cabotaje	Cartagena, Col.	B'ventura, Col.	Salt, fuel oil	690
West Gambo	5	6	Amer.	Chile Nit. Sales Corp.	Mobile, Ala.	Chile	Ballast	
Meigs <sup>8</sup>	3	6	Amer.	U. S. Army	Brooklyn, N. Y.	S. Francisco, Cal.	Stores	7,599
Macabi	5	6	Pan	United Fruit Co.	Boston, Mass.	Golfoito, C. R.	R. R. equip.	3,100
Douro <sup>2</sup>	2	6	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	345
Lihue	5	6	Amer.	Matson Nav. Co.	Baltimore, Md.	Honolulu, T. H.	General	3,901
Porto Bello <sup>3</sup>	5	5	Pan	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Nemoura <sup>2</sup>	29	6	Fr.	French Line	Pt. Limon, C. R.	Guayaquil, Ecu.	General	35
Rialto <sup>2</sup>	4	6	Ital.	Italian Line	Trieste, Italy	Vancouver, B. C.	General	2,085
Bethore	5	6	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Texan	5	6	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	4,747
Akaroa	6	7	Brit.	Shaw, Savill & Albion	London, England	Pt. Chalmers, N.Z.	General	4,000
Pacific President <sup>2</sup>	5	7	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	1,471
Elmbank <sup>2</sup>	5	7	Brit.	Bank Line, Ltd.	Manchester, Eng.	Brit. Columbia	Ballast	
President Adams	7	7	Amer.	Amer.-President Lines	New York, N. Y.	S. Francisco, Cal.	General	5,718
Onomea	6	7	Amer.	Grace Line	Baltimore, Md.	San Antonio, Chile	Steel, gen.	5,150
Atlantic <sup>1 2</sup>	7	7	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	San Antonio, Chile	Fuel oil	10,500
Azalea City	6	7	Amer.	Waterman S. S. Co.	Mobile, Ala.	Kobe, Japan	(15)	7,122
Oklahoman	7	8	Amer.	Chilean Explor. Co.	New York, N. Y.	Chanaral, Chile	(17)	4,633
Effingham	7	8	Amer.	Lykes Bros. S. S. Co.	New Orleans, La.	Shanghai, China	Cotton, lead	7,010
Pirre <sup>2</sup>	6	8	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	6	8	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	6	8	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Hopecrown <sup>2</sup>	8	8	Brit.	Ministry of Supply	Tyne, England	Vancouver, B. C.	Ballast	
Sysla <sup>1 2</sup>	8	8	Nor.	Nor. Brudseelskomp.	Lisbon, Portugal	Los Angeles, Cal.	Ballast	
Kinka Maru <sup>2</sup>	8	8	Jap.	Kokusai Kisen Kaisya	New York, N. Y.	Kobe, Japan	Cotton, gen.	8,196
Lebore	8	8	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Santa Maria <sup>2</sup>	8	9	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile	General	4,127
W. H. Berg <sup>1</sup>	8	9	Amer.	Sun Oil Co.	Cartaret, N. J.	Los Angeles, Cal.	Ballast	
Marore	8	10	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Leticia <sup>2</sup>	6	9	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Everelza	8	9	Latv.	Chile Nit. Sales Corp.	Baltimore, Md.	Antof gasta, Chile	Coal	5,000
Rabaul <sup>2</sup>	8	9	Brit.	W. R. Carpenter & Co.	London, England	Sydney, Australia	Sulphur, gen.	7,555
Western Queen	8	9	Amer.	Chile Nit. Sales Corp.	Savannah, Ga.	Chile	Ballast	
Jane Christenson	9	9	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	7,559
Alice <sup>5</sup>	8	9	Amer.	A. W. Limbsay	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Liberty Glo.	10	10	Amer.	Amer.-For. S.S. Corp.	New Orleans, La.	Everett, Wash.	Sulphur	7,200
Daleros	10	10	Brit.	Ministry of Supply	Birkenhead, Eng.	Brit. Columbia	Ballast	
Rosita	7	10	Peru.	Expreso Marit. S. A.	Pto. Colombia	Paíta, Peru	Ballast	
L. P. St. Clair <sup>1</sup>	10	11	Amer.	Union Oil of Calif.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Sessa	10	10	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General	1,506
Hermes	7	11	Neth.	Royal Neth. S. S. Co.	Amsterdam, Neth.	Guayaquil, Ecu.	General	1,728

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>8</sup> Transport. <sup>9</sup> Destroyer. <sup>14</sup> Fuel and Diesel oil. <sup>15</sup> Cotton, steel rails. <sup>16</sup> Scrap iron, general. <sup>17</sup> Steel, coal, coke.

## PACIFIC TO ATLANTIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Pennsylvanian	10	11	Amer.	Amer.-Hawaiian Line.	Tacoma, Wash.	Boston, Mass.	Lumber, gen.	6,664
Delaware	10	11	Amer.	Amer.-Hawaiian Line.	Los Angeles, Cal.	Boston, Mass.	Potash	7,228
Ekaterini Comantaronou	10	11	Greek.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Pensacola, Fla.	Nitrate	11,423
Colombia <sup>2</sup>	11	13	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	(14)	702
Caithness <sup>2</sup>	10	12	Brit.	Canadian Transp. Co.	N.Westm'cr, B.C.	London, England	Lumber, gen.	8,554
Mattaru <sup>9</sup>	11	11	Amer.	U. S. Navy.	Balboa, C. Z.	Cristobal, C. Z.		
Maroussio Lagothetis.	11	11	Greek.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Genoa, Italy	Nitrate	7,460
Socrates <sup>2</sup>	11	11	Neth.	Royal Neth. S. S. Co.	Valparaiso, Chile.	Cristobal, C. Z.	Sugar, cotton	3,740
Timber Rush	11	12	Amer.	Shepard S. S. Co.	Astoria, Oreg.	Boston, Mass.	Lumber, gen.	7,433
Mussolini <sup>2</sup>	12	13	Pan.	E. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	65
San Mateo	12	14	Fr.	French Line.	Valparaiso, Chile.	Havre, France.	(15)	7,860
Manto <sup>2</sup>	11	13	Neth.	W. I. Scheepv.	Guayaquil, Ecua.	Cristobal, C. Z.	(16)	255
Kiyokawa Maru <sup>2</sup>	12	13	Jap.	Kawasaki K. Kaisya	Tsingtao, China.	New York, N. Y.	(17)	4,509
Ebba <sup>2</sup>	12	14	Pan.	H. Obarrio	El Real, R. P.	Cristobal, C. Z.	Bananas	33
Aobasan Maru <sup>2</sup>	12	12	Jap.	Mitsui Bussan Kaisya	Dairen, China.	New York, N. Y.	Sugar, gen.	7,293
Kalani	12	13	Amer.	Matson Nav. Co.	Honolulu, T. H.	New York, N. Y.	Raw sugar	7,578
Porto Bello <sup>2</sup>	12	15	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Bananas, lum	24
Silversandal <sup>2</sup>	12	13	Brit.	Silver Line, Ltd.	Hongkong, China	New York, N. Y.	(15)	8,761
Angustus <sup>2</sup>	13	14	Ital.	Italia, S. A. N.	Valparaiso, Chile.	Genoa, Italy	Copper, gen.	3,710
Lebore	13	13	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,300
Memphis City	12	13	Amer.	Isthmian S. S. Lines.	Wilmington, Cal.	Baltimore, Md.	Lumber, gen.	8,030
Ciss	12	17	Nor.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General.	784
Absaroka	12	13	Amer.	McCormick S. S. Co.	Townsend, Wash.	New York, N. Y.	Lumber	7,304
O. A. Brodin	12	14	Swed.	Seaboard Ship. Co.	Chemainus, B. C.	New York, N. Y.	Lumber	2,557
Hegira	13	13	Amer.	Weyerhaeuser S. S. Co.	Everett, Wash.	Norfolk, Va.	Lumber, gen.	9,932
Oklahoman	13	14	Amer.	Chile Exploration Co.	Chanaral, Chile.	New York, N. Y.	Copper	7,529
Pirre <sup>2</sup>	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	40
Sambn <sup>2</sup>	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Sona <sup>2</sup>	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Talaralite <sup>1</sup>	13	14	Brit.	Imperial Oil Co.	B'ventura, Col.	Cartagena, Col.	Ballast	(18)
Indian Prince <sup>2</sup>	13	14	Brit.	Prince Line	Los Angeles, Cal.	United King.	(18)	7,957
Draco <sup>2</sup>	14	16	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, hides.	556
Istmo	14	16	Colomb.	Colomb. de Cabetaje.	B'ventura, Col.	Cristobal, C. Z.	Coffee	185
Skjelbred <sup>2</sup>	14	14	Nor.	Fern Line	Ilolo, P. I.	Baltimore, Md.	Sugar, copra.	8,143
Tacoma <sup>2</sup>	13	14	Dan.	Isthmian S. S. Lines.	Singapore, St. Set	Boston, Mass.	General.	6,838
Kohala	12	14	Amer.	Matson Nav. Co.	Honolulu, T. H.	New Orleans, La.	(20)	7,050
City of Norfolk	14	16	Amer.	Panama-Pacific Line.	Los Angeles, Cal.	New York, N. Y.	Sugar, gen.	5,276
Amerikaland <sup>2</sup>	15	15	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,600
New York <sup>1</sup>	10	15	Amer.	The Texas Co.	Balboa, C. Z.	Port Arthur, Tex.	Gasoline	2,600
Imperial <sup>2</sup>	15	16	Chile.	Cia. Sud Amer. de Vap	Corral, Chile.	New York, N. Y.	Frozen, gen.	5,172
Marymar	15	15	Amer.	Calmar S. S. Corp.	Seattle, Wash.	Philadelphia, Pa.	Lumber	7,400
Point Brava	15	15	Amer.	Wayne & Hoyt.	Portland, Oreg.	Tampa, Fla.	General.	6,501
Castelbianco	15	15	Ital.	Chile Nit. Sales Corp.	Antof'gasta, Chile	Venice, Italy	Nitrate	7,600
California Star <sup>2</sup>	15	16	Brit.	Blue Star Line.	Los Angeles, Cal.	Liverpool, Eng.	Frozen, gen.	7,623
Antinus	15	16	Amer.	Waterman S. S. Corp.	Manila, P. I.	New Orleans, La.	Raw sugar	8,500
S. C. T. Dodd <sup>1</sup>	15	16	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Providence, R. I.	Furnace oil.	9,360
Fortuna <sup>2</sup>	16	17	Pan.	Elliot Ship. & Land Co.	El Real, R. P.	Cristobal, C. Z.	Bananas	90
Dagfred <sup>2</sup>	15	16	Nor.	Gen. Tobacco Co., P. I	Ilolo, P. I.	New Orleans, La.	Sugar in bags	7,695
Kano Maru <sup>2</sup>	15	17	Jap.	Kokusai Kisen Kaisya	Kobe, Japan	New York, N. Y.	General.	3,386
Wellington Star <sup>2</sup>	16	17	Brit.	Blue Star Line.	Pt. Chalmers, N.Z.	United Kingdom.	Frozen, gen.	9,706
Stamatis G. Embiricos.	16	17	Greek.	Chile Nit. Sales Corp.	Antof'gasta, Chile	Azores <sup>13</sup>	Nitrate	7,100
West Cobalt	16	17	Amer.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	Nitrate	8,157
Sessa	16	17	Dan.	Wessel, Duval & Co.	San Antonio, Chile	New York, N. Y.	General.	2,797
Tuiru <sup>2</sup>	16	17	Pan.	Cia. Nav. Laffargue.	Darien, R. P.	Cristobal, C. Z.	Bananas	52
Real <sup>2</sup>	16	17	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	40
Westwood <sup>1</sup>	16	18	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Cristobal, C. Z.	Fuel oil	9,000
Wish Kyska	16	17	Amer.	Arrow Line.	Warrenton, Oreg.	Baltimore, Md.	Lumber	7,551
Naruto Maru <sup>2</sup>	16	18	Jap.	Nippon Yusen Kaisya	Keelung, Formosa	Baltimore, Md.	General.	4,046
Columbian	17	17	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	6,725
S-156 <sup>7</sup>	17	17	Amer.	U. S. Navy.	Balboa, C. Z.	Cristobal, C. Z.		
Santa Maria <sup>2</sup>	17	18	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General.	5,108
Sonora <sup>2</sup>	16	18	Pan.	Keene Line	S. Francisco, Cal.	Barranquilla, Col.	(21)	1,412
Elisavet	17	18	Greek.	Chile Nit. Sales Corp.	Iquique, Chile	Venice, Italy	Nitrate	5,723
Sagittaire <sup>2</sup>	17	19	Fr.	French Line.	Nonnea, N. Guat.	Marseille, France.	(22)	7,293
Salvador	17	19	Brit.	Pacific Steam Nav. Co	Champ'ico, Caled	Cristobal, C. Z.	General.	343
San Jose	18	21	Fr.	French Line.	Vancouver, B. C.	Havre, France	Logs, gen.	4,849
White Crest	18	19	Brit.	Canadian Transp. Co.	Vancouver, B. C.	England	Timber	7,040
Colombia <sup>2</sup>	18	20	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	608
Norse King	18	19	Nor.	Loxley & Co., London	Kohsichang	Cuba	Rice	7,780
Orotava	18	19	Hond.	United Fruit Co.	San Jose, C. R.	New Orleans, La.	General.	239
Bethore	18	19	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,200
Venezuela <sup>2</sup>	18	20	Swed.	Johnson Line.	Seattle, Wash.	Goth'burg, Swed.	General.	5,287
Montanan	18	19	Amer.	Amer.-Hawaiian Line.	Everett, Wash.	Boston, Mass.	General.	6,340
Manto <sup>2</sup>	18	21	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	(23)	465

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Submarine. <sup>4</sup> Destroyer. <sup>5</sup> For orders. <sup>6</sup> Coffee, live plants. <sup>7</sup> Cotton, copper, nitrate. <sup>8</sup> Wood, coffee, rubber. <sup>9</sup> Silk, tea, general. <sup>10</sup> Rubber, sugar, general. <sup>11</sup> Borax, zinc, cotton. <sup>12</sup> Sugar, canned pineapples. <sup>13</sup> Copra, coconut oil. <sup>14</sup> Copra, nickel, general. <sup>15</sup> Machinery parts, coffee.

## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Fjeld	18	19	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Kalundborg, C. Z.	Nitrate	4,350
Tachira	19	21	Pan.	Grace Line	Guayaquil, Ecu.	Cristobal, C. Z.	(15)	1,060
Mussolini <sup>2</sup>	19	20	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	80
Tokai Maru <sup>2</sup>	19	20	Jap.	Osaka Syosen Kaisya	Dairen, China.	Antwerp, Belgium	General	6,406
Ebba <sup>2</sup>	19	20	Pan.	H. Obarrio	El Real, R. P.	Cristobal, C. Z.	Bananas	49
Mataroa	19	20	Brit.	Shaw, Savill & Albion	Napier, N. Z.	London, England	Frozen, gen.	5,936
Indianian	19	19	Amer.	Grace Line	Valparaiso, Chile.	New York, N. Y.	Copper, sugar	8,652
Gen. Wm. M. Graham, <sup>11</sup>	19		Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Porto Bello <sup>2</sup>	19	19	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(14)	16
Vibrant <sup>2</sup>	19	20	Nor.	Knut Knutsen Line.	Pisco, Peru.	Aalborg, Den.	Cotton cake.	2,478
San Rafael	19	20	Amer.	Quaker Line	Portland, Ore.	Philadelphia, Pa.	Lumber, gen.	8,680
Ceres	19		Neth.	Royal Neth. S. S. Co.	Valparaiso, Chile.	Cristobal, C. Z.	General	3,304
Nero <sup>2</sup>	19	22	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(15)	211
Fortuna <sup>2</sup>	20	21	Pan.	Elliot Ship. & Land Co.	El Real, R. P.	Cristobal, C. Z.	Bananas	73
Steelmaker	19	20	Amer.	Isthmian S. S. Lines.	Pt. Angeles, Wash.	Baltimore, Md.	Lumber, gen.	7,951
Andrea F. Luckbach.	20	20	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	General	12,088
Hopecastle <sup>2</sup>	20	21	Brit.	Anglo-Can. S. S. Co.	Victoria, B. C.	United Kingdom.	Grain, lum.	8,700
Real <sup>2</sup>	20		Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Hidalgo <sup>2</sup>	19	21	Mex.	Keene Line	St. Helens, Oreg.	Barbados, B.W.I.	Lumber	1,203
Talisman	20	22	Nor.	Barber Line	Panganiban, P. I.	New York, N. Y.	Lumber, gen.	6,547
Stag Hound	21	21	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	Copper, ores.	8,784
Charlie Watson <sup>1</sup>	21	21	Amer.	Asiatic Pet. Corp.	Los Angeles, Cal.	Caracao, N. W. I.	Petroleum C	1,855
Pennsylvania Sun, <sup>1 2</sup>	21	22	Amer.	Sun Oil Co.	El Segundo, Calif	Marcus Hook, Pa.	Gasoline	17,507
Marore	22	22	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Alabaman	22	23	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,988
Middlesex	22	23	Brit.	Federal Steam Nav.Co	Wellington, N. Z.	United Kingdom.	Frozen, gen.	7,827
Gertrude Maersk <sup>2</sup>	22	23	Dan.	Maersk Line	Hongkong, China	Savannah, Ga.	General	4,554
Nemours <sup>2</sup>	22	24	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	(16)	664
Lieut. Col. H. C. Schumm, <sup>4</sup>	22	25	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	(17)	
Minnesota	22	23	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	6,185
Santa Rita <sup>2</sup>	22	24	Amer.	Grace Line	Chanaral, Chile.	New York, N. Y.	General	3,770
Edward Luckenbach.	23	23	Amer.	Luckenbach Line	Seattle, Wash.	Tampa, Fla.	Lumber, gen.	9,950
Istmo	22	24	Colom.	Colomb. de Cabotaje.	B'ventura, Col.	Cristobal, C. Z.	Ballast	
Lochmaddy	23	24	Brit.	Ministry of Supply.	Vancouver, B. C.	United Kingdom.	Wheat, lum.	8,180
Fortuna <sup>2</sup>	23	23	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	52
Perseus	23	23	Greek.	Chile Nit. Sales Corp.	Iquique, Chile.	Alexandria, Egypt	Nitrate	7,320
Taira <sup>2</sup>	23	24	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	50
Sona <sup>2</sup>	23	24	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	37
City of Baltimore.	23	25	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	6,379
Deroche <sup>1</sup>	23	24	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Sewaren, N. J.	Fuel oil	9,602
L. P. St. Clair <sup>1</sup>	22	25	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Cataret, N. J.	Pet. prod.	8,280
Pericles <sup>1 2</sup>	24	24	Nor.	Mexican Pet. Co.	Guaymas, Mex.	Tampico, Mex.	Ballast	
Moscha L. Goulandris.	23	24	Greek.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Venice, Italy	Nitrate	7,190
S-158 <sup>7</sup>	24		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Vermont	23	24	Amer.	Calif.-Eastern Line.	Longview, Wash.	Philadelphia, Pa.	Lumber, gen.	8,067
Michael L. Embriacos.	23	24	Greek.	Chile Nit. Sales Corp.	Antof'gasta, Chile	Azores <sup>18</sup>	Nitrate	7,560
Ida Bakke <sup>2</sup>	23	24	Nor.	Knut Knutsen Line.	N. West'm'er, B. B.	Liverpool, Eng.	(19)	7,550
Rodney Star	24	25	Brit.	Blue Star Line	N. West'm'er, B. C.	Liverpool, Eng.	General	8,730
Peebles <sup>2</sup>	24	24	Brit.	Canadian Transp. Co.	Vancouver, B. C.	United Kingdom.	Lumber, gen.	8,749
Wanderer <sup>5</sup>	24		Amer.	H. L. Brazael	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
John Bakke <sup>2</sup>	24	25	Nor.	Knut Knutsen Line.	Antof'gasta, Chile	Goth'burg, Swed.	General	7,187
Horace Luckenbach.	24	25	Amer.	Luckenbach Line.	Longview, Wash.	Boston, Mass.	General	9,074
Aconcagua <sup>2</sup>	25	25	Chile.	Cia. Sud Amer. de Vap	Talcahuano, Chile	New York, N. Y.	General	4,718
Colombia <sup>2</sup>	25	27	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	704
Kentuckian	25	25	Amer.	Amer.-Hawaiian Line.	Tacoma, Wash.	Boston, Mass.	General	5,687
Californian <sup>2</sup>	25	25	Amer.	Amer.-Hawaiian Line.	S. Francisco, Cal.	Boston, Mass.	General	9,250
West Ira	25	25	Amer.	McCormick S. S. Co.	Seattle, Wash.	Buenos Aires, Arg.	Lumber, gen.	7,286
Kirsten B.	25	31	Nor.	Grace Line	Cham'pico, Guat.	Cristobal, C. Z.	Coffee, gen.	655
Shabonee <sup>1 2</sup>	25	26	Pan.	Leif Hoegh & Co.	S. Francisco, Cal.	Caracao, N. W. I.	Benzine	13,017
Mayari	25	26	Pan.	United Fruit Co.	Golfoito, C. R.	Boston, Mass.	Ballast	
S-153 <sup>7</sup>	26		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
King City	25	27	Brit.	Ministry of Supply.	Vancouver, B. C.	United Kingdom.	Wheat, lum.	8,100
S-155 <sup>7</sup>	26		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Silverpalm <sup>2</sup>	25	27	Brit.	S. & J. Thompson	Singapore, St. Set	Mombasa, Africa.	General	7,541
Mussolini <sup>2</sup>	26	27	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	78
Port Halifax <sup>2</sup>	26	27	Brit.	M. A. N. Z. Line	Lytelton, N. Z.	United Kingdom.	Wool	4,328
S-154 <sup>7</sup>	26		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Anglo Canadian <sup>2</sup>	26	27	Brit.	Seaboard S. S. Co.	Vancouver, B. C.	Liverpool, Eng.	Wheat, lum.	9,000

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>7</sup> Submarine. <sup>11</sup> Mine planter. <sup>13</sup> Coffee, ivory nuts. <sup>14</sup> Plantains, lumber. <sup>15</sup> Balsa, ivory nuts. <sup>16</sup> Coffee, ivory nuts, general. <sup>17</sup> Towing barge No. 206. <sup>18</sup> For orders. <sup>19</sup> Fresh fruit, general.







# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.

*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXIII Balboa Heights, C. Z., March 15, 1940 No. 8

## Traffic Through the Panama Canal in February 1940

The total vessels of all kinds transiting the Panama Canal during the month of February 1940, and for the same month in the two preceding years, are shown in the following tabulation:

	February 1940			February	
	Atlantic to Pacific	Pacific to Atlantic	Total	1939	1938
Ocean-going commercial traffic .....	191	211	402	501	436
Small commercial vessels <sup>1</sup> .....	45	37	82	78	73
Noncommercial vessels:					
United States Government .....	34	24	58	28	34
California Training Ship .....		1	1		
U. S. Coast Guard .....		2	2		
For repairs .....					1
<b>Total</b> .....	<b>270</b>	<b>275</b>	<b>545</b>	<b>607</b>	<b>544</b>

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC <sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the twelve months ended February 29, 1940, as compared with the twelve months ended February 28, 1939:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39
March .....	553	506	2,586,580	2,311,526	2,664,068	2,268,548	\$2,252,156.28	\$2,015,585.34
April .....	496	487	2,278,326	2,258,836	2,472,504	2,279,235	1,999,851.16	1,961,456.58
May .....	506	465	2,341,894	2,150,228	2,538,949	2,309,171	2,053,502.16	1,886,825.66
June .....	479	445	2,268,679	2,064,793	2,437,087	2,122,389	1,977,431.94	1,801,291.78
July .....	485	429	2,254,398	1,933,816	2,317,697	2,025,660	1,974,380.72	1,694,205.00
August .....	490	468	2,247,009	2,177,699	2,385,039	2,171,674	1,964,776.48	1,890,050.74
September .....	457	438	2,119,418	2,005,241	2,445,700	1,998,464	1,855,574.22	1,741,895.46
October .....	458	494	2,068,665	2,276,194	2,386,314	2,359,673	1,815,210.24	1,977,706.76
November .....	489	505	2,178,556	2,302,333	2,472,503	2,223,830	1,915,075.38	1,984,014.72
December .....	489	509	2,116,424	2,336,011	2,361,176	2,374,395	1,840,096.98	2,031,017.04
January .....	466	525	2,056,568	2,380,916	2,337,943	2,393,360	1,795,241.88	2,062,454.16
February .....	402	501	1,782,977	2,282,318	2,123,574	2,206,963	1,567,416.06	1,996,735.66
<b>Total</b> .....	<b>5,770</b>	<b>5,772</b>	<b>26,299,494</b>	<b>26,479,911</b>	<b>28,942,554</b>	<b>26,733,362</b>	<b>23,010,713.50</b>	<b>23,043,238.90</b>

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons (Panama Canal measurement), which transited the Panama Canal during the month of February 1940. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific .....	45	1,579	\$1,182.06	149
Pacific to Atlantic .....	37	1,423	1,276.38	1,605
<b>Total</b> .....	<b>82</b>	<b>3,002</b>	<b>2,458.44</b>	<b>1,754</b>

Traffic by Nationality of Vessels<sup>3</sup> for February 1940

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British	68	376,044	\$330,818.22	398,714
Chilean	3	15,043	13,538.70	10,162
Colombian	2	904	732.24	690
Danish	16	55,089	49,580.10	58,165
Finnish	1	5,157	4,641.30	8,440
French	9	30,130	26,165.70	25,203
Greek	7	30,439	26,382.78	41,926
Honduran	7	11,654	9,936.00	4,595
Italian	4	23,992	21,592.80	23,150
Japanese	18	109,682	97,455.12	128,897
Latvian	1	3,190	2,871.00	5,000
Mexican	1	720	648.00	694
Netherlands	27	46,732	41,537.70	34,896
Norwegian	44	210,422	183,069.72	258,121
Panamanian	23	40,923	35,032.32	40,792
Peruvian	1	654	470.88	.....
Rumanian	1	3,489	3,140.10	6,181
Spanish	2	7,721	6,948.90	15,290
Swedish	6	34,143	29,939.58	40,502
United States	160	772,816	679,981.14	1,021,656
Yugoslav	1	4,033	2,903.76	.....
Total	402	1,782,977	1,567,416.06	2,123,574

<sup>3</sup> Tolls-paying vessels of 300 or more net tons, Panama Canal measurement.

## Traffic by Trade Routes for February 1940

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	38	192,671	193,201	59	284,047	447,703
East coast United States and:						
Canada	2	9,518	3,576	1	2,319	2,937
Central America/Mexico	5	8,827	9,576	6	11,355	7,713
South America	29	129,112	58,241	27	107,209	241,149
Hawaiian Islands	3	19,198	9,811	1	4,376	6,123
Australasia	3	14,382	21,378	.....	.....	.....
Philippine Islands	9	49,520	55,799	16	84,297	115,360
Far East	23	121,376	177,689	5	28,107	32,360
East coast Canada and:						
Australasia	4	25,118	23,711	1	4,523	5,097
Far East	1	6,379	8,196	.....	.....	.....
Central America/Mexico intercoastal	1	720	694	1	972	.....
East coast Central America/Mexico and Far East	1	6,826	11,964	1	6,826	.....
South America intercoastal	6	11,217	16,624	.....	.....	.....
East coast South America and:						
United States	1	4,424	4,046	.....	.....	.....
Far East	1	5,409	4,079	1	5,425	6,458
Cristobal and:						
United States	.....	.....	.....	1	2,407	4,594
Central America/Mexico	4	3,996	2,156	3	2,369	2,966
South America	13	12,291	9,226	19	18,823	14,855
West Indies and:						
United States	1	4,671	.....	3	12,972	26,224
Central America/Mexico	1	1,579	.....	.....	.....	.....
South America	4	24,704	33,805	1	6,016	5,246
Balboa	3	8,008	16,121	2	2,895	.....
Europe and:						
United States	7	38,695	9,814	4	15,143	20,058
Canada	13	67,860	12,552	26	134,850	213,977
South America	10	45,314	12,902	15	74,964	121,805
Australasia	5	36,053	13,905	9	69,798	69,731
Philippine Islands	1	6,711	8,743	.....	.....	.....
Africa and:						
United States	.....	.....	.....	1	4,233	5,440
Canada	.....	.....	.....	1	5,474	7,500
South America	.....	.....	.....	1	3,558	7,000
Asia and west coast Canada	.....	.....	.....	2	5,945	7,325
Egypt and South America	.....	.....	.....	2	8,089	14,575
Around the world	2	14,734	11,165	1	6,672	8,404
Vessels not engaged in commerce	.....	.....	.....	4	.....	.....
Total	191	869,313	728,974	211	913,664	1,394,600

<sup>4</sup> Naval vessel.

**Origin and Destination of Cargo by Major Areas, February 1940**

The following table summarizes the origin of cargo passing through the Canal in February 1940, and its destination by major geographical trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States.....	200,391	23,817	241,353	56,152	39,406	561,119
Other North America.....	2,477	20,072	14,571	47,717	12,549	97,386
Europe.....	11,235	9,342	8,754	10,296	5,894	45,521
Miscellaneous.....	5,153	27	3,253	15,370	1,145	24,948
Total.....	219,256	53,258	267,931	129,535	58,994	728,974

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	438,790	41,247	65,173	12,620	557,830
Canada.....	2,937	110	166,691	14,865	184,603
Other North America.....	13,129	3,451	1,321	9,143	17,901
South America.....	238,382	24,101	120,817	21,587	404,887
Australasia.....	3,640	1,495	69,693		74,828
Asia.....	151,660	1,958		933	154,551
Total.....	848,538	72,362	423,695	50,005	1,394,600

**Principal Commodities**

Commodities which aggregated 10,000 or more tons either during February 1940, or in February 1939, are listed below:

Commodity	February		Commodity	February	
	1940	1939		1940	1939
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Ammonium compounds.....	11,683	2,411	Canned goods.....	95,655	72,543
Automobiles and parts.....	11,528	25,955	Coffee.....	16,386	15,943
Canned goods.....	10,945	11,005	Cold storage (food products) <sup>5</sup> .....	46,766	26,556
Cement.....	9,705	16,628	Copra.....	9,143	12,539
Coal and coke.....	8,061	18,505	Flour.....	18,890	13,952
Cotton, raw.....	46,958	17,285	Fruit, dried.....	28,713	21,797
Iron and steel.....	141,805	110,769	Fruit, fresh <sup>6</sup> .....	6,434	32,435
Machinery.....	17,344	15,005	Lumber.....	353,152	238,735
Metals, various.....	30,324	34,480	Metals, various.....	39,443	42,940
Oils, mineral.....	110,204	91,793	Nitrates.....	99,379	145,594
Paper.....	26,135	22,021	Oats.....	7,747	10,630
Phosphates.....	350	11,861	Oils, mineral.....	127,212	178,481
Scrap metal.....	63,883	110,379	Oils, vegetable.....	15,379	16,358
Sulphur.....	31,844	6,892	Ores, various.....	189,010	155,206
Tinplate.....	22,252	5,902	Paper.....	12,687	13,117
Wood pulp.....	10,782	3,506	Rubber, raw.....	11,749	1,316
<i>Pacific to Atlantic</i>			Soy beans.....		33,141
Barley.....	8,036	27,790	Sugar.....	100,662	48,104
Bananas, edible, dry.....	16,179	22,412	Wheat.....	43,149	252,009
			Wood pulp.....	26,535	22,510
			Wool.....	22,683	7,117

<sup>5</sup> Except fresh fruit.    <sup>6</sup> Except bananas.

**Commodities in Detail**

The following statement lists all commodities passing through the Canal during the month of February 1940, as reported in the cargo declarations showing the movement by direction, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise, but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts ?		8	51	24
Agricultural implements	223		1,348	10
Alfalfa meal		355		355
Ammonium compounds	717		11,683	
Animal foods ?		29		157
Apparel, wearing (hats, shoes, clothing, etc.)	84		84	84
Asbestos	628	20	3,686	112
Asphalt and tar	98	9	3,526	601
Automobiles (and autotrucks)	1,785	13	7,364	19
Automobile parts and accessories	789	52	4,164	60
Bags and bagging, textile	338	33	672	61
Bamboo and products				581
Bananas				4,211
Barks, miscellaneous				1,364
Barley		70		8,036
Beans, edible, dry	20	7,799	31	16,179
Beer	54		208	
Blood and tankage				248
Bones and bone meal			550	
Books and printed matter		511		511
Borax	23	420	23	3,207
Bran and pollards	61	184	61	2,063
Bricks and tile	34		265	
Camphor, crude				39
Canned and preserved goods:				
Fish	69	9,487	627	14,511
Fruit	2,965	25,113	3,034	50,945
Meat		33	25	330
Milk	7		575	613
Soup	3,740	2,500	3,760	2,560
Vegetables	154	10,701	257	11,152
Miscellaneous and unclassified	1,588	12,701	2,667	15,544
Carbon black	2		1,050	281
Celite		50		50
Cement	313		9,705	
Chalk			547	
Charcoal	14		14	50
Chemicals ?	2,921	388	8,956	1,655
Clay, china and fire	115	196	4,721	381
Clay, filtering	44	31	44	31
Coal	652		7,512	
Cocoa and cacao beans	245	53	469	933
Coconuts and products ?	68	1,475	76	1,554
Coffee	79	374	3,099	16,386
Coke			549	
Cold storage and refrigerated products:				
Dairy products		52	218	20,714
Eggs			2	172
Fish	67		89	585
Lard			170	
Meats	241	104	272	24,866
Poultry			5	5
Vegetables		7	1	8
Other and unclassified	192	1	212	416
Confectionery	1,129		1,228	
Copra				8,648
Copra meal and cake				495
Corn	91		616	6
Cotton, raw	110	1,030	46,958	8,047
Cresote	24		29	
Drugs and medicines	2,317	114	2,837	134
Dyes			844	
Earthenware	12	72	86	72
Electrical apparatus and appliances	1,367	176	3,513	270
Enamel and metalware	979	12	1,472	293
Explosives	217	31	508	31
Extract, quebracho			1,334	
Fertilizers ?	492	250	492	1,090
Fish meal				1,611
Floor coverings	2,259	1,139	2,360	1,406
Flour	25	16,231	716	18,890
Fruit, dried	12	14,989	12	28,713
Fruit, fresh ?		915	535	6,434
Furniture and household goods	196	136	209	249
Gallnuts				85
General	8,574	5,034	36,807	9,954
Glass and glassware	1,434	20	4,202	698
Glue	15		34	7
Grains ?			377	149
Groceries	961	456	1,415	1,288

? Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Gums	18	121	20	612
Hair, all kinds	18	173	20	8,515
Hay				184
Hemp, unmanufactured	12	715	17	3,669
Honey		65		155
Hops				288
Horns and hoofs				3
Infusorial earth		25		1,596
Iron and steel, manufacturers of (structural steel, plates, bars, angles, pipe, etc.)	74,229	402	141,805	442
Ivory nuts				1,069
Jute, unmanufactured	68		225	210
Lard substitute	662		662	
Lime			728	
Liquors	2,588	760	3,895	763
Lumber (including manufactured mill products)	1,227	200,331	5,746	353,152
Machinery	2,255	439	17,344	591
Malt	39		73	255
Manufactured goods	12,604	427	18,978	738
Marble and granite			108	
Matches	178	173	206	173
Metals:				
Antimony		27	22	436
Copper	465	1,691	12,873	24,109
Gold and silver		13		102
Iron	778		3,468	
Lead	92	738	4,258	8,330
Tin	98	148	477	3,417
Zinc	57		3,339	5,850
Other and unclassified	593	5	5,887	616
Milk, powdered		262		775
Molasses and syrups	296	18	406	1,068
Nitrate	185		3,903	99,379
Nuts, edible (including meats)	23	872	23	1,082
Oats	49	303	58	7,747
Oils, mineral:				
Crude			13,216	49,396
Gas and fuel			29,145	62,744
Gasoline, benzine, and naphtha			11,424	6,125
Kerosene				174
Lubricating and greases			2,186	27,511
Other and unclassified	8,311	2,186	27,511	5,353
Oils, vegetable:	64		434	303
Coconut				10,749
Cottonseed			791	
Linseed	31		51	
Olive	22	6	63	6
Peanut	57		57	706
Teaseed				42
Wood	21	33	80	3,243
Other and unclassified	130	49	421	633
Oil, fish	144	1,338	199	1,402
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	90	67	2,097	485
Oilseed cake and meal	3,686		3,686	1,729
Ores:				
Antimony				1,348
Chrome				23,188
Copper		700		8,957
Iron			50	129,400
Lead				6,606
Magnesite		3,028		3,028
Manganese			203	6,516
Tin		585	121	8,070
Zinc	29		247	
Other and unclassified		48	680	1,897
Paints and varnishes	1,829	199	3,163	467
Paper and paper products	12,033	8,351	26,135	12,687
Peanuts	610		610	
Peas, dry				107
Peatmoss	9		199	
Phosphates	323		350	
Plaster			79	
Porcelainware	279	28	463	562
Potash		1,105	502	2,085
Rags and waste	342	507	1,287	890
Railroad material	3,799		4,449	
Rice	858	243	997	5,059
Rope and twine	264	31	311	80
Rosin	545		2,027	

<sup>7</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Rubber:				
Manufactured .....	1,279	280	2,297	310
Raw .....				11,749
Scrap .....			978	11
Salt .....	157	635	1,239	635
Sand .....			477	770
Scrap metal .....	200	212	63,883	317
Seeds (except oilseeds) .....	33	352	67	623
Shells, all kinds .....	291		318	362
Silk, raw .....		133		618
Skins and hides .....		1,061	198	2,530
Slate .....	337		337	
Soaps and products .....	1,538	75	1,684	219
Soda and sodium compounds:				
Soda ash .....	153		609	206
Soda, caustic .....	635		1,254	
Miscellaneous and unclassified .....	995	87	1,631	87
Soy beans .....	611		611	
Spices .....	136	900	143	1,831
Sugar .....	22	18,524	27	100,662
Sulphur .....	15,100	54	31,844	144
Talc .....				120
Tallow .....	15	165	15	2,281
Tea .....	59	30	120	669
Textiles <sup>8</sup> .....	3,409	98	5,987	2,336
Tinplate .....	5,649		22,252	56
Tobacco and manufactures .....	310	429	6,233	460
Toilet preparations .....	419	37	558	37
Turpentine .....	159		344	
Vegetables, dry <sup>7</sup> .....		51	40	1,357
Wall board .....	25		25	449
Wax, paraffin .....	173	101	213	265
Wheat .....		10,399		43,149
Wines .....	16	1,299	1,262	1,415
Wood pulp .....	86	23,072	10,782	26,535
Wool .....	30	641	527	22,683
Total, February 1940 .....	200,391	438,790	728,974	1,394,600
Total, February 1939 .....	164,927	330,618	695,977	1,510,986
Total, February 1938 .....	161,550	246,793	658,617	1,340,210

<sup>7</sup> Except as otherwise classified.<sup>8</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of February 1940.

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal .....	6	32,585	3,703	5	27,933	40,514
Central America/Mexico and Far East .....	1	6,826	11,964	1	6,826	
South America intercoastal .....	1	7,124	14,052			
Cristobal and United States .....				1	2,407	4,594
West Indies and:						
United States .....	1	4,671		2	10,807	22,224
South America .....	4	24,704	33,805	1	6,016	5,246
Bahoa .....	3	8,008	16,121	2	2,895	
Europe and:						
United States .....	1	4,488				
South America .....	4	24,524		4	24,524	49,396
Total .....	21	112,930	79,645	16	81,408	121,974

### Transit of Vessel of Rumanian Nationality

The Rumanian steamship *Siretul*, of 3,630 gross tons, transited the Canal on February 1940, bound from Chile to Europe with a cargo of nitrate. This is the first vessel flying the Rumanian flag to have transited the Canal.



### Comparison of Canal Traffic in February 1940, with February Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of February			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915	<sup>9</sup> 88	(000 omitted) 293	(000 omitted) 424	1915	<sup>10</sup> 100	(000 omitted) 334	(000 omitted) 466
1916				1916	60	184	258
1917	130	428	547	1917	145	447	588
1918	149	450	473	1918	165	506	627
1919	153	473	563	1919	162	472	576
1920	200	650	780	1920	199	659	781
1921	236	848	953	1921	232	879	966
1922	207	820	838	1922	222	880	907
1923	318	1,414	1,563	1923	325	1,434	1,631
1924	415	1,951	2,244	1924	429	2,016	2,249
1925	369	1,654	1,839	1925	382	1,761	1,996
1926	416	1,841	2,139	1926	424	1,909	2,169
1927	435	2,035	2,229	1927	441	2,020	2,311
1928	523	2,274	2,659	1928	521	2,269	2,468
1929	510	2,245	2,549	1929	524	2,299	2,554
1930	475	2,190	2,377	1930	502	2,310	2,502
1931	419	1,973	1,929	1931	447	2,140	2,089
1932	345	1,737	1,645	1932	364	1,820	1,650
1933	344	1,694	1,434	1933	347	1,758	1,513
1934	452	2,277	2,124	1934	436	2,201	2,059
1935	430	2,040	1,836	1935	432	2,143	2,109
1936	452	2,148	2,155	1936	449	2,160	2,209
1937	377	1,795	1,840	1937	467	2,239	2,507
1938	436	1,993	1,999	1938	460	2,163	2,282
1939	501	2,282	2,207	1939	492	2,264	2,322
1940	402	1,783	2,124	1940 (8 months)	465	2,103	2,354

<sup>9</sup> Canal opened August 15, 1914.

<sup>10</sup> Canal closed part of month due to slides.

#### Terminal Activities

Ships repaired during the month of February 1940, numbered 65. Vessels released from dry dock numbered 9. Fuel oil amounting to 395,378 barrels was delivered as bunkers to 163 ships. Bunker coal amounting to 7,545 tons was delivered to 23 commercial ships. Sales of commissary supplies to ships aggregated \$53,965.38.

#### Cargo Handled at Terminal Ports

		Cristobal	Balboa	Total
Local cargo arriving	tons	43,418	18,523	61,941
Local cargo shipped	tons	1,507	523	2,030
Cargo received for transshipment	tons	53,598	1,404	55,002
Cargo transhipped	tons	1,367	112	1,479
"Canal Zone for Orders" cargo:				
Number of receipts issued		10	5	15
Number of releases issued		48	18	66
Tons received		238	22	260
Tons withdrawn		94	9	103

#### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal	484	2,693,280	1,643,814	452	2,518,836	1,543,336
Vessels entering port but not transiting Canal	51	238,338	134,336	13	37,524	18,672
Vessels transiting Canal and handling passengers and cargo at terminal ports	108	579,380	344,163	86	565,636	337,105
<i>Ships clearing</i>						
All vessels, including those transiting Canal	479	2,689,787	1,639,171	446	2,486,351	1,519,754
Vessels clearing port but not transiting Canal	54	242,453	138,267	15	42,983	23,279
Vessels transiting Canal and handling passengers and cargo at terminal ports	108	598,585	351,816	86	561,308	334,330

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month of February 1940. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

Orotava, 375, 879	Musa, 2,148, 507	Margaret Johnson, 264,	Sambu, 0, 52	Harboe Jensen, 392,
Cottica, 5, 91	San Antonio, 156, 205	932	Panama, 4,307, 824	166
Yomachichi, 853, 0	Notos, 75, 835	Veragua, 465, 609	Siris, 129, 874	Arica, 21, 572
Delftdijk, 0, 694	Salvador, 818, 0	Chester Valley, 1,042,	Abangarez, 1,356, 65	Barge No. 213, 0, 20
Nero, 74, 109	Besholt, 92, 0	186	Jamsica, 183, 1,001	Bonneville, 0, 1
Imperial, 295, 152	Sado Maru, 358, 45	Madoera, 758, 0	Loreto, 0, 108	Paula, 0, 6
Colombia, 1,272, 814	San Pablo, 417, 853	Choluteca, 482, 0	Lossiebank, 0, 1	Peter Maersk, 11, 13
U.S.A.T. Meigs, 2,072,	Draco, 0, 473	Doros, 0, 873	Sixaxola, 940, 155	Lagarto, 11, 147
115	Douro, 542, 0	Santa Elena, 400, 10	Talamanca, 26, 989	Nemours, 393, 51
Costa Rica, 298, 32	Tachira, 271, 423	President Adams, 0, 1	Douro, 0, 155	Tamesis, 646, 0
Pericles, 2,867, 4,574	Chiriqui, 1,252, 231	Sona, 0, 25	Draco, 616, 296	Stuyvesant, 0, 933
Laguna, 988, 210	Vermar, 1,670, 0	Ancon, 5,880, 510	Hermes, 471, 2,526	Salvador, 0, 115
Jamaica, 619, 566	Ulua, 710, 29	Santa Lucia, 319, 28	Yamabiko Maru, 850,	Lionel, 0, 15
Maebi, 2, 0	Lochmonar, 325, 63	Amerika, 1, 40	73	Pereira, 273, 39
Saturnus, 1,718, 3,577	Douro, 379, 425	Quirigua, 424, 932	Motagua, 0, 1	Socrates, 2,251, 1895
Antarus, 4, 0	Benjamin Franklin,	Colombia, 1,101, 749	Frenlen, 0, 15	Colombia, 1,265, 595
Onomea, 474, 21	113, 981	Leme, 483, 594	Staghound, 1,116, 496	Montanan, 7, 0
U. S. A. T. Republic,	Rialto, 1,554, 1	Aconagua, 247, 107	Laurits Swenson, 22, 0	Governor, 277, 0
274, 45	City of Norfolk, 14, 13	U. S. A. T. Hunter	Olancho, 643, 63	Nora, 33, 0
Morviken, 0, 14	San Pablo, 413, 588	Liggett, 0, 18	Helder, 1, 0	Brandanger, 6, 368
Titania, 0, 2	Panama, 4,107, 473	Orotava, 280, 296	U. S. A. T. Chateau	Kirsten B, 1,293, 674
Nemours, 0, 35	Olancho, 554, 64	Manto, 603, 0	Thierry, 810, 68	Sta. Barbara, 223, 214
Ringar, 0, 16	Pereira, 521, 680	U. S. A. T. Republic,	U. S. A. T. Vega, 11, 0	City of San Francisco,
Somerville, 0, 20	Draco, 499, 1	6, 0	Musa, 1,834, 281	509, 0
Costa Rica, 17, 1,223	Cefalu, 685, 155	U. S. A. T. Chateau	Chipana, 2,262, 227	Tropic Star, 0, 11
Greta Maersk, 479, 55	La Paz, 876, 246	Thierry, 3, 0	Santa Elena, 318, 47	Real, 0, 5
Zacapa, 1,643, 579	Virgilio, 156, 281	Chiriqui, 209, 421	Quirigua, 547, 105	Velma Lykes, 1,324,
Sta. Barbara, 414, 7	Emma Bakke, 0, 1	Telde, 0, 285	Veragua, 296, 1,522	648
Colombia, 1,201, 615	Niel Maersk, 11, 2	West Ekonk, 203, 0	Colombia, 1,285, 842	U. S. A. T. Republic,
Nero, 603, 238	Real, 0, 27	Ville de Verdun, 1, 11	Sona, 0, 20	702, 16
Vinland, 31, 509	Marna, 0, 8	Husvik, 247, 62	U. S. A. T. Chateau	Cottica, 88, 1
Istmo, 0, 47	Hermes, 791, 846	Indianan, 127, 154	Thierry, 1, 0	Contessa, 384, 83
Ciss, 1,012, 1,256	Cristobal, 5,312, 321	Hulda Maersk, 875,	U. S. A. T. St. Mihiel,	Santa Clara, 402, 4
Tekoa, 41, 0	Santa Maria, 300, 64	531	5, 0	M. E. barge, 30, 0
Tenmar, 1,388, 0	Talamanca, 390, 763	City of Baltimore, 1, 0	U. S. A. T. Hunter	Marymar, 1,018, 0
Orduna, 0, 93	Santa Marta, 639, 318	Svealand, 0, 3	Liggett, 10, 0	San Diego, 353, 67
Contessa, 577, 189	U. S. A. T. Chateau	Fernbrook, 0, 3	Tolosa, 1,561, 95	Orotava, 409, 1,100
U. S. A. T. Liberty,	Thierry, 141, 84	Cefalu, 409, 140	City of Los Angeles,	Cottica, 125, 943
2,351, 149	Manto, 461, 149	Abraham Lincoln, 49,	558, 0	Kiyosumi Maru, 407, 0
Amor, 0, 2,773	Penrith Castle, 0, 24	500	Uruguay, 688, 642	Barge No. 206, 11, 0
Copiapo, 31, 18	Europa, 42, 12	Santa Inez, 137, 144	Tachira, 208, 805	Barge No. 208, 35, 0
Virginian, 7, 0				

#### BALBOA

Hamlin F. McCormick, 735, 0	Hermes, 0, 416	Salvador, 0, 2	City of Norfolk, 1, 0	Hulda Maersk, 259, 0
Kungshom, 1, 0	Elena, 24, 0	California Express,	Greta Maersk, 122, 0	Pericles, 0, 3
Pereira, 0, 35	Margaret Johnson, 0, 1	1,103, 2	Aghios Markos, 390,	Aconagua, 0, 4
West Nilus, 1, 0	U. S. A. T. Hunter	Peter Maersk, 0, 4	390	Awazian Maru, 1, 0
Titania, 0, 1	Liggett, 0, 24	City of San Francisco,	Rialto, 1, 0	Santa Inez, 1, 0
U.S.A.T. Meigs, 309, 1	Salvador, 1, 0	1, 0	Heijo Maru, 0, 5	Acajutla, 0, 1
Barge No. 2, 0, 4	Copiapo, 1, 0	U. S. A. T. Chateau	Santa Maria, 297, 52	Colombia, 1, 0
Akaroa, 1, 0	City of Los Angeles,	Thierry, 735, 37	Amigas Maru, 1, 0	Santa Barbara, 312, 4
President Adams, 0, 4	242, 1	Santa Elena, 177, 26	Colombia, 1, 0	Santa Clara, 13, 19
West Portal, 3,666, 0	City of Baltimore, 2, 2	Kirsten B, 0, 12	Santa Elena, 7, 28	British Columbia Ex-
U. S. A. T. Chateau	U. S. A. T. Liberty,	Santa Clara, 336, 27	Colombia, 0, 1	press, 801, 0
Thierry, 193, 96	4,003, 98	Yasukuni Maru, 353, 3	Madoera, 1, 0	U. S. A. T. Republic,
Washington Express,	Draco, 0, 3	Colombia, 1, 0	Santa Lucia, 268, 27	463, 29
1,001, 0	Uruguay, 1, 0	Imperial, 0, 6	Ciss, 0, 2	San Diego, 707, 0
Santa Barbara, 3, 1	Arica, 1,747, 0	U. S. A. T. Republic,	Amerika, 3, 0	Socrates, 0, 1
	Dagchild, 0, 4	1,095, 127	Oregon Express, 541, 4	

NOTE.—Figures shown represent short tons of 2,000 pounds.

### Passengers

During February 1940, ocean-ship passengers debarking at Cristobal numbered 2,614, embarking 1,777; at Balboa, 1,254 debarking and 889 embarking. Passengers passing through the Canal from the Atlantic to the Pacific 2,588, from the Pacific to the Atlantic 2,714. Commercial aircraft numbering 57 entered Cristobal with 384 passengers debarking; clearances were 54 with 385 passengers embarking. Balboa entries of aircraft numbered 48 with 151 passengers debarking; clearances were 48 with 158 passengers embarking.

Movements of Ocean Vessels Through the Panama Canal  
From midnight February 10, 1940, to midnight March 10, 1940

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Colombia <sup>2</sup>	9	11	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	944
Manto <sup>2</sup>	9	11	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	126
Elmdene	10	11	Brit.	Seaboard Shipping Co	Gilbraltar	Vancouver, B. C.	Ballast	
Vinland <sup>2</sup>	10	11	Nor.	Knutsen Line	Kristians'd, Nor.	Valparaiso, Chile.	General.	3,841
Penrith Castle <sup>2</sup>	10	11	Brit.	Barber Line	New York, N. Y.	Moji, Japan.	(13)	7,286
Katrina Luckenbach.	10	11	Amer.	Luckenbach Line	New Orleans, La.	Tacoma, Wash.	General.	8,546
Elena <sup>1</sup>	11		Neth.	Cur. Scheepvart My.	Curacao, N. W. I.	Balboa, C. Z.	(14)	1,921
Virginian.	11	11	Amer.	Amer.-Hawaian Line.	Boston, Mass.	Seattle, Wash.	General.	4,385
Point San Pablo.	11	11	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	Seattle, Wash.	General.	3,228
Europa <sup>2</sup>	11	11	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General.	297
Silvaplana <sup>2</sup>	11	11	Nor.	Continental Grain Co.	New York, N. Y.	Vladivos'k, Rus.	General.	8,722
Hamakua	11	12	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	S. Francisco, Cal.	Pipe fittings.	6,962
Ipswich	11	12	Amer.	Mitsui & Co.	Norfolk, Va.	Kawasaki, Japan.	Sul. of am.	7,538
Deroche <sup>1</sup>	11	12	Amer.	Union Oil Co. of Calif.	PerthAmboy, N.J.	Los Angeles, Cal.	Ballast	
Fortuna <sup>3</sup>	10		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Julia Luckenbach.	11	12	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Gen., steel	5,223
Red Jacket	11	12	Amer.	Waterman S. S. Co.	New Orleans, La.	Osaka, Japan.	Cotton, lead.	8,144
Waipawa <sup>2</sup>	12	12	Brit.	Shaw, Savill & Albion	London, England	New Zealand	Ballast	
Margaret Johnson.	11	12	Swed.	Johnson Line	Malmö, Sweden.	Seattle, Wash.	Gen., cement	4,275
Sona <sup>2</sup>	10		Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	General.	24
Porto Bello <sup>3</sup>	12	12	Pan	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.	3
J-52 <sup>6</sup>	12		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Rita <sup>1</sup>	12		Neth.	Cur. Scheepvart My.	Curacao, N. W. I.	Balboa, C. Z.	Fuel oil.	3,861
Kenmar	12	13	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	8,155
Pericles <sup>2</sup>	4	13	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	W. coast S. A.	General.	3,458
Svealand <sup>2</sup>	13	14	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz G'de, Chile	Ballast	
Hokuroku Maru <sup>3</sup>	14	14	Jap.	Osaka Syosen Kaisya.	Boston, Mass.	Kobe, Japan	Gasoline, gen	7,888
Columbia Star <sup>2</sup>	13	14	Brit.	Blue Star Line	London, England	Vancouver, B. C.	Ballast	
Ciss	10	14	Nor.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General.	1,182
Birchbank <sup>2</sup>	14	15	Brit.	Bank Line, Ltd.	Tampico, Mex.	Adelaide, Aust'lia	General.	7,790
Pennsylvanian	14	15	Amer.	Amer.-Hawaian Line.	Boston, Mass.	Portland, Oreg.	General.	4,006
Aobasan Maru <sup>2</sup>	14	15	Jap.	Mitsui Bussan Kaisya	Philadelphia, Pa.	Osaka, Japan.	Steel, gen.	8,126
Miraflores <sup>5</sup>	12		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Fortuna <sup>3</sup>	13		Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	13		Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Taira <sup>2</sup>	13		Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu <sup>2</sup>	13		Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Santa Lucia.	14	15	Amer.	Grace Line	New York, N. Y.	SanAntonio, Chile	General.	2,860
Port Fremantle <sup>2</sup>	15	16	Brit.	Port Line, Ltd.	New York, N. Y.	Fremantle, Aust.	General.	7,684
San Antonio	14	16	Fr	French Line	Havre, France	Vancouver, B. C.	General.	4,087
Trojan Star	15	16	Brit.	Blue Star Line	London, England	New Zealand	Ballast	
Queen Anne <sup>2</sup>	15	16	Brit.	Thos. Dunlop & Sons.	Liverpool, Eng.	Vancouver, B. C.	Ballast	
L-53 <sup>5</sup>	1		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Fernbrook <sup>2</sup>	15	17	Nor.	Texas Sulphur Co.	Galveston, Tex.	New Zealand.	Sulphur	7,531
Kenyo Maru <sup>1</sup>	16	16	Jap.	Yamashita S. S. Co.	Tuxpan, Mexico.	Dairen, China.	Crude oil.	11,964
Aconagua <sup>2</sup>	16	16	Chile.	Sud Amer. de Vapores	New York, N. Y.	Valparaiso, Chile.	General.	2,667
Col. Riche <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Reinholt <sup>2</sup>	16	17	Nor.	De La Rama S. S. Co.	Philadelphia, Pa.	Manila, P. I.	General.	5,488
Notos <sup>2</sup>	14	17	Neth.	Royal Neth. S. S. Co.	Cartagena, Col.	Guayaquil, Ecu.	General.	840
City of Baltimore.	17	17	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.	3,991
Naruto Maru <sup>2</sup>	16	17	Jap.	Nippon Yusen Kaisya	Boston, Mass.	Kobe, Japan	(15)	7,349
Krossfonn <sup>1</sup>	16	17	Nor.	Peechelbron.	Douges, France.	Lobitos, Peru.	Ballast	
Annniston City	17	18	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Penang, Str. Set.	Steel, gen.	7,853
Colombia <sup>2</sup>	15	17	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	911
Absaroka	17	17	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General.	6,500
Asakanan Maru <sup>2</sup>	17	17	Jap.	Mitsui & Co.	New York, N. Y.	Moji, Japan.	General.	8,167
Draco <sup>2</sup>	5	18	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	312
Lossiebank <sup>2</sup>	17	18	Brit.	Andrew Weir & Co.	Baltimore, Md.	Hongkong, China	General.	3,605
L-41 <sup>5</sup>	16		Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow. barge.	
Colton <sup>2</sup>	16		Pan	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Mussolini <sup>2</sup>	16		Pan	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Col. Riche <sup>5</sup>	16		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Liberty <sup>5</sup>	13		Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	General.	93
Tuscaloosa <sup>12</sup>	18	18	Amer.	U. S. Navy	Pensacola, Fla.	Balboa, C. Z.	Ballast	
Jouett <sup>9</sup>	18	18	Amer.	U. S. Navy	Pensacola, Fla.	Balboa, C. Z.	Ballast	
Lang <sup>9</sup>	18	18	Amer.	U. S. Navy	Pensacola, Fla.	Balboa, C. Z.	Ballast	
San Pablo	16	18	Pan	United Fruit Co	New Orleans, La.	Quepos, C. R.	General.	1,901
Telde	16	18	Hond.	United Fruit Co	Philadelphia, Pa.	Pto. Arm'les, R.P.	General.	160
Samuel Bakke <sup>2</sup>	17	18	Nor	Knut Knutsen, O.A.S.	Goth'burg, Swed.	Los Angeles, Cal.	Ballast	
Montanan	17	18	Amer.	Amer.-Hawaian Line.	Boston, Mass.	Seattle, Wash.	General.	2,914
Peter Maersk <sup>2</sup>	18	19	Dan.	Maersk Line	Boston, Mass.	Cebu, P. I.	General.	7,088
Kiyokawa Maru <sup>2</sup>	18	19	Jap.	Kawasaki K. Kaisya.	New York, N. Y.	Osaka, Japan.	Iron, cotton.	8,324

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Transport. <sup>6</sup> Destroyer. <sup>7</sup> Cruiser. <sup>8</sup> Scrap iron, general. <sup>9</sup> Gasoline, lubricating oil. <sup>10</sup> General, steel, lubricating oil.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Fortuna 3	17	18	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona 2	17	18	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Dagbild 1 2	18	19	Nor	Standard Oil of N. J.	Aruba, N. W. I.	Iquique, Chile	Fuel oil	13,365
San Francisco 12	19	21	Amer.	U. S. Navy	Guantanamo, Cuba	Balboa, C. Z.	Ballast	
W. S. Miller 1	18	19	Amer.	Standard Oil of Calif.	New York, N. Y.	Estero Bay, Calif.	Ballast	
Storass 1 2	18	19	Nor	Anglo-Saxon Pet. Co.	Antwerp, Belgium	Cabo Blanco, Peru	Ballast	
William L. Thompson	18	20	Amer.	Thompson Salmon Co.	Baltimore, Md.	Portland, Oreg.	(15)	5,907
Steele	18	20	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Venkoh	18	20	Nor	T. B. Torgersen.	Texas City, Tex.	Yawata, Japan	Scrap iron	7,550
Kaipaki 2	18	20	Brit	Trinder Anderson Co.	St. John, N. B.	Adelaide, Aust.	General	6,146
Grieffo	19	20	Brit	Canadian Transp. Co.	Antigua, B. W. I.	Stal, Rosalia, Mex.	Ballast	
Maria Cristina 3	19	20	Pan	A. Tagaropulos.	Cristobal, C. Z.	Real, R. P.	General	3
Col. Riche 5	17	18	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Ville de Verdun	18	20	Fr.	Messageries Marit'es.	Marseilles, Fr.	Noumea, N. Cal.	General	2,350
West Cusseta	19	20	Amer.	U. S. Maritime Com.	Baltimore, Md.	Seattle, Wash.	Ballast	
Olopana	20	20	Amer.	Isthmian S. S. Lines.	New York, N. Y.	Tacoma, Wash.	(16)	7,638
Indianan	19	20	Amer.	Chile Exploration Co.	New York, N. Y.	Valparaiso, Chile.	General	5,365
Shekatika	20	20	Brit	Chr. Salvesen & Co.	Glasgow, Scot.	Vancouver, B. C.	Ballast	
Capt. Condon 6			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Lidvard 2	20	21	Nor	States Marine Corp.	Hopewell, Va.	James Is., B. C.	Nit. of soda	3,576
District of Columbia 1	21	21	Amer.	Standard Oil of Calif.	Bayonne, N. J.	S. Francisco, Cal.	(17)	3,703
Lazarto 2	20	21	Brit	Pacific Steam Nav. Co	Liverpool, Eng	An'fagasta, Chile	General	4,340
Abraham Lincoln 2	20	21	Nor	Fred Olsen & Co.	Oslo, Norway	Seattle, Wash.	Cement, gen.	3,107
Pirre 2	20	21	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu 2	20	21	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tuira 2	20	21	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real 2	20	21	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	25
Sea Horse 5			Amer.	N. E. Parker.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Salvador	15	22	Brit	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	144
President Van Buren.	22	22	Amer.	Amer.-Swedish Lines	Boston, Mass.	S. Francisco, Cal.	General	5,961
Horace Luckenbach.	22	22	Amer.	Luckenbach Line	Philadelphia, Pa	Seattle, Wash.	General	5,242
Nortun	22	22	Pan	States Marine Corp.	Savannah, Ga.	Shanghai, China.	Cotton	5,560
Arica	19	24	Fr.	French Line	Havre, France.	Valparaiso, Chile.	General	2,993
Pereira	22	22	Pan	Grace Line	Cartagena, Col.	B'ventura, Col.	Gasoline, gen	271
Kano Maru 2	22	23	Jap	Kokusai Kisen Kaisya	New York, N. Y.	Kobe, Japan	(18)	8,171
San Cristobal II 6	22	22	Amer.	J. Wesley Tate.	Key West, Fla.	B'ventura, Col.	Ballast	
Anglo African	23	23	Brit	Ministry of Shipping	Cardiff, Wales.	Vancouver, B. C.	Ballast	
City of Alma	23	23	Amer.	States Marine Corp.	Mobile, Ala.	Comax, B. C.	Ballast	
Charleston 13	21		Amer.	U. S. Navy	Laguayra, Venez.	Balboa, C. Z.	Ballast	
M-298 5			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
M-299 5			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Overton 9	1	-27	24	Amer.	U. S. Navy	Cristobal, C. Z.	Ballast	
Steel Seafarer 2	-24	24	Amer.	Isthmian S. S. Lines.	Brownsville, Tex.	Seattle, Wash.	(19)	8,573
Colombia 2	22	24	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	620
Mussolini 2	23	24	Pan	H. Obarrio.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Cuango 2	24	24	Pan	E. Puert	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Colon 2	23	24	Pan	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Col. Riche 3	20		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Brandanger 2	24	25	Nor	General S. S. Corp.	Buenos Aires, Arg.	Seattle, Wash.	Gen., coffee	4,046
Nora 2	24	25	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	Steel, gen.	3,786
Douro 2	16	25	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	120
Minnesota	24	25	Amer.	Amer.-Hawaiian Line.	Bridgeport, Conn.	Portland, Oreg.	General	3,806
Columbian	25	25	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	7,333
Draco 2	24	25	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	240
Edward Luckenbach.	25	25	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	Lumber, gen.	8,719
Santa Barbara 2	25	26	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile.	General	2,138
Kalani	25	26	Amer.	Matson Nav. Co.	New York, N. Y.	Honolulu, T. H.	General	5,910
Javanese Prince 2	25	26	Brit.	Prince Line, Ltd.	Baltimore, Md.	Moji, Japan.	Scrap, gen.	6,727
Sambu 2	24		Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tuira 2	24		Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Susanna 14			Amer.	R. C. McKeown	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Almirante 3	25		Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Alabaman	26	26	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	3,694
Spearfish 7	24	26	Amer.	U. S. Navy	Key West, Fla.	San Diego, Calif.	Ballast	
Sculpin 7	24	26	Amer.	U. S. Navy	Key West, Fla.	San Diego, Calif.	Ballast	
Antinous	26	26	Amer.	Waterman S. S. Corp.	Panama City, Fla.	Shanghai, China.	(18)	8,173
Laurits Swenson 2	26	27	Nor	Fred Olsen & Co.	Oslo, Norway	Vancouver, B. C.	General	1,149
Nemours 2	20	26	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	47
Timber Rush	26	27	Amer.	Shepard S. S. Co.	Boston, Mass.	Seattle, Wash.	General	5,310
Ebba 2	26		Pan	H. Obarrio.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Porto Bello 3	26	26	Pan	A. Tagaropulos.	Cristobal, C. Z.	Real, R. P.	General	3
Republic 5	26	28	Amer.	U. S. Navy	New York, N. Y.	Honolulu, T. H.	General	1,912

1 Tanker, 2 Motor ship, 3 Motor schooner, 5 Launch, 6 Yacht, 7 Submarine, 8 Transport, 9 Destroyer,

12 Cruiser, 13 Gunboat, 14 Sailboat, 15 Tinplate, paper, 16 General, structural steel, 17 Lubricating oil, grease,

18 Cotton, scrap iron, 19 Steel products, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Pan Norway <sup>1</sup>	26	28	Nor	Standard Oil of N. J.	Aruba, N. W. I.	Talara, Peru	Ballast	
Staghound	26	28	Amer.	Grace Line	New York, N. Y.	Taleahuano, Chile	General.	8, 104
Real <sup>2</sup>	20	20	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
L-53 <sup>5</sup>	20	20	Amer.	U. S. Army	Brooklyn, N. Y.	Balboa, C. Z.	General.	355
Chateau Thierry <sup>8</sup>	27	27	Amer.	U. S. Army	Brooklyn, N. Y.	Balboa, C. Z.	General.	670
Kirsten B.	24	28	Nor	Grace Line	Cristobal, C. Z.	Champico, Guat.	Ballast	
Erie <sup>13</sup>	24	28	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Mayari	27	28	Pan.	United Fruit Co	Banes, Cuba	Golfoito, C. R.	General.	2, 914
Santore	27	29	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr de Chile	Ballast	
Hegira	27	29	Amer.	Weyerhaeuser S. S. Co	New York, N. Y.	Seattle, Wash.	General.	8, 719
Socrates <sup>2</sup>	22	29	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	W. coast S. Am.	General.	1, 300
Andrea F. Luckenbach.	28	29	Amer.	Luckenbach Line	Providence, R. I.	Seattle, Wash.	General.	7, 442
Fortuna <sup>3</sup>	27		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	27		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Cuango <sup>2</sup>	27		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pirre <sup>2</sup>	27		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Woodcock <sup>10</sup>			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Santa Elena	28	29	Amer.	Grace Line	New York, N. Y.	SanAntonio, Chile	General.	3, 190
Davis <sup>9</sup>	29	2	Amer.	U. S. Navy	Galveston, Tex.	San Diego, Calif.	Ballast	
Benham <sup>9</sup>	29	2	Amer.	U. S. Navy	U. S. Atl. port.	Balboa, C. Z.	Ballast	
San Diego	28	1	Fr.	French Line	Antwerp, Belgium	Vancouver, B. C.	General.	2, 566
Marymar	28	29	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen	8, 350
McCormick <sup>3</sup>	3		Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Nicolaos D. L.	28	29	Greek.	Chile Nit. Sales Corp.	Barry, England	Chile	Ballast	
Eliet <sup>9</sup>	29	2	Amer.	U. S. Navy	U. S. Atl. port.	Balboa, C. Z.	Ballast	
Nordvard <sup>2</sup>	28	29	Nor	Lauritz Kloster	Houston, Tex.	Kobe, Japan	Scrap iron.	7, 068
Olovsborg	28	1	Finn	Mitsubisiy Shoji K.	New York, N. Y.	Kobe, Japan	Scrap iron.	8, 440
Chipana	28	1	Amer.	Grace Line	New York, N. Y.	Callao, Peru.	Gen. coke	1, 775
Firmore	29	1	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr de Chile	Ballast	
Sona <sup>2</sup>	27	29	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R. P.	General.	15
Swiftpool	29	1	Brit.	Sir R. Ropner & Co.	Barry, England.	Vancouver, B. C.	Ballast	
Nonsuco <sup>2</sup>	29	1	Amer.	M. V. Nonsuco	New York, N. Y.	Manila, P. I.	General.	6, 599
Al Aleto <sup>1</sup>	29	1	Brit.	C. T. Bowring & Co.	Glasgow, Scot.	W. coast S. Am.	Ballast	
Steelmaker	29	1	Amer.	Isthmian S. S. Lines.	Portland, Ore.	Vancouver, B. C.	Steel, gen	6, 320
Wildwood	29	1	Amer.	Amer.-Foreign Co.	New York, N. Y.	Vladivostok, Rus.	General.	6, 950
Trondheim <sup>1</sup>	1	2	Nor	Standard Oil of N. Y.	Goth'burg, Swed.	Talara, Peru	Ballast	
Col. Riche <sup>5</sup>	28		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Orotava	29	2	Hond.	United Fruit Co	New Orleans, La.	La Union, Salv.	Gen., rails.	1, 971
Director II <sup>6</sup>	26		Amer.	J. S. Fahnestock	New York, N. Y.	Tahiti, S. Sea Is	Ballast	
Asmara <sup>14</sup>	28	2	Ital.	Royal Italian Navy	Taranto, Italy.	SanAntonio, Chile	Ballast	
Anatina	1	2	Nor	Isbrandtzen Moller.	New Orleans, La.	Taku Bar, China.	(15)	8, 584
Diomed <sup>12</sup>	2	2	Brit.	British Government.	High seas	Balboa, C. Z.	Ballast	
Perth <sup>12</sup>	2	3	Brit.	British Government.	High seas	Balboa, C. Z.	Ballast	
City of Elwood	1	3	Amer.	Roosevelt S. S. Co.	Philadelphia, Pa.	Adelaide, Aust.	General.	5, 052
Orbita	1	3	Brit.	Pacific Steam Nav. Co	Liverpool, Eng.	Taleahuano, Chile	General.	4, 659
West Camargo	2	3	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Vancouver, B. C.	General.	4, 105
Colombia <sup>2</sup>	29	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	1, 058
Paisano <sup>3</sup>	21	2	Hond.	Leh MeNab	Belize, Brit. Hond.	Balboa, C. Z.	Ballast	
Abbecker <sup>2</sup>	2	3	Neth.	Holland-East Asia Co.	Antwerp, Belgium	Manila, P. I.	(16)	8, 788
Oftul	2	3	Rum	Chile Nit. Sales Corp.	Genoa, Italy	Arica, Chile	Ballast	
Marna	2	4	Dan.	J. Lauritzen	New York, N. Y.	Taleahuano, Chile	General.	1, 320
Margrethe Bakke <sup>2</sup>	2	5	Nor	Knutsen Line	Goth'burg, Swed.	Valparaiso, Chile.	General.	3, 756
Anna N. Goul-landris.	2	3	Greek	Chile Nit. Sales Corp.	Taragonna, Spain	Chile	Ballast	
Muncaster Castle <sup>2</sup>	2	4	Brit.	Barber S. S. Line	New York, N. Y.	Yokohama, Japan	(17)	6, 562
Stanley A. Griffiths	2	3	Amer.	Canadian-Gulf Line	Pt. Sulphur, La.	Los Angeles, Cal.	Sulphur	4, 600
Flomar	2	4	Amer.	Calmar Line	Baltimore, Md.	Tacoma, Wash.	Steel, gen	7, 450
Manto <sup>2</sup>	16	4	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General.	334
Californian <sup>2</sup>	3	4	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.	4, 808
Sea Thrush	3	4	Amer.	Shepard S. S. Co.	Baltimore, Md.	Seattle, Wash.	(18)	4, 923
Cuango <sup>2</sup>	2		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tuira <sup>2</sup>	2		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Taranaki <sup>2</sup>	29	4	Brit.	Shaw, Savill & Albion	Liverpool, Eng.	Duending, N. Z.	General.	6, 787
San Rafael	2	4	Amer.	Quaker Line	New York, N. Y.	Portland, Ore.	General.	6, 442
Ingerette	3	4	Nor	N. Atl. Gulf Corp.	Charleston, S. C.	Golfoito, C. R.	Cresosoted tie	3, 205
Dona Aniceta <sup>2</sup>	3	4	Phil.	De La Rama S. S. Co.	New York, N. Y.	Manila, P. I.	General.	4, 774
Brittany <sup>2</sup>	3	4	Brit.	Royal Mail Lines	Liverpool, Eng.	Vancouver, B. C.	General.	3, 430
Telde	3	4	Hond.	United Fruit Co	New Orleans, La.	Pto. Arm'les, R. P.	Ballast	
Grayburn	3	4	Brit.	Ministry of Supplies.	London, England	Vancouver, B. C.	General.	
Memphis City.	3	4	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Singapore, St. Set.	Steel, gen	8, 426
Pereira	1	4	Pan.	Grace Line	Cristobal, C. Z.	B'ventura, Col.	Ballast	
Skjelbred <sup>2</sup>	4	5	Nor	Fern Line	Boston, Mass.	Yokohama, Japan	Scrap iron.	8, 011
Kohala	4	5	Amer.	Matson Nav. Co.	New York, N. Y.	Hilo, T. H.	Steel, gen	4, 576
West Kyska	4	5	Amer.	Waterman S. S. Corp.	Baltimore, Md.	Tacoma, Wash.	General.	7, 028
Idle Hour <sup>6</sup>	20		Amer.	Dwight Long	Seattle, Wash.	Seattle, Wash.	Ballast	
Porto Bello <sup>3</sup>	4	4	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.	5
American	4	5	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Tacoma, Wash.	(19)	5, 830

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>8</sup> Transport. <sup>9</sup> Destroyer. <sup>10</sup> Mine sweeper. <sup>12</sup> Cruiser. <sup>13</sup> Gunboat. <sup>14</sup> Auxiliary. <sup>15</sup> Gasoline and kerosene. <sup>16</sup> Fertilizer and milk. <sup>17</sup> Scrap iron, general. <sup>18</sup> Liquor, steel, general. <sup>19</sup> Steel, guns, general, etc.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Tisnaren <sup>2</sup>	4	5	Swed.	Transatlantic S. S. Co.	London, England	Los Angeles, Cal.	Ballast	
Tamaroa	4	5	Brit.	Shaw, Savill & Albion	London, England	Auckland, N. Z.	General	2, 870
Balla <sup>2</sup>	4	5	Nor.	Smith & Johnson	New York, N. Y.	Yavaros, Mexico.	Ballast	
Istmo	5	6	Colom.	Colombiana Cabotaje.	Barranquilla, Col.	B'ventura, Col.	Salt, gen.	642
Pennsylvania Sun, <sup>1 2</sup>	5	5	Amer.	Sun Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
La Placencia <sup>1</sup>	5	6	Amer.	Union Oil of Calif.	Cartaret, N. J.	Los Angeles, Cal.	Ballast	
L-53 <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Killerig <sup>4</sup>	6	6	Pan.	Merritt Chap. Lindsay	Kingston, Jam.	Mexico	Ballast	
Odyssey <sup>13</sup>	18	7	Amer.	Barbara Whitney Hen.	Miami, Fla.	Galapagos Is.	Ballast	
Braconda <sup>1 2</sup>	5	8	Nor.	Ludv. G. Braashen.	Aruba, N. W. I.	Los Angeles, Cal.	Oil	15, 643
Pheinius	6	6	Brit.	Alfred Holt & Co.	New York, N. Y.	Hongkong, China	General	4, 040
Beaconlight <sup>1</sup>	6	7	Pan.	Standard Oil of N. J.	Baltimore, Md.	Talara, Peru	Ballast	
Wawa	6	6	Hond.	Standard Fruit Co.	La Ceiba, Hond.	Corinto, Nic.	Steel rails	1, 600
Acajutla	1	6	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	608
Chilore	6	7	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Copiapo <sup>2</sup>	6	7	Chile	Sud Amer. de Vapor.	New York, N. Y.	Valparaiso, Chile.	General	2, 586
Fortuna <sup>2</sup>	5	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pirre <sup>2</sup>	5	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	5	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
President Harrison	7	7	Amer.	Amer.-President Lines	Boston, Mass.	Round the world.	General	6, 221
Stamatios G. Embiricos.	6	7	Greek.	Chile Nit. Sales Corp.	Santander, Spain.	Chile	Ballast	
Dorothy Luckenbach.	6	7	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	4, 683
City of Omaha	7	7	Amer.	Lykes Bros. S. S. Co.	Houston, Tex.	Shanghai, China.	(15)	6, 994
Mexican	7	7	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	4, 550
Crown City <sup>2</sup>	7	7	Amer.	Puget Sd. Orient Line	Philadelphia, Pa.	Seattle, Wash.	Ballast	
City of Rayville <sup>2</sup>	7	7	Amer.	U. S. Lines	New York, N. Y.	Hongkong, China	General	7, 249
Augustus <sup>2</sup>	6	7	Ital.	Italia A. N.	Genoa, Italy	Valparaiso, Chile.	General	7, 718
Santa Ana	6	8	Amer.	Grace Line	Baltimore, Md.	San Antonio, Chile	General	7, 646
City of Yokohama	7	9	Brit.	Ellerman Lines, Ltd.	St. John, N. B.	Hongkong, China	(16)	8, 019
J-26 <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
San Francisco <sup>2</sup>	3	8	Swed.	Johnson Line	Goth'burg, Swed.	San Antonio, Chile	(17)	4, 846
Anna D. <sup>2</sup>	4	8	Brit.	Canadian Fishing Co.	Lünenburg, N. S.	Vancouver, B. C.	Ballast	
Comnisseeur <sup>2</sup>	4	8	Brit.	Canadian Fishing Co.	Yarmouth, N. S.	Vancouver, B. C.	Ballast	
West Harshaw	8	9	Amer.	Chile Nit. Sales Corp.	Charleston, S. C.	Chile	Ballast	
Gertrude Maersk <sup>2</sup>	8	8	Dan.	Maersk Line	Boston, Mass.	Cebu, P. I.	General	6, 717
Amerikaland <sup>2</sup>	8	9	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Yamakaze Maru <sup>2</sup>	8	8	Jap.	Yamashita Kisen K.	Buenos Aires, Arg.	Kobe, Japan	(18)	4, 937
Almirante <sup>2</sup>	8	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
City of Los Angeles.	9	9	Amer.	Panama-Pacific Line.	New York, N. Y.	Penang, St. Set.	General	6, 172
Jouett <sup>9</sup>	9	11	Amer.	U. S. Navy	High seas	Balboa, C. Z.	Ballast	
Falcon <sup>14</sup>	17		Amer.	Nich Dragich	Charleston, S. C.	Los Angeles, Cal.	Automobile	1
Rotoura	9	10	Brit.	N. Z. Shipping Co.	London, England	New Zealand	Ballast	
Herman Frasch	9	10	Amer.	Union Sulphur Co.	Glaveston, Tex.	Tacoma, Wash.	Sulphur	6, 526
City of Brisbane.	9	10	Brit.	Amer. & Australian.	New York, N. Y.	Adelaide, Aust.	Gen., mach.	6, 566
Ciss.	6	10	Nor.	Grace Line	Cristobal, C. Z.	Salavery, Peru.	Ballast	
Tiberius.	5	10	Neth.	Royal Neth. S. S. Co.	Amsterdam, Neth.	Guayaquil, Ecu.	General	1, 875
Mussolini <sup>2</sup>	8		Pan.	H. Obarrio.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Col. Riche <sup>5</sup>	7		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow barge.	
Pennsylvania	10	10	Amer.	Weyerhaeuser S. S. Co.	Newark, N. J.	Everett, Wash.	(19)	6, 888
Georgian	10	10	Amer.	Amer.-Hawaiian Line.	Bridgeport, Conn.	Seattle, Wash.	General	4, 332
H. D. Collier <sup>1</sup>	10	10	Amer.	Standard Oil of Calif.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	
San Mateo.	10	10	Amer.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R. P.	Ballast	
King Arthur <sup>2</sup>	10	10	Brit.	Canadian Transp. Co.	London, England	Vancouver, B. C.	Salt	3, 500
F. J. Luckenbach.	10	11	Amer.	Luckenbach Line	Providence, R. I.	Seattle, Wash.	General	4, 435
Tanja	9	10	Dan.	Wessel, Duval & Co.	New York, N. Y.	Valparaiso, Chile.	General	1, 660
Colombia <sup>2</sup>	7	10	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	1, 150
Pirre <sup>2</sup>	9		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Taura <sup>2</sup>	9		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Cuango <sup>2</sup>	10		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Porto Bello <sup>3</sup>	10	10	Pan.	A. Tagaropulos.	Cristobal, C. Z.	Real, R. P.	General	3

## PACIFIC TO ATLANTIC

Tekoa	10	13	Brit.	N. Z. Shipping Co.	Dunedin, N. Z.	United Kingdom.	Frozen, gen.	7, 715
Susan V. Luckenbach.	10	11	Amer.	Luckenbach Line	Everett, Wash.	New York, N. Y.	Lumber, gen.	7, 306
Benvenue	11	12	Brit.	George R. Scales, Ltd.	Lyttelton, N. Z.	United Kingdom.	Wool, gen.	3, 667
Bonneville <sup>2</sup>	11	12	Nor.	A. F. Klavness & Co.	Santa Cruz, P. I.	Philadelphia, Pa.	Chrome ore	7, 750
Orduna	12	13	Brit.	Pacific Steam Nav. Co.	Valparaiso, Chile.	United Kingdom.	Cotton, gen.	6, 284
West Portal.	8	12	Amer.	McCormick S. S. Co.	Seattle, Wash.	N. London, Conn	Lumber.	4, 264

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>9</sup> Destroyer. <sup>14</sup> Fishing boat. <sup>15</sup> Cotton, scrap, general. <sup>16</sup> Scrap steel, general. <sup>17</sup> General, paper, dynamite. <sup>18</sup> Cotton, wool, general. <sup>19</sup> Steel, lubricating oil, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Sinaloa	12	12	Hond.	United Fruit Co.	Gofito, C. R.	Pto. Castilla, Hon.	Ballast	.....
Harpagon	11	12	Brit.	British Government	N. West'm'er, B. C.	United Kingdom	Lumber	7,123
Madoera <sup>2</sup>	11	13	Neth.	Java-Pacific Line	Los Angeles, Cal.	Caleutta, India	Lumber, gen.	8,404
Pacific Enterprise, <sup>2</sup>	12	13	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General	8,536
Santa Elena	12	13	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	5,379
Elena <sup>1</sup>	11	13	Neth.	Shell Oil Co.	Balboa, C. Z.	Curacao, N. W. I.	Ballast	.....
Monte Teide	12	13	Span.	Navieria Aznar, S. A.	Tocopilla, Chile	Bilbao, Spain	Nitrate	9,200
Fortuna <sup>2</sup>	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	63
West Madaket	12	13	Amer.	Sudden & Christenson	Portland, Oreg.	Baltimore, Md.	Wheat, lum.	7,851
Paula	12	13	Dan.	West Coast Line	Talcahuano, Chile	New York, N. Y.	Nitrate, gen.	2,500
Edwin B. De Golia, <sup>1</sup>	13	14	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Mobile, Ala.	Diesel oil	4,594
Copiapo <sup>2</sup>	13	13	Chile	Cia. Sud Amer. de Vap.	Corral, Chile	New York, N. Y.	Copper, gen.	4,556
California State <sup>13</sup>	8	13	Amer.	State of California	S. Francisco, Cal.	Washington, D. C.	.....	.....
American Oriole	13	13	Amer.	Puget Sd. Mills Co.	Pt. Angeles, Wash.	New York, N. Y.	Lumber	7,632
Real <sup>2</sup>	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Sambu <sup>2</sup>	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	58
Tuiru <sup>2</sup>	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	50
La Placencia <sup>1</sup>	13	14	Amer.	Union Oil of Calif.	S. Francisco, Cal.	Carteret, N. J.	Fuel oil	10,800
Bainbridge <sup>9</sup>	14	15	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
Itasca <sup>14</sup>	11	15	Amer.	Treasury Department	San Diego, Calif.	Vera Cruz, Mex.	.....	.....
Olga E. Embiricos	13	15	Greek	The Lautner Nit. Co.	Taltal, Chile	Alexandria, Egypt	Nitrate	7,600
Pandora <sup>2 14</sup>	11	15	Amer.	Treasury Department	San Diego, Calif.	Vera Cruz, Mex.	.....	.....
Amerika <sup>2</sup>	14	15	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	General	7,965
Salvador	14	15	Brit.	Pacific Steam Nav. Co	Champ'ee, Guat.	Cristobal, C. Z.	General	869
Nightingale	14	15	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	(15)	8,861
Siretul	15	15	Rum	Nitrate Corp., Ltd.	Iquique, Chile	Genoa, Italy	Nitrate	6,181
Rita <sup>1</sup>	13	15	Neth	Curacaosche Scheepvt	Balboa, C. Z.	Curacao, N. W. I.	Ballast	.....
Besholt	14	15	Nor.	De La Rama S. S. Co	Hongkong, China	New York, N. Y.	(16)	7,583
Titus	14	15	Neth	Chile Nit. Sales Corp.	Iquique, Chile	Baltimore, Md.	Nitrate	2,680
Colombia <sup>2</sup>	15	17	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	1,006
Sado Maru <sup>2</sup>	14	16	Jap.	Nippon Yusen Kaisha	Shanghai, China	New York, N. Y.	General	7,270
Port Fairy <sup>2</sup>	14	16	Brit.	Port Line, Ltd.	Bluff, N. Z.	United Kingdom	Frozen, gen.	7,417
Arna <sup>2</sup>	15	15	Nor.	Warner, Barnes & Co.	Manila, P. I.	U. S. Atl. ports	Sugar	7,500
Chilean Reefer <sup>2</sup>	15	15	Dan.	J. Lauritzen	Vancouver, B. C.	Haifa, Palestine	Fruit, gen.	1,732
Lemo <sup>2</sup>	15	17	Ital.	Italian Line	Vancouver, B. C.	Trieste, Italy	General	7,666
Liberator	15	15	Amer.	Lykes Bros.	Pulupandan, P. I.	New Orleans, La.	Raw sugar	9,977
Hunter Liggett <sup>8</sup>	15	17	Brit.	U. S. Army	S. Francisco, Cal.	New York, N. Y.	General	901
Jersey City	15	16	Brit.	Ministry of Supply	Brit. Columbia	United Kingdom	(17)	9,005
Axios	15	17	Greek	Theofano Mar. Co.	Vancouver, B. C.	Haifa, Palestine	Lumber	5,700
Mussolini <sup>2</sup>	16	17	Pan.	E. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	73
Charles R. McCormick	15	16	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	6,884
Douro <sup>2</sup>	16	16	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(18)	492
Orotava	16	17	Hond.	United Fruit Co.	La Libertad, Ecu.	New Orleans, La.	(19)	1,025
Mantout <sup>2</sup>	16	17	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, skins	545
Jersey <sup>2</sup>	16	16	Brit.	Ministry of Supply	N. West'm'er, B. C.	United Kingdom	(20)	8,700
Nebraskan	16	16	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	9,615
Lieut. Col. H. C. Schumm, <sup>4</sup>	16	16	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
Colon <sup>2</sup>	16	17	Pan.	E. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	40
Porto Bello <sup>2</sup>	16	16	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(22)	20
L-41 <sup>5</sup>	16	17	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	(23)	.....
Mackenzie, No. 175, <sup>9</sup>	16	16	Amer.	U. S. Navy	San Diego, Calif.	Colon, R. P. <sup>21</sup>	.....	.....
William, No. 108 <sup>9</sup>	16	16	Amer.	U. S. Navy	San Diego, Calif.	Colon, R. P. <sup>21</sup>	.....	.....
Bailey, No. 269 <sup>9</sup>	16	16	Amer.	U. S. Navy	San Diego, Calif.	Colon, R. P. <sup>21</sup>	.....	.....
Welles, No. 257 <sup>9</sup>	16	16	Amer.	U. S. Navy	San Diego, Calif.	Colon, R. P. <sup>21</sup>	.....	.....
City of Los Angeles	16	18	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	6,902
Ahamar	16	17	Amer.	Calmar S. S. Corp.	Olympia, Wash.	Baltimore, Md.	Lumber	8,197
West Ekonk	16	18	Amer.	Chile Nit. Sales Corp.	Tocopilla, Chile	Norfolk, Va.	Nitrate	8,127
Frida	16	17	Dan.	West Coast Line	Talcahuano, Chile	New York, N. Y.	General	2,699
Awazisan Maru <sup>2</sup>	16	17	Jap.	Mitsui & Co.	Manila, P. I.	New York, N. Y.	Sugar, gen.	8,677
Fortuna <sup>2</sup>	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	87
Lena Luckenbach	17	17	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Tampa, Fla.	General	7,508
Uruguay <sup>2</sup>	17	19	Swed.	Johnson Line	S. Francisco, Cal.	Goth burg, Swed.	(24)	5,884
Woodcock <sup>4</sup>	17	17	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
Sona <sup>2</sup>	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	29
Chilore	17	18	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,000
Floridian	17	18	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	7,921
Anna	17	18	Greek	Chile Nit. Sales Corp.	Tocopilla, Chile	Gibraltar	Nitrate	7,520
Tachira	17	18	Pan.	Grace Line	Salaverry, Peru	Cristobal, C. Z.	(25)	193
Langleighorse	17	18	Brit.	F. Carrick & Co., Ltd.	Vancouver, B. C.	England	(26)	7,500
Birmingham City	17	19	Amer.	Isthmian S. S. Lines	Seattle, Wash.	Baltimore, Md.	(27)	7,142

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>8</sup> Transport. <sup>9</sup> Destroyer. <sup>13</sup> Training ship. <sup>14</sup> Coast Guard cutter. <sup>15</sup> Copper, manganese. <sup>16</sup> Sugar, hemp, general. <sup>17</sup> Lead, grain, lumber. <sup>18</sup> Coffee, cocoa, general. <sup>19</sup> Hides, coffee, bananas. <sup>20</sup> Lumber, wheat, spelter. <sup>21</sup> For orders. <sup>22</sup> Plantains, lumber. <sup>23</sup> Towing barge No. 45. <sup>24</sup> Fruit, coffee, general. <sup>25</sup> Coffee, hides, wood. <sup>26</sup> Zinc, wood pulp, general. <sup>27</sup> Lumber, sugar, canned goods.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Hulda Maersk <sup>2</sup>	18	20	Dan.	Maersk Line.	Hilo, P. I.	Baltimore, Md.	(17)	5,742
Calmar	19	20	Amer.	Calmar S. S. Corp.	S. Francisco, Cal.	Philadelphia, Pa.	(18)	6,062
San Vicente	18	19	Amer.	Pacific-Atlantic Co.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,242
Arkansas	19	19	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	8,346
Adamastos	19	19	Greek.	North Pac. Ship. Co.	Pt. Alberni, B. C.	Loireno M., Ar.	(19)	7,500
Auckland Star <sup>2</sup>	19	20	Brit.	Blue Star Line	N. Plymouth, N. Z.	United Kingdom.	Frozen, gen.	6,575
Ruahine	19	20	Brit.	N. Z. Shipping Co.	Auckland, N. Z.	United Kingdom.	Frozen, gen.	9,237
West Harshaw	19	19	Amer.	Chile Nit. Sales Corp.	Iquique, Chile.	Jacksonville, Fla.	Nitrate	8,051
Agnete Maersk	19	20	Dan.	A. P. Moller.	Chicama, Peru.	New York, N. Y.	Raw sugar	3,032
Martin Bakke <sup>2</sup>	19	20	Nor.	Knutsen Line	N. West'mer, B. C.	Glasgow, Scot.	Lumber, gen.	7,535
Guayaquil	19	20	Amer.	M. Colodetz & Co.	Salaverry, Peru.	New York, N. Y.	Raw sugar	3,326
Amerikaland <sup>2</sup>	19	20	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,600
Dispatch <sup>12</sup>	20	20	Brit.	British Admiralty	High seas.	High seas.		
Slemmestad <sup>2</sup>	19	20	Nor.	Hawaiian Philippine Co	Mambaguid, P. I.	U. S. Atl. coast	Sugar	7,400
Nemours <sup>2</sup>	19	26	Fr.	French Line	Guayaquil, Ecua.	Cristobal, C. Z.	(20)	356
Santa Inez <sup>2</sup>	19	21	Amer.	Grace Line.	Antof gasta, Chile	New York, N. Y.	Metals, gen.	3,639
Goodleigh	20	20	Brit.	Can. Transp. Lumber	Pt. Alberni, B. C.	United Kingdom.	Lum., grain	9,400
Tamesis <sup>2</sup>	20	21	Nor.	Barber Wilhelmsen.	Saigon, China.	New York, N. Y.	General.	4,713
Ohioan	20	20	Amer.	Amer.-Hawaiian Line.	Tacoma, Wash.	Baltimore, Md.	Lumber, gen.	7,254
Tuira <sup>2</sup>	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	55
Real <sup>2</sup>	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Pirre <sup>2</sup>	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	43
Sambu <sup>2</sup>	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	55
Teeka <sup>5</sup>	20		Amer.	J. F. Pate	Balboa, C. Z.	Gatun, C. Z.	Ballast	
Argyll	20	21	Brit.	Ministry of Supply.	Victoria, B. C.	United Kingdom.	Wheat, lum	8,300
Siris	20	23	Brit.	Royal Mail Lines.	S. Francisco, Cal.	United Kingdom.	General	5,674
Tropic Star <sup>2</sup>	20	21	Nor.	Chile Nit. Sales Corp.	Iquique, Chile.	Lake Charles, La.	Nitrate	8,314
Fernglen <sup>2</sup>	20	21	Nor.	Fern Line	Bulan, P. I.	Baltimore, Md.	(21)	6,452
Liberty <sup>5</sup>	18	22	Amer.	U. S. Army	Balboa, C. Z.	New York, N. Y.	Nitrate	88
Lionel <sup>2</sup>	21	22	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	Army gen.	8,471
Kahuku	21	22	Amer.	Matson Nav. Co.	Hilo, T. H.	Baltimore, Md.	Cnd. pines	6,123
Capt. Condon <sup>5</sup>	21		Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge.	
Potter <sup>2</sup>	17	22	Amer.	Roosevelt S. S. Co	Adelaide, Aust.	St. John, N. B.	(22)	5,097
Socrates <sup>2</sup>	21		Neth.	Royal Neth. S. S. Co.	Arica, Chile.	Cristobal, C. Z.	General.	1,954
Maui	21	22	Amer.	Matson Nav. Co.	S. Francisco, Cal.	New York, N. Y.	Sugar	9,300
Victoria City.	21	22	Brit.	Ministry of Supply.	Vancouver, B. C.	Manchester, Eng.	Wheat, lum.	8,100
Cathwood <sup>1</sup>	22	22	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Carteret, N. J.	Fuel oil	9,466
Loreto <sup>2</sup>	22	23	Brit.	Pacific Steam Nav. Co	Talcahuano, Chile	Liverpool, Eng.	General.	6,630
Telde.	22	22	Hond.	United Fruit Co.	Pto. Arm'les, R. P.	New Orleans, La.	Bananas	631
Lillian Luckenbach.	22	22	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Gen., lumber	9,733
Selma	22	23	Dan.	Wessel, Duval & Co.	Talcahuano, Chile	Camden, N. J.	Nit., gen.	2,284
Pacific Pioneer <sup>2</sup>	22	23	Brit.	Furness, Withy & Co.	Seattle, Wash.	United Kingdom.	Gen., fruit	8,437
Colombia	22	24	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	1,147
Schoharie	22	23	Amer.	Chile Nit. Sales Corp.	Iquique, Chile.	Alexandria, Egypt	Nitrate	6,975
Hoperange <sup>2</sup>	22	23	Brit.	Ministry of Supply.	Vancouver, B. C.	United Kingdom.	(23)	8,700
Mussolini <sup>2</sup>	23	24	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	56
Heranger <sup>2</sup>	22	23	Nor.	Interoco S. S. Corp.	Portland, Oreg.	Antwerp, Belgium	(24)	7,324
Kaipara <sup>2</sup>	23	24	Brit.	Trinder Anderson Co.	Auckland, N. Z.	United Kingdom.	(25)	5,801
Colon <sup>2</sup>	23	24	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	33
Maria Cristina <sup>2</sup>	23	23	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. I.	Plant'ns, lum	12
Macabi	23	24	Pan.	United Fruit Co	Quepos, C. R.	Boston, Mass.	Ballast	
Draco <sup>2</sup>	23	25	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	558
Ripley <sup>2</sup>	23	24	Brit.	Ministry of Supply.	Vancouver, B. C.	United Kingdom.	Wheat, lum.	8,300
Kirsten B.	24		Nor.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	Coffee, gen.	1,184
Herman F. Whiton.	24	24	Amer.	Dutton Lumber Corp.	Astoria, Oreg.	Philadelphia, Pa.	Lumber	7,200
Kentucky	24	24	Amer.	Isthmian S. S. Lines.	Everett, Wash.	Baltimore, Md.	Lumber, gen.	6,961
Erie <sup>13</sup>	28		Amer.	U. S. Government.	Balboa, C. Z.	Cristobal, C. Z.		
Heffron	2	24	Amer.	Weyerhaeuser S. S. Co	Seattle, Wash.	Norfolk, Va.	Lumber, gen.	10,243
Hermes	24		Neth.	Royal Neth. S. S. Co	Guayaquil, Ecua.	Amsterdam, Neth	General.	424
Sambu <sup>2</sup>	24	25	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	58
Tuira <sup>2</sup>	24	25	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	43
Vest	24	26	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Norfolk, Va.	Nitrate	8,027
H. D. Collier <sup>1</sup>	24	25	Amer.	Standard Oil of Calif.	Los Angeles, Cal.	Philadelphia, Pa.	Gasoline	11,369
Yamabiko Maru.	25	26	Jap.	Yamashita Kisen K.	Osaka, Japan.	Buenos Aires, Arg.	General.	6,458
Aquarius	25	26	Amer.	Lykes Bros. S. S. Co.	Zamboanga, P. I.	New Orleans, La.	Copra	6,702
City of San Francisco.	25	26	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.	6,919
Sea Horse <sup>5</sup>	25		Amer.	N. E. Parker.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Prusa	25	26	Amer.	Grace Line	Arica, Chile	New York, N. Y.	(26)	6,981
Bethore	26	26	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,200
Point Clear	26	26	Amer.	Gulf-Pacific Line.	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	5,370
Eastern Guide	25	27	Amer.	Prudential S. S. Corp.	Maslinoc, P. I.	New York, N. Y.	Iron ore	5,728
Abheydale <sup>1</sup>	26	27	Brit.	British Navy	Callao, Peru.	High seas.	Fuel oil	5,246
Hertford	25	26	Brit.	Federal Steam Nav. Co.	Bluff, N. Z.	United Kingdom.	Frozen, gen.	8,800

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>5</sup> Launch. <sup>8</sup> Transport. <sup>12</sup> Cruiser. <sup>13</sup> Gunboat. <sup>17</sup> Wood oil, coconut oil, general. <sup>18</sup> Lumber, wood pulp. <sup>19</sup> Lumber, lead, canned salmon. <sup>20</sup> Coffee, ivory nuts. <sup>21</sup> Sugar, lumber, copra. <sup>22</sup> Wool, hides, tallow. <sup>23</sup> Wheat, zinc, lumber. <sup>24</sup> Wheat, lumber, general. <sup>25</sup> Wool, tallow, lead. <sup>26</sup> Copper, ore, hides.







# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.

*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXIII

Balboa Heights, C. Z., April 15, 1940

No. 9

## Traffic Through the Panama Canal in March 1940

The total vessels of all kinds transiting the Panama Canal during the month of March 1940, and for the same month in the two preceding years, are shown in the following tabulation:

	March 1940			March	
	Atlantic to Pacific	Pacific to Atlantic	Total	1939	1938
Ocean-going commercial traffic.....	235	235	470	553	506
Small commercial vessels <sup>1</sup> .....	50	44	94	79	77
Noncommercial vessels:					
United States Government.....	32	17	49	37	40
For repairs.....				3	
<b>Total.....</b>	<b>317</b>	<b>296</b>	<b>613</b>	<b>672</b>	<b>623</b>

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC<sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the twelve months ended March 31, 1940, as compared with the twelve months ended March 31, 1939:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39
April.....	496	487	2,278,326	2,258,836	2,472,504	2,279,235	\$1,999,851.16	\$1,961,456.58
May.....	506	465	2,341,894	2,150,228	2,538,949	2,309,171	2,053,502.16	1,886,825.66
June.....	479	445	2,268,679	2,064,793	2,437,087	2,122,389	1,977,431.94	1,801,291.78
July.....	485	429	2,254,398	1,933,816	2,317,697	2,025,660	1,974,380.72	1,694,205.00
August.....	490	468	2,247,009	2,177,699	2,385,039	2,171,674	1,964,776.48	1,890,050.74
September.....	457	438	2,119,418	2,005,241	2,445,700	1,998,464	1,855,574.22	1,741,895.46
October.....	458	494	2,068,665	2,276,194	2,386,314	2,359,673	1,815,210.24	1,977,706.76
November.....	489	505	2,178,556	2,302,333	2,472,503	2,223,830	1,915,075.38	1,984,014.72
December.....	489	509	2,116,424	2,336,011	2,361,176	2,374,395	1,840,096.98	2,031,017.04
January.....	466	525	2,056,568	2,380,916	2,337,943	2,393,360	1,795,241.88	2,062,454.16
February.....	402	501	1,782,977	2,282,318	2,123,574	2,206,963	1,567,416.06	1,996,735.66
March.....	470	553	2,099,902	2,586,580	2,279,432	2,664,068	1,832,416.98	2,252,156.28
<b>Total.....</b>	<b>5,687</b>	<b>5,819</b>	<b>25,812,816</b>	<b>26,754,965</b>	<b>28,557,918</b>	<b>27,128,882</b>	<b>22,590,974.20</b>	<b>23,279,809.84</b>

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons (Panama Canal measurement), which transited the Panama Canal during the month of March 1940. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	50	2,286	\$1,698.84	412
Pacific to Atlantic.....	44	1,753	1,562.22	1,814
<b>Total.....</b>	<b>94</b>	<b>4,039</b>	<b>3,261.06</b>	<b>2,226</b>

Traffic by Nationality of Vessels<sup>3</sup> for March 1940

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo	
British	4	101	571,082	\$501,415 18	498,217
Chilean	4	4	20,054	18,048 60	13,386
Colombian	3	3	1,356	1,139 04	1,289
Danish	17	17	58,733	52,859 70	62,258
Egyptian	1	1	4,239	3,052 08	.....
French	4	19	12,607	11,346 30	8,227
Greek	19	19	84,494	70,648 92	97,605
Honduran	12	12	18,705	15,869 34	10,188
Italian	4	4	29,153	25,493 22	15,218
Japanese	17	17	97,927	88,134 30	65,300
Latvian	2	2	6,344	5,709 60	13,033
Mexican	<sup>a</sup> 1			800 00	.....
Netherlands	26	26	51,764	46,107 72	59,798
Norwegian	37	37	160,875	135,441 54	165,212
Panamanian	27	27	55,461	47,458 62	60,774
Peruvian	1	1	2,259	2,033 10	2,048
Philippines	4	4	19,432	17,488 80	26,199
Rumanian	1	1	3,876	2,790 72	.....
Swedish	12	12	59,224	49,636 62	70,177
United States	176	176	838,341	733,284 18	1,072,953
Yugoslav	1	1	4,066	3,659 40	7,550
Total	470	2,099,902	1,832,416 98	2,279,432	

<sup>3</sup> Tolls-paying vessels of 300 or more net tons, Panama Canal measurement. <sup>4</sup> Includes 4 naval vessels of 16,745 displacement tons. <sup>5</sup> Naval vessel of 1,600 displacement tons.

## Traffic by Trade Routes for March 1940

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	51	247,648	259,106	49	236,134	384,862
East coast United States and:						
Canada	2	9,740	.....	.....	.....	.....
Central America/Mexico	11	20,534	8,775	9	15,918	5,685
South America	33	140,508	46,146	32	130,030	279,795
Hawaiian Islands	4	18,750	20,009	6	31,402	36,407
Australasia	8	63,336	44,972	2	9,313	19,000
Philippine Islands	11	57,336	63,967	10	52,867	79,104
Far East	19	99,033	144,617	10	57,753	55,852
Canada intercoastal				1	4,417	6,400
East coast Canada and:						
South America				1	1,286	2,770
Australasia	3	18,113	18,393	2	11,175	12,376
Far East	1	6,711	8,019	.....	.....	.....
Central America/Mexico intercoastal	1	1,056	1,690	1	1,056	250
South America intercoastal	4	2,381	2,430	2	6,323	2,048
East coast South America and:						
United States	1	4,761	3,817	2	9,645	8,424
Canada	1	4,551	4,432	.....	.....	.....
Far East	3	17,424	11,044	2	10,280	4,659
Cristobal and:						
Central America/Mexico	4	2,640	3,155	6	4,307	4,531
South America	15	13,789	13,678	20	21,099	18,739
West Indies and:						
United States	4	22,177	.....	2	13,644	14,164
Canada	1	4,063	3,500	.....	.....	.....
South America	2	12,508	22,820	2	5,981	11,399
Balboa	2	9,185	19,539	1	1,721	.....
Europe and:						
United States	3	14,986	165	7	36,755	53,550
Canada	15	79,325	8,401	32	164,419	257,828
South America	18	95,305	25,179	8	34,942	63,325
Australasia	9	70,720	20,845	17	129,473	119,062
Philippine Islands	1	6,709	8,788	.....	.....	.....
Far East				1	4,862	6,676
Asia and west coast Canada				1	1,778	1,737
Egypt and South America	2	9,105	.....	5	23,494	41,360
Africa and South America				1	3,980	7,706
Around the world	2	14,652	10,834	1	5,564	7,492
Vessels not engaged in commerce	<sup>6</sup> 3		.....	<sup>6</sup> 2	.....	.....
Foreign vessels in hallast (United States intercoastal)	1	3,288	.....	.....	.....	.....
Total	235	1,070,284	774,231	235	1,029,618	1,505,201

<sup>6</sup> Naval vessels.

**Origin and Destination of Cargo by Major Areas, March 1940**

The following table summarizes the origin of cargo passing through the Canal in March 1940, and its destination by major geographical trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States .....	269,282	30,049	212,669	44,547	44,972	601,519
Other North America .....	1,475	30,120	1,176	42,061	19,007	93,839
Europe .....	2,076	6,275	8,586	21,301	20,231	58,469
Miscellaneous .....	8,666	201	9,541	1,996		20,404
<b>Total .....</b>	<b>281,499</b>	<b>66,645</b>	<b>231,972</b>	<b>109,905</b>	<b>84,210</b>	<b>774,231</b>

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States .....	374,009	37,872	95,572	9,092	516,545
Canada .....		7,745	200,494	2,246	219,485
Other North America .....	40,865	6,128	2,639		49,662
South America .....	275,190	37,413	63,325	51,214	427,142
Australasia .....	24,121	7,266	119,051		150,438
Asia .....	131,269	3,161	4,537	2,962	141,929
<b>Total .....</b>	<b>845,484</b>	<b>99,585</b>	<b>494,618</b>	<b>65,514</b>	<b>1,505,201</b>

**Principal Commodities**

Commodities in transit through the Canal which aggregated 10,000 or more tons either during March 1940 or March 1939, are listed below:

Commodity	March		Commodity	March	
	1940	1939		1940	1939
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Ammonium compounds .....	11,230	2,271	Canned food products .....	95,825	103,198
Automobiles and parts .....	15,919	24,370	Coffee .....	17,641	18,745
Canned food products .....	15,298	9,996	Cold storage (food products) 7 .....	73,564	40,566
Cement .....	6,618	16,362	Copra .....	12,241	24,366
Chemicals .....	14,890	12,358	Flour .....	22,383	13,439
Coal and coke .....	14,589	8,723	Fruit, dried .....	18,579	22,802
Cotton, raw .....	13,278	33,322	Fruit, fresh 8 .....	9,974	35,997
Iron and steel .....	176,496	135,067	Lumber .....	328,233	251,503
Machinery .....	23,971	16,838	Metals, various .....	76,539	59,073
Metals, various .....	28,725	21,497	Molasses and syrups .....	1,375	13,444
Oils, mineral .....	89,431	117,211	Nitrates .....	146,161	165,689
Paper .....	35,539	31,863	Oils, mineral .....	92,919	160,104
Phosphates .....	4,849	36,117	Oils, vegetable .....	24,370	12,663
Scrap metal .....	34,985	184,031	Ores .....	185,000	174,944
Sulphur .....	13,704	28,411	Paper .....	11,818	8,750
Tinplate .....	26,301	21,020	Rubber, raw .....	20,650	1,632
<i>Pacific to Atlantic</i>			Soy beans .....	503	40,825
Asphalt and tar .....	11,810	11,966	Sugar .....	124,121	149,747
Barley .....	14,035	26,801	Wheat .....	52,584	209,583
Beans, edible, dry .....	8,337	10,702	Wood pulp .....	14,914	19,989
			Wool .....	34,537	26,195

7 Except fruit. 8 Except bananas.

**Commodities in Detail**

The following statement lists all commodities passing through the Canal during the month of March 1940, as reported in the cargo declarations showing the movement by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts		15	53	15
Agricultural implements	276	52	2,533	224
Alfalfa meal		470		1,095
Ammonium compounds	669		11,230	12
Animal foods <sup>9</sup>	19	121	29	292
Apparel, wearing (hats, shoes, clothing, etc.)	59		64	40
Asbestos	570		3,126	
Asphalt and tar	757	10,981	3,219	11,810
Automobiles (and autotrucks)	2,603	6	11,883	34
Automobile parts and accessories	795	55	4,036	67
Bags and bagging, textile		199	123	242
Bamboo and products		15		716
Bananas				6,087
Barks, miscellaneous				340
Barley		11	1	14,035
Beans, edible, dry	20	5,390	50	8,337
Beer			478	217
Blood and tankage			131	138
Bones and bone meal		80	1,366	180
Books and printed matter			75	
Borax		513	10	4,248
Bran and pollards		55	60	1,613
Bricks and tile	810		1,594	18
Canned and preserved goods:				
Fish	386	8,668	524	14,968
Fruit	4,684	29,270	4,766	49,413
Meat	111	69	1,566	370
Milk	23	55	1,656	349
Soup	2,562		2,659	
Vegetables	590	12,091	674	12,526
Miscellaneous and unclassified	2,747	13,243	3,453	18,199
Carbon black		12	112	258
Cement	1,093	23	6,618	254
Chalk			65	
Charcoal	38		503	5
Chemicals <sup>9</sup>	4,364	1,198	14,890	2,154
Clay, china and fire	816	86	1,322	220
Clay, filtering		26		96
Coal	720		14,574	
Cocoa and cacao beans	550	89	1,396	909
Coconuts and products <sup>9</sup>	233	841	256	2,087
Coffee	746	98	5,708	17,641
Coke			15	17
Cold storage and refrigerated products:				
Dairy products	36	229	315	31,377
Eggs				272
Fish				1,396
Lard	328		426	18
Meats		6	29	39,863
Poultry		163		190
Vegetables			32	149
Other and unclassified	29	44	36	299
Confectionery	1,174	19	1,241	44
Copra				6,469
Copra meal and cake				5,772
Corn			533	
Cotton, raw	42	257	13,278	4,320
Creosote	6,831		6,884	
Drugs and medicines	2,048	126	3,482	313
Dyes			949	3
Earthenware	20	12	233	68
Electrical apparatus and appliances	2,846	52	3,840	263
Enamelware and metalware	1,541	7	1,711	80
Explosives	112		600	2
Extract, quebracho			1,647	
Fertilizers <sup>9</sup>	222	48	2,441	1,099
Fish, salted or dry-cured			18	15
Fish meal	27		27	581
Floor coverings	3,324	1,401	3,459	1,640
Flour	20	12,847	904	22,383
Fruit, dried	164	11,468	164	18,579
Fruit, fresh <sup>9</sup>	58	475	651	9,974
Furniture and household goods	734	15	773	92
General	15,886	4,164	60,868	11,919
Glass and glassware	2,374	56	5,484	393
Glue	102	98	210	108
Grains <sup>9</sup>	1		253	104
Groceries	3,351	969	4,021	1,563
Gums	26		32	248
Hair, all kinds	58	6	69	132

<sup>9</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Hay		30		67
Hemp, unmanufactured	26	191	138	2,412
Honey		63		152
Hops				178
Insufioral earth		79		1,182
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	107,173	104	176,496	2,392
Ivory nuts				1,362
Jute, unmanufactured			119	
Lard, substitute	711		711	
Lime				6
Liquors	5,034	239	8,415	303
Lumber (including manufactured mill products)	1,853	158,452	2,874	328,233
Machinery	2,809	296	23,971	1,043
Malt				371
Manufactured goods <sup>9</sup>	8,652	386	18,650	1,500
Marble and granite	229		294	
Matches	491	89	529	89
Metals:				
Antimony				50
Copper	615	1,485	9,261	41,659
Gold and silver				80
Iron	2,529	14	10,504	3,524
Lead	255	509	1,212	13,519
Tin	16	28	1,646	2,278
Zinc	205		718	15,191
Other and unclassified	822	133	5,384	265
Milk, powdered	46	164	46	661
Molasses and syrups	705	16	945	1,375
Nitrate	74		183	146,161
Nuts, edible (including meats)		522	18	630
Oats	157	138	178	5,210
Oils, mineral:				
Crude	85		231	9,547
Gas and fuel		9,411	43,034	20,078
Gasoline, benzine, and naphtha	44	31,945	5,207	56,957
Kerosene	125		6,214	3,098
Lubricating and greases	9,765	849	34,679	2,349
Other and unclassified		23	66	524
Oils, vegetable:				
Coconut		548	312	16,743
Cottonseed				366
Linseed	25		25	2
Olive	579	1	606	3
Peanut	24		24	2,912
Rapeseed				455
Teaseed				40
Wood	258	20	258	2,516
Other and unclassified	441	10	588	1,699
Oil, fish	111	1,048		2,600
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	38		2,878	649
Oilseed cake and meal	3,345		3,350	9,427
Ores:				
Antimony				906
Chrome	111		111	26,000
Copper		459		9,933
Gold and silver				1,150
Iron				132,050
Magnesite		2,197		2,197
Maganese	1,000	1,871	1,155	5,629
Tin				1,828
Zinc	3		28	1,751
Other and unclassified	229	21	865	3,556
Paints and varnishes	1,662	185	3,633	347
Paper and paper products <sup>9</sup>	10,814	8,692	35,539	11,818
Peanuts	1,713		1,713	248
Peas, dry				1,187
Peatmoss	4		48	
Phosphates	345		4,849	
Plaster			25	
Porcelainware	991	114	1,181	2,805
Potash	5	1,373	9,181	1,373
Rags and waste	533	202	968	747
Railroad material	2,211		8,527	
Rice	519	94	938	1,703
Rope and twine	381	53	453	171
Rosin	1,917	13	3,817	86
Rubber:				
Manufactured	1,361	168	1,695	246
Raw			42	20,650
Scrap			835	23

<sup>9</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Salt	149	69	7,994	169
Sand			15	40
Scrap metal	30	77	34,985	197
Seeds (except oilseeds)		123	80	487
Shells, all kinds	514		514	387
Silk, raw		5		473
Skins and hides	3	1,461	1,020	5,746
Slate	880		880	
Soaps and products	3,424	241	3,515	420
Soda and sodium compounds:				
Soda ash	114		1,457	677
Soda, caustic	277		1,268	52
Miscellaneous and unclassified	507	191	804	199
Soy beans	68		68	503
Spices	432	14	494	555
Sugar	90	18,470	90	124,121
Sulphur	11,202		13,704	
Talc		28	24	715
Tallow	40	163	42	2,872
Tea	79	28	115	310
Textiles <sup>10</sup>	4,244	44	8,620	4,667
Tinplate	6,746	80	26,304	255
Tobacco and manufactures	855	257	9,808	291
Toilet preparations	226	13	570	139
Turpentine	94		135	
Vegetables, dry <sup>9</sup>		4		1,191
Wallboard		51	135	1,197
Wax, paraffin	139	15	348	818
Wheat		770	241	52,584
Wines	219	1,294	310	1,469
Wood pulp	292	10,956	6,381	14,914
Wood	22	1,226	3,186	34,537
Total, March 1940	269,282	374,009	774,231	1,505,201
Total, March 1939	247,302	381,260	948,662	1,715,406
Total, March 1938	192,834	298,342	787,862	1,480,686

<sup>9</sup> Except as otherwise classified. <sup>10</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of March 1940:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	7	41,377	116,800	* 5	30,889	125,541
East coast United States and:						
South America	1	5,187				
Philippine Islands				1	3,694	136,700
South America intercoastal				1	4,064	
East coast South America and United States				1	5,072	
West Indies and:						
United States	4	22,177		2	13,644	14,164
South America	2	12,508	22,820	2	5,981	11,399
Balboa	2	9,185	19,539	1	1,721	
Europe and:						
United States				1	4,488	8,875
South America	3	17,523		1	4,891	9,547
Total	19	107,957	49,159	15	74,444	106,226

<sup>11</sup> Cresote. <sup>12</sup> Includes 10,981 tons asphalt. <sup>13</sup> Coconut oil.

### Correction

In THE PANAMA CANAL RECORD dated March 15, 1940, under the heading "Cargo Handled at Terminal Ports," the figures for cargo transhipped should read: Cristobal, 57,625 tons; Balboa, 988 tons; and total, 58,613 tons.



### Comparison of Canal Traffic in March 1940, with March Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of March			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915 <sup>14</sup>	136	(000 omitted) 440	(000 omitted) 607	1915	<sup>15</sup> 100	(000 omitted) 334	(000 omitted) 466
1916 <sup>16</sup>				1916	60	184	258
1917	139	424	571	1917	145	447	588
1918	171	539	661	1918	165	506	627
1919	151	442	505	1919	162	472	576
1920	226	758	894	1920	199	659	781
1921	251	1,030	1,084	1921	232	879	966
1922	231	902	960	1922	222	880	907
1923	403	1,839	1,941	1923	325	1,434	1,631
1924	424	1,976	2,272	1924	429	2,016	2,249
1925	393	1,817	2,104	1925	382	1,761	1,996
1926	496	2,217	2,606	1926	424	1,909	2,169
1927	490	2,232	2,533	1927	441	2,020	2,311
1928	525	2,256	2,427	1928	521	2,269	2,468
1929	526	2,374	2,742	1929	524	2,299	2,554
1930	505	2,317	2,557	1930	502	2,310	2,502
1931	427	2,044	1,914	1931	447	2,140	2,089
1932	348	1,724	1,643	1932	364	1,820	1,650
1933	369	1,838	1,737	1933	347	1,758	1,513
1934	508	2,499	2,465	1934	436	2,201	2,059
1935	455	2,218	2,210	1935	432	2,143	2,109
1936	526	2,511	2,634	1936	449	2,160	2,209
1937	536	2,562	3,016	1937	467	2,224	2,507
1938	596	2,312	2,269	1938	460	2,163	2,282
1939	553	2,587	2,664	1939	492	2,264	2,322
1940	470	2,100	2,279	1940 (9 months)	467	2,103	2,345

<sup>14</sup> Canal opened August 15, 1914.      <sup>15</sup> Averages for 10½ months of fiscal year ended June 30, 1915.      <sup>16</sup> Canal closed on account of slides.

### Terminal Activities

Ships repaired during the month of March 1940 numbered 82. Vessels released from drydock numbered 13. Fuel oil amounting to 529,925 barrels was delivered as bunkers to 201 commercial vessels. Bunker coal amounting to 14,034 tons was delivered to 37 commercial vessels. Sales of commissary supplies to ships aggregated \$48,028.

### Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons	56,150	26,775	82,925
Local cargo shipped..... tons	1,768	378	2,146
Cargo received for transshipment..... tons	74,947	756	75,703
Cargo transhipped..... tons	65,077	759	65,836
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	4	2	6
Number of releases issued.....	41	18	59
Tons received.....	17	9	26
Tons withdrawn.....	98	16	114

### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal..	540	3,113,598	1,873,122	513	2,906,528	1,766,737
Vessels entering port but not transiting Canal.	64	270,582	152,212	14	55,411	33,212
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	119	715,305	424,147	81	538,145	315,536
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	545	3,136,827	1,885,369	511	2,899,171	1,764,125
Vessels clearing port but not transiting Canal.	67	290,400	162,445	15	58,725	35,089
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	114	679,724	403,535	80	533,532	313,253





















PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Vest	8	9	Nor	Chile Nit. Sales Corp.	Tocopilla, Chile.	Panama City, Fla.	Nitrate	7,950
Santa Clara	8	9	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	(15)	4,735
Orbita	8	10	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Liverpool, Eng.	Tin, gen.	7,827
Waipawa <sup>2</sup>	7	9	Brit.	Shaw, Savill & Albion	New Zealand	London, England	Frozen, gen.	8,976
Valparaiso <sup>2</sup>	8	9	Swed.	Johnson Line	Tacoma, Wash.	Liverpool, Eng.	(16)	5,788
Cuango <sup>2</sup>	9	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	55
American Legion <sup>8</sup>	6	10	Amer.	U. S. Army	Balboa, C. Z.	New York, N. Y.	General	
Andino <sup>1</sup>	2	9	Brit.	Lago Ship Co., Ltd.	Balboa, C. Z.	S. Nicolas, Cuba.	Ballast	
Salvador	9	9	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	(17)	887
Komaki Maru <sup>2</sup>	8	10	Jap.	Kokusai Kisen Kaisya	Kobe, Japan	New York, N. Y.	(18)	7,383
Nestos	8	10	Greek	Ministry of Supply	N. Westm'er, B.C.	Cardiff, Wales	Lead, lum.	8,200
Tuira <sup>2</sup>	9	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	63
Sona <sup>2</sup>	9	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	33
Real <sup>2</sup>	9	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	40
Launch <sup>5</sup>	8	9	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Lafayette	8	9	Amer.	Waterman S. S. Corp.	Santo Nino, P. I.	New York, N. Y.	Sugar	9,500
Arica	8	8	Fr.	French Line	Valparaiso, Chile.	Havre, France.	General	8,460
Port Gisborne <sup>2</sup>	8	8	Brit.	Port Line, Ltd.	Brisbane, Aus'lia.	United Kingdom.	Frozen, gen.	7,342
Katrina Luckenbach	9	10	Amer.	Luckenbach Line	Los Angeles, Cal.	New Orleans, La.	Lumber, gen.	7,785
Arimasan Maru <sup>2</sup>	9	10	Jap.	Mitsui Senpakubu	Cebu, P. I.	New York, N. Y.	General	6,840
W. H. Berg <sup>1</sup>	8	10	Amer.	Sun Oil Co.	Los Angeles, Cal.	Marcus H'k, Pa.	Gasoline	11,617
Kenmar	10	10	Amer.	Calmar Line	Seattle, Wash.	Baltimore, Md.	Lumber pulp	7,356
Anglo African	10	10	Brit.	Ministry of Supply	Pt. Alberni, B. C.	United Kingdom.	(19)	9,200
Balla <sup>2</sup>	10	10	Nor.	Smith & Johnson	Mazatlan, Mex.	New York, N. Y.	Beans	4,450

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>5</sup> Launch. <sup>8</sup> Transport. <sup>15</sup> Copper, bananas, general. <sup>18</sup> Coffee, wood, general.  
<sup>17</sup> Sugar, silk, general. <sup>19</sup> Wheat, lead, lumber.

Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices to individuals and companies, as of April 17, 1940:

Commodities	Unit	Price
Brass, bar, average	Lb.	\$0.20
Brass, sheet, average	Lb.	.31
Bronze, Tobin, average	Lb.	.22
Gasoline, motor grade	Gal.	.14
Metal, yellow	Lb.	.26
Oakum, Navy, spun	Lb.	.20
Oakum, Navy, unspun	Lb.	.17
Oil, gun and ice machine	Gal.	.31
Oil, engine, gas, light, in drums, No. 2135	Gal.	.28
Oil, engine, gas, extra heavy, in cases, No. 2250	Gal.	.31
Oil, engine, gas, extra heavy, in drums, No. 2250	Gal.	.26
Oil, kerosene, in drums	Gal.	.11
Oil, marine, engine	Gal.	.54
Paint, lead, white, dry	Lb.	.11
Paint, lead, white, in oil	Lb.	.10
Paint, zinc oxide, dry	Lb.	.07
Paint, zinc oxide, in oil	Lb.	.11
Grease, gear, chain and wire rope, lubricating	Lb.	.05
Grease, yellow, cup, medium	Lb.	.06
Grease, yellow, cup, hard	Lb.	.06
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.08
Waste, cotton, white	Lb.	.10

Current Net Prices on Fuel Oil and Diesel Oil

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from the tanks of the Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.10 per barrel at Cristobal and Balboa; Diesel oil, \$1.90 per barrel at Cristobal and Balboa.

**Consular Officers Accredited to Canal Zone**

<i>Name</i>	<i>Title</i>	<i>Address</i>
<b>BELGIUM</b>		
J. J. Henríquez.....	Honorary Consul for Canal Zone.....	Colon
<b>BOLIVIA</b>		
Dr. Jorge Eduardo Boyd..	Honorary Consul General for Canal Zone....	Panama
<b>BRAZIL</b>		
Jorge D. Arias F.....	Honorary Consul for Canal Zone.....	Panama
Pedro Ernesto Arias I...	Honorary Vice Consul for Canal Zone.....	Panama
<b>COLOMBIA</b>		
Juan A. Calvo.....	Consul General for Canal Zone from Balboa to Gamboa.....	Panama
Jorge Castaño Castillo..	Consul General for Canal Zone from Cristobal to Gatun, including Gatun Lake.....	Colon
<b>COSTA RICA</b>		
Juan Dávila Solera.....	Honorary Consul General at Balboa for the Canal Zone.....	Panama
Enrique Pucci Paoli.....	Honorary Consul at Cristobal for the Canal Zone.....	Colon
<b>DENMARK</b>		
Samuel Levy Maduro ..	Honorary Consul for Canal Zone.....	Panama
Colman Sasso.....	Honorary Consul for Canal Zone.....	Colon
<b>DOMINICAN REPUBLIC</b>		
Manuel de J. Quijano ..	Honorary Consul General for Canal Zone.....	Panama
H. J. Henríquez.....	Honorary Vice Consul for Canal Zone .....	Colon
<b>EL SALVADOR</b>		
Ernesto A. Boyd.....	Honorary Consul for Canal Zone.....	Panama
Roberto Boyd.....	Vice Consul for Canal Zone.....	Panama
<b>FINLAND</b>		
Herman J. Henríquez ..	Honorary Consul for Canal Zone.....	Colon
<b>FRANCE</b>		
Pierre H. de la Blanchetai..	Consul for Canal Zone.....	Panama
<b>GERMANY</b>		
Ernest F. Neumann....	Honorary Consul for port of Balboa, including Pacific part of Canal Zone.....	Panama
Kurt Lindenberg.....	Acting Consul for port of Cristobal and the Atlantic part of Canal Zone.....	Cristobal
Walther Schmidt.....	Acting Consul for port of Cristobal and the Atlantic part of Canal Zone during the absence of Kurt Lindenberg on leave.....	Cristobal
<b>GREAT BRITAIN</b>		
Charles E. S. Dodd.....	Consul General for Canal Zone.....	Panama
Douglas Gerald Rydings..	Consul for Canal Zone.....	Panama
J. H. Dickinson.....	Vice Consul for Canal Zone.....	Panama
Lawrence Barnett.....	Vice Consul for Canal Zone.....	Colon
<b>GUATEMALA</b>		
Tomás Arias.....	Honorary Consul for Pacific part of Canal Zone at Balboa.....	Panama
Manuel J. Castillo.....	Honorary Vice Consul at Cristobal.....	Colon
Dr. Julio Jiménez Sierra..	Honorary Consul at Cristobal.....	Colon

<i>Name</i>	<i>Title</i>	<i>Address</i>
HAITI		
Max R. Stempel.....	Consul at Balboa, Canal Zone.....	Panama
HONDURAS		
Juan Francisco Arias F....	Honorary Consul at Balboa, Canal Zone.....	Panama
HUNGARY		
Pedro Ernesto Arias I....	Honorary Consul for Canal Zone.....	Panama
ITALY		
Giovani Bruni.....	Royal Consular Agent.....	Colon
JAPAN		
Yashichi Otani.....	Consul for Canal Zone.....	Panama
MEXICO		
Silvio Salazar.....	Honorary Consul for Canal Zone from Cristobal to Gorgona.....	Colon
NETHERLANDS, THE		
David M. Sasso.....	Honorary Consul General for Canal Zone.....	Panama
Julio A. Salas.....	Honorary Consul for Cristobal, Canal Zone.....	Colon
NICARAGUA		
Armando Pallais L.....	Consul General for Canal Zone.....	Panama
Roberto Feuillebois.....	Honorary Consul for Cristobal, Canal Zone.....	Colon
NORWAY		
Alan Neave Dodd.....	Consul for Canal Zone, except Balboa and Ancon..	Colon
PARAGUAY		
Juan Brin, Jr.....	Consul General for Canal Zone.....	Panama
SPAIN		
Juan de Arenzana y C... .	Consul General for Canal Zone.....	Panama
SWEDEN		
Capt. Hans Elliot.....	Consul General for Canal Zone.....	Panama
Julio A. Salas.....	Honorary Vice Consul for Canal Zone.....	Colon
VENEZUELA		
Pedro Contreras Dávila..	Consul General for Canal Zone.....	Colon

### Provisions Required by Ships

Commissary Division, Panama Railroad Company, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats (including native beef), ice, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery, or for delivery at the other terminal after transit.

### Information from American Consuls

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

## Tolls Charges for Transit of the Panama Canal

(Effective March 1, 1938)

1. Complete transit (one way):
  - (a) Merchant vessels, yachts, army and navy transports, colliers, hospital ships, and supply ships, when carrying passengers or cargo—  
Per net vessel-ton of 100 cubic feet each of actual earning capacity—that is, the net tonnage determined in accordance with the Rules for the Measurement of Vessels for the Panama Canal..... \$0.90
  - (b) Vessels in ballast without passengers or cargo—  
Per net vessel-ton..... .72
  - (c) Other floating craft, including warships, other than transports, colliers, hospital ships, and supply ships—  
Per ton of displacement..... .50
2. Part transit:  
Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
3. Free transit:  
Vessels transiting the Panama Canal by prearrangement from Cristobal to Balboa and return for the sole purpose of having repairs made at Balboa drydock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

### Lubricating Oils

The following is a list of the different kinds of lubricating oil carried in stock at Panama Canal storehouses, and a brief description of each of the oils with a statement of the purpose for which it is generally used.

Requisitions and orders for oils placed with the storekeepers should state the name (including number, if any) of the oil desired exactly as given on the following list:

#### STATEMENT OF STANDARD LUBRICATING OILS AND THEIR USES

##### OILS, FORCE FEED AND MOTOR CYLINDER

*Medium, No. 2135.*—A medium oil for the lubrication of main turbines not driving through reduction gears, dynamos, and small internal combustion engines. Not to be used for steam cylinder lubrication.

*Heavy, No. 2190.*—A heavy oil that will separate quickly from water. For the lubrication of turbines with reduction gears, medium size internal combustion engines, and forced feed on main engines. A heavy bodied oil for use on auxiliary equipment.

*Extra heavy, No. 2250.*—An extra heavy oil for the lubrication of medium size internal combustion engines, power cylinders, air compressors, and bearings of Diesel engines.

*Ultra heavy, No. 2310.*—An ultra heavy oil for the lubrication of power cylinders, air compressors, and bearings of large Diesel engines.

*Tractor, heavy, No. 3100.*—A very heavy body oil for aircraft engines, high speed gasoline engines, motor trucks, motor boats, motor cycles, and Diesel engines S. A. E.-50.

*Diesel engine lubricating.*—For Diesel engines.

##### OILS, MISCELLANEOUS

*Ammonia cylinder (gun and ice machine grade No. 125).*—A refined petroleum oil without the admixture of fatty oils, resins, soap, or other compounds not derived from petroleum. For the lubrication of the cylinders of ice machines, pneumatic tools, and hydraulic systems.

*Car and locomotive.*—A lubricant on journals of all cars, passenger coaches, steam and electric locomotives.

*Castor.*—Grade "A." Used for lubricating purposes of the highest grade.

*Cutrite, soluble cutting.*—A mixture of soluble alkali soap in mineral and fixed saponifiable oils. For use in turret lathes and bolt machines.

*Fish.*—Used as a rust preventative and for tempering.

*Lard.*—For use on pipe cutting and threading machines.

*Insulating.*—Switch (Electrical Division).

*Insulating.*—Transformer (Electrical Division).

*Lubricant (gear, chain and wire rope).*—For lubrication and protection of chains, wire rope, and gears of cranes, dredges, steamshovels, etc.

*Machine, odorless.*—For use on typewriters.

*Marine engine, No. 4065, compounded.*—A compound of mineral with vegetable oil for the lubrication of reciprocating engines and auxiliaries where oiling is done by hand or through wick feed or drop oilers, also for thrust bearings. Must not be used for circulating of forced feed systems.

*Mineral steam cylinder, No. 5150.*—For use on reciprocating steam engines using dry saturated steam. For noncondensing steam engine cylinder lubrication (valve oil).

*Mineral steam cylinder, superheated.*—For use on reciprocating steam engines using superheated steam.

*Neatsfoot.*—For softening and preserving leather.

*Solvent.*—Rust-preventing lubricant, for general use.

*Sperm.*—Used principally by U. S. Navy.

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL  
PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.



*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXIII Balboa Heights, C. Z., May 15, 1940 No. 10

## Traffic Through the Panama Canal in April 1940

The total vessels of all kinds transiting the Panama Canal during the month of April 1940, and for the same month in the two preceding years, are shown in the following tabulation:

	April 1940			April	
	Atlantic to Pacific	Pacific to Atlantic	Total	1939	1938
Ocean-going commercial traffic.....	182	194	376	496	487
Small commercial vessels <sup>1</sup> .....	43	41	84	62	91
Noncommercial vessels:					
United States Government.....	40	32	72	119	28
For repairs.....	4	3	7	3	3
Total.....	269	270	539	680	609

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC<sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the twelve-month period ended April 30, 1940, as compared with the corresponding period ended April 30, 1939:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39
May.....	506	465	2,341,894	2,150,228	2,538,949	2,309,171	\$2,053,502.16	\$1,886,825.66
June.....	479	445	2,268,679	2,064,793	2,437,087	2,122,389	1,977,431.94	1,801,291.78
July.....	485	429	2,254,398	1,933,816	2,317,697	2,025,660	1,974,380.72	1,694,205.00
August.....	490	468	2,247,009	2,177,699	2,385,039	2,171,674	1,964,776.48	1,890,050.74
September.....	457	438	2,119,418	2,005,241	2,445,700	1,998,464	1,855,574.22	1,741,895.46
October.....	458	494	2,068,665	2,276,194	2,386,314	2,359,673	1,815,210.24	1,977,706.76
November.....	489	505	2,178,556	2,302,333	2,472,503	2,223,830	1,915,075.38	1,984,014.72
December.....	489	509	2,116,424	2,336,011	2,361,176	2,374,395	1,840,096.98	2,031,017.04
January.....	466	525	2,056,568	2,380,916	2,337,943	2,393,360	1,795,241.88	2,062,454.16
February.....	402	501	1,782,977	2,282,318	2,123,574	2,206,963	1,567,416.06	1,996,735.66
March.....	470	553	2,099,902	2,586,580	2,279,432	2,664,068	1,832,416.98	2,252,156.28
April.....	376	496	1,704,951	2,278,326	2,081,483	2,472,504	1,508,200.86	1,999,851.16
Total.....	5,567	5,828	25,239,441	26,774,455	28,166,897	27,322,151	22,099,323.90	23,318,204.42

<sup>2</sup> Ocean-going commercial traffic includes only toll-paying vessels of 300 net tons and over, Panama Canal measurement.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 tons measurement (Panama Canal net), which transited the Panama Canal during the month of April 1940. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	43	1,760	\$1,334.34	322
Pacific to Atlantic.....	41	1,495	1,330.56	1,554
Total.....	84	3,255	2,664.90	1,876

Traffic by Nationality of Vessels<sup>3</sup> for April 1940

Nationality	No. of vessels	Panama Canal net tonnage	Tolls	Tons of cargo
British	67	388,493	\$347,959.92	368,057
Chilean	5	18,992	16,747.56	15,459
Colombian	1	452	325.44	
Danish	6	22,929	20,636.10	30,332
Egyptian	2	7,959	6,493.50	7,450
French	6	18,278	16,450.20	25,826
Greek	14	61,071	53,456.76	94,496
Honduran	8	14,369	11,878.56	4,710
Italian	4	30,667	27,600.30	14,913
Japanese	20	117,380	105,642.00	136,353
Latvian	2	6,344	5,709.60	12,025
Netherlands	25	52,313	45,604.44	56,740
Nicaraguan	1	369	332.10	769
Norwegian	37	158,585	136,847.34	177,649
Panamanian	14	14,884	13,395.60	22,882
Philippine	2	9,749	8,774.10	10,866
Rumanian	2	7,168	6,451.20	13,206
Swedish	7	31,051	27,156.75	47,814
United States	153	743,898	656,739.36	1,041,936
Total	376	1,704,951	1,508,200.86	2,081,483

<sup>3</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>4</sup> Includes one naval vessel of 18,150 displacement tons.

## Traffic by Trade Routes for April 1940

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	43	203,769	229,549	39	193,875	326,355
East coast United States and:						
Canada	1	2,118		3	11,909	19,275
Central America/Mexico	5	11,925	13,690	5	9,440	7,963
South America	29	137,317	85,987	26	110,825	236,175
Hawaiian Islands	2	8,768	11,244	5	23,099	36,248
Australasia	6	34,308	36,753			
Philippine Islands	7	36,373	43,972	15	77,920	112,588
Far East	15	80,970	119,173	7	37,399	46,197
East coast Canada and Australasia	4	24,337	24,072	3	16,123	20,166
South America intercoastal	5	6,566	5,055			
East coast South America and:						
United States	3	15,076	8,557			
Canada	1	4,567	6,135			
Far East	2	9,571	10,237	3	13,045	8,634
Cristobal and:						
United States				1	6,801	12,307
Central America/Mexico	5	3,908	3,315	4	2,640	2,530
South America	12	9,950	10,301	16	11,772	13,490
West Indies and:						
United States				2	8,085	15,864
South America	4	14,824	25,715			
Balboa	2	13,377	25,218			
Europe and:						
United States	6	32,736	5,066	3	12,498	19,851
Canada	10	49,718	10,770	21	100,957	166,008
South America	9	41,937	18,293	16	89,261	119,105
Australasia	8	66,865	32,945	12	97,247	95,207
Far East	1	5,288	3,226	1	6,015	6,735
Egypt and west coast South America				7	35,932	61,251
Africa and west coast Canada				1	4,570	5,295
Around the world	1	7,319	6,036	2	12,660	14,930
Vessels not engaged in commerce	5	384		2	407	
Total	182	822,471	735,309	194	882,480	1,346,174

<sup>5</sup> Salvage tug.



**Origin and Destination of Cargo by Major Areas, April 1940**

The following table summarizes the origin of cargo passing through the Canal in April 1940, and its destination by major geographical trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States .....	234,765	26,717	161,714	82,861	34,951	541,008
Other North America .....	2,387	29,571	79	40,202	25,874	98,113
Europe .....	8,348	6,479	3,226	16,550	32,945	67,548
Miscellaneous .....	13,063	1,041	9,441	5,095		28,640
<b>Total .....</b>	<b>258,563</b>	<b>63,808</b>	<b>174,460</b>	<b>144,708</b>	<b>93,770</b>	<b>735,309</b>

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States .....	326,459	33,221	42,930	15,306	417,916
Canada .....	19,275	75	140,281	3,985	163,616
Other North America .....	45,508	3,109	2,287		50,904
South America .....	235,255	15,410	118,099	61,257	430,021
Australasia .....	5,553	14,613	95,207		115,373
Asia .....	155,227	4,322	4,075	4,720	168,344
<b>Total .....</b>	<b>787,277</b>	<b>70,750</b>	<b>402,879</b>	<b>85,268</b>	<b>1,346,174</b>

**Principal Commodities**

Commodities in transit through the Canal which aggregated 10,000 or more tons either during April 1940 or April 1939, are listed below:

Commodity	April		Commodity	April	
	1940	1939		1940	1939
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts .....	9,056	18,405	Canned food products .....	88,477	97,554
Automobile parts .....	10,272	12,947	Coffee .....	14,837	15,902
Cement .....	7,086	12,598	Cold storage (food products) <sup>6</sup> .....	58,498	31,735
Chemicals .....	10,784	10,940	Flour .....	19,976	11,139
Coal and coke .....	65,473	5,158	Fruit, dried .....	9,280	17,813
Cotton, raw .....	16,368	15,444	Fruit, fresh <sup>7</sup> .....	9,484	46,407
Iron and steel .....	154,576	147,478	Lumber .....	256,947	307,053
Machinery .....	13,903	14,973	Metals, various .....	80,099	66,714
Metals, various .....	14,708	16,953	Nitrates .....	177,832	170,861
Oils, mineral .....	97,478	65,440	Oats .....	2,583	12,281
Paper .....	40,471	31,923	Oils, mineral .....	114,238	204,826
Phosphates .....	6,706	26,712	Oils, vegetable .....	18,815	21,255
Railroad material .....	5,216	11,172	Ores .....	152,580	176,475
Scrap metal .....	19,314	138,565	Paper .....	12,665	10,894
Sulphur .....	16,152	28,131	Phosphates .....		30,909
Tinplate .....	22,011	20,464	Rubber, raw .....	24,069	1,935
<i>Pacific to Atlantic</i>			Sugar .....	104,187	124,845
Asphalt and tar .....	17,028	10,565	Wheat .....	27,579	124,735
Barley .....	1,495	17,208	Wood pulp .....	17,472	22,137
Beans, edible, dry .....	13,468	10,520	Wool .....	22,473	16,325

<sup>6</sup> Except fruit. <sup>7</sup> Except bananas.

**Commodities in Detail**

The following statement lists all commodities passing through the Canal during the month of April 1940, as reported in the cargo declarations showing the movement by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts		5	108	19
Agricultural implements	621		1,801	61
Alfalfa meal		231		231
Ammonium compounds	395		9,470	
Animal foods <sup>8</sup>	168	140	168	182
Apparel, wearing (hats, shoes, clothing, etc.)		14	1	45
Asbestos	558		3,495	2
Asphalt and tar	252	15,284	7,196	17,028
Automobiles (and autotrucks)	1,226	12	4,935	14
Automobile parts and accessories	667		4,121	61
Bags and bagging, textile	282	30	358	68
Bamboo and products		42		249
Bananas				3,928
Barks, miscellaneous				764
Barley		38	23	1,495
Beans, edible, dry	29	3,328	31	13,468
Beer	81		253	
Beverages, nonalcoholic	107		107	
Blood and tankage			55	198
Bones and bone meal		72	746	72
Books and printed matter	30	12	40	12
Borax	506	334	571	5,084
Bran and pollards		22		481
Bricks and tile	123		1,632	38
Canned and preserved goods:				
Fish	257	5,554	412	11,185
Fruit	2,219	22,848	2,465	54,456
Meat	18	95	2,393	631
Milk		56	177	218
Soup	1,361		1,387	3
Vegetables	564	9,882	634	10,109
Miscellaneous and unclassified	2,513	11,603	2,804	11,875
Carbon black		9	823	331
Cement	328	46	7,086	46
Chalk			375	
Charcoal	50		188	26
Chemicals <sup>8</sup>	5,618	707	10,784	3,727
Clay, china and fire	695	99	1,195	169
Clay, filtering	466	183	475	564
Coal	1,465		63,573	
Cocoa and cacao beans	176		1,007	1,640
Coconuts and products <sup>8</sup>	46	713	99	1,828
Coffee	334	47	9,030	14,837
Coke			1,900	24
Cold storage and refrigerated products:				
Dairy products		17	347	16,984
Eggs		6		118
Fish			6	404
Lard	433		639	10
Meats		85	46	40,567
Vegetables			28	221
Other and unclassified	110	26	133	194
Confectionery	1,289	56	1,334	59
Copra				284
Copra meal and cake				1,832
Cotton, raw	14	171	16,368	6,758
Crocote			41	111
Drugs and medicines	2,351		2,698	143
Dyes			364	5
Earthenware	226	82	226	82
Eggs, dried	43		43	
Electrical apparatus and appliances	1,594	190	3,280	313
Enamel and metalware	834	3	1,310	214
Explosives	126	20	335	22
Extract, quebracho			2,231	
Fertilizers <sup>8</sup>	624	40	1,371	303
Fish meal				92
Floor coverings	1,933	447	2,211	1,024
Flour	88	13,171	1,134	19,976
Fruit, dried		7,590	1	9,280
Fruit, fresh <sup>8</sup>		656	3	9,484
Furniture and household goods	393		411	61
General	11,675	2,810	50,793	10,273
Glass and glassware	1,916	33	3,323	360
Glue	86	65	86	70
Grains <sup>8</sup>			123	
Groceries	1,665	436	2,628	669
Gums			37	573
Hair, all kinds	49	35	61	148
Hay				17

<sup>8</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Hemp, unmanufactured		145	85	3,752
Honey		51		205
Horns and hoofs				49
Infusorial earth		44		1,121
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	86,119	38	154,576	3,072
Ivory nuts				1,677
Jute, unmanufactured	13		24	
Lard substitute	473		473	
Liquors	5,398	270	7,037	273
Lumber (including manufactured mill products)	3,257	126,438	4,705	256,947
Machinery	1,976	232	13,903	1,173
Malt	23		246	
Manufactured goods <sup>8</sup>	10,520	267	22,363	681
Marble and granite			296	
Matches	358	197	423	200
Metals:				
Antimony		91	27	116
Copper	429	3,272	3,800	46,274
Gold and silver			3	75
Iron	432	18	4,691	427
Lead		652	1,541	14,649
Tin	374	39	1,673	4,469
Zinc	213	10	1,675	11,949
Other and unclassified	619	24	1,298	2,140
Milk, powdered		241		835
Molasses and syrups	361		566	560
Nitrate	8,306		9,284	177,832
Nuts, edible (including meats)		449	309	591
Oats	110	251	122	2,583
Oils, mineral:				
Crude		10,982	10,869	44,841
Gas and fuel			51,142	12,307
Gasoline, benzine, and naphtha		40,949	4,951	41,857
Kerosene			2,691	12,309
Lubricating and greases	6,666	771	27,767	2,919
Other and unclassified	45		58	5
Oils, vegetable:				
Coconut			64	14,217
Cottonseed		11	27	11
Linseed	34		214	
Olive	315	32	641	50
Peanut	64		64	1,124
Teaseed				44
Wood	52	9	65	1,674
Other and unclassified	102	42	254	1,695
Oil, fish		13	1	1,992
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)		2	3,810	1,660
Oilseed cake and meal	2,282	20	2,282	4,578
Ores:				
Antimony			25	377
Chrome				12,500
Copper		225		1,450
Gold and silver	21		58	72
Iron	71	538	71	110,438
Lead				3,501
Magnesite		3,803		5,903
Manganese	80	306	80	5,321
Tin				6,686
Zinc			32	3,162
Other and unclassified	19	4	280	3,170
Paints and varnishes	1,907	160	3,553	372
Paper and paper products <sup>8</sup>	11,556	6,888	40,471	12,665
Peanuts	1,343		1,343	68
Peas, dry		255		876
Peatmoss			175	
Phosphates	1,790		6,706	
Plaster			33	
Porcelainware	347	112	840	2,523
Potash	20	927	1,065	1,462
Pyrethrum flowers				75
Rags and waste	334	10	989	332
Railroad material	2,466		5,216	
Rice	1,233	256	1,437	7,018
Rope and twine	649	27	688	169
Rosin	2,088		3,053	
Rubber:				
Manufactured	922	110	1,409	470
Raw			129	24,069
Scrap			1,109	5

<sup>8</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Salt.....	290	622	2,363	622
Sand.....	57		3,205	2,727
Scrap metal.....	221	146	19,314	227
Seeds (except oilseeds).....		53	1,479	439
Shells, all kinds.....	1,033		1,210	227
Silk, raw.....		47	15	438
Skins and hides.....	3	1,371	736	3,748
Slate.....			8,400	
Slate.....	413		413	
Soaps and products.....	2,845	91	2,875	192
Soda and sodium compounds:				
Soda ash.....	424		756	1,242
Soda, caustic.....	777		1,361	
Miscellaneous and unclassified.....	502		1,354	230
Soy beans.....	121		121	
Spices.....	374	12	485	36
Sugar.....	34	11,930	42	104,187
Sulphur.....	10,355	107	16,152	111
Talc.....	60	203	81	891
Tallow.....	65	166	65	2,801
Tea.....	37	6	85	522
Textiles <sup>9</sup> .....	4,288	14	7,001	3,358
Tinplate.....	11,399		22,011	9
Tobacco and manufactures.....	400	53	4,217	83
Toilet preparations.....	215	28	215	114
Turpentine.....	350		402	
Vegetables, dry <sup>8</sup> .....				492
Wall board.....			264	1,391
Wax, paraffin.....	128		505	1,643
Wheat.....		45	131	27,579
Wines.....	222	1,306	458	1,483
Wood pulp.....	161	11,837	2,975	17,472
Wool.....		1,859	301	22,473
Total, April 1940.....	234,765	326,459	735,309	1,346,174
Total, April 1939.....	226,325	395,030	784,924	1,687,580
Total, April 1938.....	165,861	268,629	878,757	1,400,478

<sup>8</sup> Except as otherwise classified.<sup>9</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of April 1940:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	4	25,563		5	34,284	<sup>10</sup> 67,163
East coast United States and:						
Central America/Mexico.....	1	5,049	9,593			
South America.....				2	3,256	
Philippine Islands.....				1	3,864	<sup>11</sup> 6,700
South America intercoastal.....	1	4,359	3,500			
Cristobal and United States.....				1	6,801	12,307
West Indies and:						
United States.....				1	5,771	12,269
South America.....	2	13,347	24,584			
Balboa.....	2	13,377	25,218			
Europe and:						
United States.....	1	7,720				
South America.....	2	10,970		3	17,483	34,561
Total.....	13	80,385	62,895	13	71,459	133,000

<sup>10</sup> Includes 15,232 tons of euthack asphalt.<sup>11</sup> Coconut oil.

### Ships' Chandlery Supplies

Panama Canal Storehouses carry a complete line of ships' chandlery supplies available for sale to ships.

### Comparison of Canal Traffic in April 1940, with April Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of April			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915	12 116	(000 omitted) 374	(000 omitted) 521	1915	13 100	(000 omitted) 334	(000 omitted) 466
1916	69	216	366	1916	60	184	258
1917	146	485	628	1917	145	447	588
1918	168	501	627	1918	165	506	627
1919	158	445	507	1919	162	472	576
1920	207	759	867	1920	199	659	781
1921	222	883	908	1921	232	879	966
1922	225	901	1,046	1922	222	880	907
1923	399	1,856	2,187	1923	325	1,434	1,631
1924	395	1,898	2,159	1924	429	2,016	2,249
1925	372	1,702	1,951	1925	382	1,761	1,996
1926	417	1,893	2,237	1926	424	1,909	2,169
1927	449	2,056	2,429	1927	441	2,020	2,311
1928	510	2,203	2,473	1928	521	2,269	2,468
1929	532	2,300	2,718	1929	524	2,299	2,554
1930	479	2,292	2,456	1930	502	2,310	2,502
1931	437	2,119	2,009	1931	447	2,140	2,089
1932	347	1,722	1,442	1932	364	1,820	1,650
1933	337	1,700	1,526	1933	347	1,758	1,513
1934	469	2,306	2,291	1934	436	2,201	2,059
1935	432	2,090	2,079	1935	432	2,143	2,109
1936	482	2,298	2,430	1936	449	2,160	2,209
1937	473	2,276	2,653	1937	467	2,224	2,507
1938	487	2,259	2,279	1938	460	2,163	2,282
1939	496	2,278	2,472	1939	492	2,264	2,322
1940	376	1,705	2,081	1940 (10 months)	458	2,063	2,319

<sup>12</sup> Canal opened August 15, 1914.

<sup>13</sup> Average for 10½ months.

### Terminal Activities

Ships repaired during the month of April 1940 numbered 53. Vessels released from drydock numbered 11. Fuel oil amounting to 502,050 barrels was delivered as bunkers to 184 commercial vessels. Bunker coal amounting to 11,434 tons was delivered to 23 commercial vessels. Sales of commissary supplies to ships aggregated \$48,300.

### Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons	42,047	16,805	58,852
Local cargo shipped..... tons	2,668	532	3,200
Cargo received for transshipment..... tons	56,535	743	57,278
Cargo transhipped..... tons	57,706	498	58,204
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	3	0	3
Number of releases issued.....	28	12	40
Tons received.....	75	0	75
Tons withdrawn.....	33	4	37

### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal	478	2,713,903	1,654,706	423	2,374,262	1,453,414
Vessels entering port but not transiting Canal	60	271,599	150,343	18	28,174	16,732
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	108	623,705	371,828	75	542,159	324,675
<i>Ships clearing</i>						
All vessels, including those transiting Canal	476	2,690,189	1,635,512	433	2,400,686	1,471,918
Vessels clearing port but not transiting Canal	56	258,607	142,641	18	30,063	18,503
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	113	648,812	386,343	75	535,626	319,051

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month of April 1940. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

San Vicente, 468, 138	Contessa, 291, 367	West Ira, 254, 605	Manto, 443, 326	Margaret Johnson, 79,
Choluteca, 1,022, 913	Hibueras, 509, 41	Real, 0, 35	San Diego, 0, 326	0
Margaret Lykes, 942,	Kirsten B, 252, 44	Tuira, 0, 77	Veragua, 1,034, 179	Ceres, 3,651, 0
290	Santa Clara, 81, 52	Francis R. Hart, 0, 1	Dido, 0, 100	Kiyokawa Maru, 2,221
Cefalu, 718, 202	Orbita, 2, 142	Andino, 20, 0	Tolosa, 669, 64	41
Auditor, 437, 0	American Legion, 951,	Draco, 0, 499	Margrethe Bakke, 1, 0	R. L. Hustler, 2, 0
Nemours, 558, 1	61	Tillie Lykes, 1,175, 997	Yamazuki Maru, 642, 0	City of Los Angeles, 1,
Benjamin Franklin, 45,	Komaki Maru, 371, 1	Cefalu, 603, 180	La Paz, 6, 1,579	0
225	Rialto, 258, 2,538	Real, 0, 17	Stuyvesant, 88, 554	Turrialba, 1,780, 0
Platano, 2,767, 1	Acajutla, 483, 736	Platano, 1,732, 0	Manto, 3, 0	Nero, 107, 217
Panama, 4,948, 530	Salvador, 918, 0	Aucon, 4,981, 761	Contessa, 953, 309	West Notus, 55, 0
Nero, 547, 776	Arica, 1,379, 22	Nemours, 0, 210	Choluteca, 409, 435	Argual, 230, 230
Santa Barbara, 290, 38	Santa Teresa, 559, 391	Santa Ana, 343, 180	Dramatist, 190, 0	Notos, 1,299, 807
Dido, 90, 172	Musa, 2,429, 1	Republic, 331, 1	Sorholt, 21, 1	Margaret Lykes, 3,235,
Veragua, 80, 1,367	Cristobal, 3,283, 320	Santa Maria, 41, 3	Santa Lucia, 22, 10	1
Kaikoura, 119, 0	Santa Elena, 188, 9	Relief, 70, 4	Kirisima Maru, 513, 1	Chippana, 288, 0
Colombia, 1,226, 760	Tuira, 0, 10	Amerikaland, 0, 2	Oberon, 1,077, 3,278	Villanger, 139, 924
Real, 0, 7	Aveyron, 0, 1,456	Svealand, 0, 1	Cotica, 49, 1,292	Inspiration, 0, 30
Sixaola, 1,276, 118	Virgilio, 238, 11	Sofie Bakke, 11, 0	Musa, 2,247, 0	Taru, 326, 0
Agamemnon, 664, 2,936	Jamaica, 399, 113	Socrates, 1, 0	Panama, 5,901, 670	Pendrecht, 0, 12
Aconagua, 267, 787	Notos, 41, 978	President Polk, 1, 0	Ivaran, 229, 0	Olancho, 465, 400
Draco, 658, 542	Chiriqui, 79, 1,121	Santa Ana, 0, 1	Imperial, 122, 36	Oropesa, 0, 78
Quirigua, 295, 246	San Antonio, 215, 1,508	Nora, 1, 0	Trojan Star, 57, 0	Silverwillow, 1,134, 1
Liberty, 0, 527	Colombia, 1,077, 775	Tucker McClure Barge	Ord. Dept., Corozal, 0	Tosan Maru, 1,017, 0
Lagarto, 0, 296	Belray, 0, 1	No. 207, 11, 0	28	Buenos Aires Maru,
Pereira, 282, 863	Esso Panama, 0, 20	Chateau Thierry, 552,	Iowan, 7, 0	434, 330
Manoeran, 579, 0	Lotta, 0, 1	129	Crawford Ellis, 0, 599	A. A. Radium, 1, 0
Abraham Lincoln, 104,	Nemours, 207, 1	Sinaloa, 1,161, 0	Chiriqui, 976, 69	Cefalu, 849, 177
769	Doros, 61, 982	Salvador, 1, 400	Santa Clara, 440, 26	Orduna, 86, 0
Lightning, 39, 0	Argual, 110, 729	Daytonian, 322, 0	Rita, 50, 10	Colombia, 1,309, 625
Istmo, 0, 8	Santa Marta, 1,711, 46	Talamanca, 109, 1,734	Quirigua, 86, 1,441	Roda, 1, 0
Oremar, 1,213, 0	San Jose, 622, 334	Stuyvesant, 431, 36	Pereira, 697, 0	Balboa, 1, 0
Hunter Liggett, 104,	Dido, 584, 0	Nankai Maru, 280, 229	Pereira, 705, 927	Kongo Maru, 1, 0
142	Manto, 603, 2	Colombia, 1,059, 833	Britanny, 578, 862	Tachira, 1, 0
Ecuador, 388, 510	Hibueras, 0, 374	Arizona, 7, 0	Plato, 361, 887	Van Rensselaer, 0, 25
Anna Maersk, 238, 329	Orotava, 1,120, 0	Tuyama Maru, 0, 1	Real, 0, 17	Nevada, 115, 65
Augustus, 10, 1,093	Margaret Johnson, 725,	Plato, 0, 257	Sambu, 0, 85	Brandanger, 0, 16
Copiapo, 7, 2	288	Pasajero, 0, 12	Zacapa, 1,542, 283	Santa Elena, 1, 0
Nosiro Maru, 283, 159	Comayagua, 571, 701	Kirsten B, 850, 664	Ludington, 3,682, 0	
Socrates, 8, 4,909	Leonard Wood, 65, 104	Draco, 553, 196		

#### BALBOA

Esso Panama, 13, 0	City of Newport News,	Acajutla, 0, 3	Rangitata, 1, 0	Victoria, 28, 0
British Columbia Ex-	78, 1	Emma Bakke, 0, 1	Santa Ana, 432, 2	Santa Clara, 46, 17
press, 1,594, 0	San Antonio, 1,435, 0	Aconagua, 0, 2	Rakuyo Maru, 227, 14	Taru, 71, 0
Santa Ana, 6, 0	Santa Clara, 46, 2	Komaki Maru, 1, 0	Colon, 31, 0	Montevideo Maru, 0,
Liberty, 3,401, 103	Hunter Liggett, 245, 0	Augustus, 3, 0	Chateau Thierry, 857,	14
Tela, 0, 1	Washington Express,	Waipawa, 1, 0	147	Dona Nati, 0, 1
Santa Ana, 256, 0	763, 6	Copiapo, 2, 1	Santa Maria, 3, 1	Colombia, 1, 0
Tampa, 68, 0	Santa Elena, 254, 37	Tamesis, 0, 1	Colombia, 2, 0	Ludington, 3,960, 0
Santa Barbara, 196, 28	Santa Teresa, 244, 6	Salvador, 2, 0	Dido, 0, 26	City of Baltimore, 60, 1
City of Baltimore, 2, 9	Fortuna, 78, 0	Andino, 0, 1	Santa Lucia, 32, 16	Kiyokawa Maru, 1, 0
American Legion, 2,114,	President Polk, 0, 5	Navigator, 0, 1	L. P. St. Clair, 169, 0	Connector, 135, 0
54	Relief, 0, 13	Arimasan Maru, 3, 0	Tela, 1, 0	Buenos Aires Maru, 1,
Dido, 0, 238	Pereira, 0, 5	Virgilio, 0, 1	Ivaran, 51, 0	0
Trontolite, 0, 3	Norden, 1, 0	Sakito Maru, 0, 1	Kirsten B, 0, 3	Inspiration, 0, 1
Anna Maersk, 88, 0	Salvador, 2, 0	Donna Aurora, 0, 1	Kirisima Maru, 1, 0	
Draco, 0, 157	Orotava, 6, 0	Republic, 488, 20	Acajutla, 2, 0	
	Colombia, 1, 0	Leonard Wood, 37, 80	Imperial, 2, 2	

NOTE.—Figures shown represent short tons of 2,000 pounds.

### Passengers

During April 1940, ocean-ship passengers debarking at Cristobal numbered 2,503; embarking, 1,728; at Balboa, 1,235 debarking and 981 embarking. Passengers passing through the Canal from the Atlantic to the Pacific, 3,867, from the Pacific to the Atlantic, 2,252. Commercial aircraft numbering 60 entered Cristobal with 461 passengers debarking; clearances were 57 with 411 passengers embarking. Balboa entries of aircraft numbered 60 with 235 passengers debarking; clearances were 60 with 169 passengers embarking.

















## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Port Melbourne	7	9	Brit	Port Line, Ltd.	Adelaide, Aust <sup>1</sup> lia	United Kingdom	Frozen, gen.	8,067
Sage Brush	7	8	Amer.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Wilmington, N.C.	Nitrate	7,940
Red Jacket	7	8	Amer.	Waterman S. S. Corp.	Manila, P. I.	New Orleans, La.	Sugar, gen.	8,322
Everelza	7	9	Latv.	Chile Nit. Sales Corp.	Antofagasta, Chile	Savannah, Ga.	Nitrate	6,486
Agvaldale	8	8	Amer.	Isthmian S. S. Lines.	Honolulu, T. H.	New York, N. Y.	Sugar, cance.	5,697
Adelfotis	8	9	Greek	Chile Nit. Sales Corp.	Iquique, Chile.	Azores <sup>14</sup>	Nitrate	7,825
Floridan	8	9	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,390
Crawdord Ellis	9		Nor.	United Fruit Co.	Golfito, C. R.	Cristobal, C. Z.	( <sup>15</sup> )	372
Kinka Maru <sup>2</sup>	8	10	Jap.	Kokusai Kisen Kaisya	Manila, P. I.	New York, N. Y.	General.	8,326
President de Vogue, <sup>1 2</sup>	9	9	Nor.	Comp. des Prod. Chim.	Talara, Peru.	France	Crude oil.	13,437
Caradoc <sup>12</sup>	9	9	Brit	British Government	High seas.	High seas.		
Harry Luckenbach.	9	9	Amer.	Luckenbach Line	Townsend, Wash.	Boston, Mass.	Lumber, gen.	9,763
Argentina <sup>13</sup>	5	10	Urug.	Comp. Arg.-Uru., N. Y.	S. Francisco, Cal.	Montevideo, Uru.		
San Aouselmo	9	10	Amer.	States S. S. Co.	Portland, Oreg.	Philadelphia, Pa.	( <sup>16</sup> )	7,810
Cranford	9	10	Amer.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Wilmington, N. C.	Nitrate	9,200
Colombia <sup>2</sup>	9		Pan.	Elliot Ship. & Land Co.	B'ventura, Cal.	Cristobal, C. Z.	Coffee, gen.	549
Santa Teresa	10	10	Amer.	Grace Line.	San Antonio, Chile.	New York, N. Y.	Copper, ores.	8,433
Mussolini <sup>2</sup>	10		Pan.	E. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas.	57
Ville de Verdun	10		Fr.	Messageries Marit'es.	Noumea, N. Caled	Marseilles, Fr.	( <sup>17</sup> )	5,248
Colon <sup>2</sup>	10		Pan.	E. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	33

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>12</sup> Cruiser. <sup>13</sup> Ferryboat. <sup>14</sup> For orders. <sup>15</sup> Coffee, logs, bullion. <sup>16</sup> Lumber, pulp, general. <sup>17</sup> Copper, nickel, general.

### Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices to individuals and companies, as of May 13, 1940:

Commodities	Unit	Price
Brass, bar, average	Lb.	\$0.20
Brass, sheet, average	Lb.	.31
Bronze, Tobin, average	Lb.	.22
Gasoline, motor grade	Gal.	.13
Metal, yellow	Lb.	.27
Oakum, Navy, spun	Lb.	.20
Oakum, Navy, unspun	Lb.	.17
Oil, gun and ice machine	Gal.	.31
Oil, engine, gas, light, in drums, No. 2135	Gal.	.28
Oil, engine, gas, extra heavy, in cases, No. 2250	Gal.	.31
Oil, engine, gas, extra heavy, in drums, No. 2250	Gal.	.26
Oil, kerosene, in drums	Gal.	.11
Oil, marine, engine	Gal.	.54
Paint, lead, white, dry	Lb.	.11
Paint, lead, white, in oil	Lb.	.10
Paint, zinc oxide, dry	Lb.	.07
Paint, zinc oxide, in oil	Lb.	.11
Grease, gear, chain and wire rope, lubricating	Lb.	.05
Grease, yellow, cup, medium	Lb.	.06
Grease, yellow, cup, hard	Lb.	.06
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.09
Waste, cotton, white	Lb.	.10

### Current Net Prices on Fuel Oil and Diesel Oil

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from the tanks of the Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.20 per barrel at Cristobal and Balboa; Diesel oil, \$2.00 per barrel at Cristobal and Balboa.

### Hours of Departure of Passenger Trains

Following are the hours of departure of the regular passenger trains of the Panama Railroad running between the Atlantic and the Pacific sides:

From Colon: Daily, 7:00 a. m.; 11 a. m.; 5 p. m.; 10 p. m.

From Panama: Daily, 7:05 a. m.; 1:10 p. m.; 5 p. m.; 7:55 p. m.

The time required for passage from one terminal to the other is 1 hour and 25 minutes.

### Binders for The Panama Canal Record

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.



*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXIII Balboa Heights, C. Z., June 15, 1940 No. 11

## Traffic Through the Panama Canal in May 1940

The total vessels of all kinds transiting the Panama Canal during the month of May 1940, and for the same month in the two preceding years, are shown in the following tabulation:

	May 1940			May	
	Atlantic to Pacific	Pacific to Atlantic	Total	1939	1938
Ocean-going commercial traffic .....	206	213	419	506	465
Small commercial vessels <sup>1</sup> .....	48	44	92	78	81
Noncommercial vessels:					
United States Government .....	41	14	55	43	42
Colombian Government .....				1	
For repairs .....	1	2	3	3	7
<b>Total .....</b>	<b>296</b>	<b>273</b>	<b>569</b>	<b>631</b>	<b>595</b>

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC <sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the twelve-month period ended May 31, 1940, as compared with the corresponding period ended May 31, 1939:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39
June .....	479	445	2,268,679	2,064,793	2,437,087	2,122,389	\$1,977,431.94	\$1,801,291.78
July .....	485	429	2,254,398	1,933,816	2,317,697	2,025,660	1,974,380.72	1,694,205.00
August .....	490	468	2,247,009	2,177,699	2,385,039	2,171,674	1,964,776.48	1,890,050.74
September .....	457	438	2,119,418	2,005,241	2,445,700	1,998,464	1,855,574.22	1,741,895.46
October .....	458	494	2,068,665	2,276,194	2,386,314	2,359,673	1,815,210.24	1,977,706.76
November .....	489	505	2,178,556	2,302,333	2,472,503	2,223,830	1,915,075.38	1,984,014.72
December .....	489	509	2,116,424	2,336,011	2,361,176	2,374,395	1,840,096.98	2,031,017.04
January .....	466	525	2,056,568	2,380,916	2,337,943	2,393,360	1,795,241.88	2,062,454.16
February .....	402	501	1,782,977	2,282,318	2,123,574	2,206,963	1,567,416.06	1,996,735.66
March .....	470	553	2,099,902	2,586,580	2,279,432	2,664,068	1,832,416.98	2,252,156.28
April .....	376	496	1,704,951	2,278,326	2,081,483	2,472,504	1,508,200.86	1,999,851.16
May .....	419	506	1,871,095	2,341,894	2,319,372	2,538,949	1,648,035.78	2,053,502.16
<b>Total .....</b>	<b>5,480</b>	<b>5,869</b>	<b>24,768,642</b>	<b>26,966,121</b>	<b>27,947,320</b>	<b>27,551,929</b>	<b>21,693,857.52</b>	<b>23,484,880.92</b>

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons and over, Panama Canal measurement.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 tons measurement (Panama Canal net), which transited the Panama Canal during the month of May 1940. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific .....	48	1,970	\$1,493.46	241
Pacific to Atlantic .....	44	2,009	1,776.24	1,809
<b>Total .....</b>	<b>92</b>	<b>3,979</b>	<b>3,269.70</b>	<b>2,050</b>

Traffic by Nationality of Vessels<sup>3</sup> for May 1940

Nationality	No. of vessels	Panama Canal net tonnage	Tolls	Tons of cargo
Argentine	<sup>4</sup> 1		\$3,977 00	
British	<sup>5</sup> 82	438,322	378,949 22	357,953
Chilean	4	17,070	15,363 00	16,080
Colombian	2	904	732 24	774
Egyptian	1	3,720	3,348 00	6,860
French	7	28,345	25,510 50	18,307
Greek	11	50,482	42,850 62	61,227
Honduran	6	9,406	7,246 62	4,384
Italian	4	30,133	27,119 70	15,615
Japanese	20	120,053	106,892 28	145,526
Latvian	1	3,205	2,884 50	6,486
Mexican	<sup>6</sup> 1		800 00	
Netherland	29	48,543	41,895 18	47,697
Nicaraguan	2	738	597 78	786
Norwegian	32	145,590	126,778 86	198,077
Panamanian	17	22,593	19,140 66	24,113
Philippine	1	4,805	4,324 50	8,452
Swedish	6	25,534	20,618 64	48,960
United States	191	920,421	\$18,120 16	1,358,075
Uruguayan	1	1,231	886 32	
Total	419	1,871,095	1,648,035 78	2,319,372

<sup>3</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>4</sup> Naval vessel of 7,954 displacement tons.

<sup>5</sup> Includes 2 naval vessels of 10,600 displacement tons.

<sup>6</sup> Naval vessel of 1,600 displacement tons.

## Traffic by Trade Routes for May 1940

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	44	200,434	248,607	53	246,635	406,937
East coast United States and:						
Canada	2	10,876		3	9,120	8,600
Central America	5	7,088	10,178	3	2,982	
South America	25	119,600	82,107	29	138,232	328,704
Balboa	1	6,053	11,175			
Hawaiian Islands	7	30,687	34,840	8	36,536	62,174
Australasia	9	47,197	53,068	1	4,393	7,729
Philippine Islands	7	41,694	52,577	23	122,323	186,903
Far East	14	79,665	111,915	4	20,333	30,573
East coast Canada and:						
South America	1	794		1	4,359	7,587
Australasia	3	19,262	21,306	2	10,648	14,260
Philippine Islands	2	12,144	16,765			
Central American intercoastal				1	5,049	
East coast Central America and Far East	2	10,013	17,181			
South American intercoastal	3	7,610	1,560			
East coast South America and:						
United States	2	12,323	5,331	1	1,231	
Philippine Islands				1	5,399	6,174
Far East	2	12,580	10,833			
Cristobal and:						
Central America	5	3,723	3,298	6	4,991	2,564
South America	15	13,914	13,086	21	17,460	17,496
West Indies and:						
United States	3	17,381		2	12,549	26,518
Canada	1	5,299		1	1,579	2,675
South America	6	29,140	56,110	1	6,028	2,015
Balboa	2	3,442	7,780	2	3,442	
Europe and:						
United States	1	3,181		2	11,009	21,191
Canada	23	121,017	15,703	21	106,742	173,106
South America	9	56,514	22,964	8	43,802	72,534
Australasia	6	50,678	29,591	9	71,113	63,016
Far East				2	11,128	11,613



Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
Egypt and:						
Canada .....	1	5,624		1	4,338	6,410
South America .....	1	4,647		2	7,694	14,143
Africa and United States .....				1	4,255	7,000
Around the world .....	2	14,646	13,475			
Foreign vessels in ballast—United States intercoastal .....	1	4,080		1	6,419	
Vessels not engaged in commerce .....	7			3		
<b>Total .....</b>	<b>206</b>	<b>951,306</b>	<b>839,450</b>	<b>213</b>	<b>919,789</b>	<b>1,479,922</b>

<sup>7</sup> Naval vessels.

**Origin and Destination of Cargo by Major Areas, May 1940**

The following table summarizes the origin of cargo passing through the Canal in May 1940, and its destination by major geographical trade areas:

**ATLANTIC TO PACIFIC**

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States .....	264,173	51,932	183,120	79,631	49,377	628,233
Other North America .....	2,264	11,114	17,724	76,414	25,057	132,573
Europe .....	5,818	7,897		17,613	29,531	60,859
Miscellaneous .....	5,493		10,674	1,618		17,785
<b>Total .....</b>	<b>277,748</b>	<b>70,943</b>	<b>211,518</b>	<b>175,276</b>	<b>103,965</b>	<b>839,450</b>

**PACIFIC TO ATLANTIC**

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States .....	408,134	37,276	64,832	7,492	517,734
Canada .....	8,600	2,701	133,416	6,410	151,127
Other North America .....	64,245	2,564			66,809
South America .....	322,796	33,749	71,732	14,202	442,479
Australasia .....	9,937	12,055	63,013		85,005
Asia .....	202,276	4,332	6,504	3,656	216,768
<b>Total .....</b>	<b>1,015,988</b>	<b>92,677</b>	<b>339,497</b>	<b>31,760</b>	<b>1,479,922</b>

**Principal Commodities**

Commodities in transit through the Canal which aggregated 10,000 or more tons during May 1940 or May 1939 are listed below:

Commodity	May		Commodity	May	
	1940	1939		1940	1939
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Ammonium compounds .....	12,169	5,340	Coffee .....	12,657	19,350
Automobiles and parts .....	11,368	23,781	Cold storage (food products) <sup>8</sup> ..	38,422	25,628
Canned food products .....	11,886	10,234	Copra .....	16,984	16,491
Cement .....	6,749	16,875	Flour .....	18,021	13,031
Chemicals, unclassified .....	14,321	16,179	Fruit, dried .....	11,396	23,766
Coal and coke .....	55,408	12,008	Fruit, fresh <sup>9</sup> .....	6,896	41,031
Cotton, raw .....	15,905	18,331	Lumber .....	286,314	318,999
Iron and steel .....	168,219	142,851	Metals, various .....	75,137	58,053
Machinery .....	19,081	15,631	Nitrates .....	144,240	152,956
Metals, various .....	17,483	32,830	Oats .....	2,593	13,400
Oils, mineral .....	117,671	84,598	Oils, mineral .....	147,465	289,781
Paper .....	40,200	32,366	Oils, vegetable .....	10,742	12,526
Phosphates .....	28,709	35,780	Ores .....	228,027	166,729
Scrap metal .....	24,610	124,667	Paper .....	8,869	14,575
Sulphur .....	48,545	13,049	Rice .....	10,003	2,804
Tinplate .....	26,382	23,399	Rubber, raw .....	23,015	2,312
<i>Pacific to Atlantic</i>			Sugar .....	188,478	124,551
Asphalt and tar .....	108	11,549	Wheat .....	24,442	136,700
Barley .....	1,405	18,012	Wood pulp .....	28,821	25,455
Canned food products .....	95,141	91,653	Wool .....	13,442	19,411

<sup>8</sup> Except fresh fruit. <sup>9</sup> Does not include bananas.

## Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of May 1940, as reported in the cargo declarations showing the movement by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo"; the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts			40	132
Agricultural implements	255	3	1,781	3
Alfalfa meal				75
Ammonium compounds	209		12,169	
Animal foods <sup>10</sup>	107		164	11
Apparel, wearing (hats, shoes, clothing, etc.)	60		60	35
Asbestos	477		3,241	
Asphalt and tar	163	8	6,919	108
Automobiles (and autotrucks)	1,599	1	6,111	9
Automobile parts and accessories	1,536	64	5,257	102
Bags and bagging, textile	401	407	604	407
Bamboo and products				621
Bananas				2,142
Barks, miscellaneous			43	251
Barley		59		1,405
Beans, edible, dry	399	4,909	474	9,036
Beer	155		339	
Blood and tankage				414
Bones and bone meal		80	206	80
Books and printed matter	21		21	
Borax		319		8,956
Bran and pollards		180		383
Bricks and tile			515	
Camphor, crude				3
Canned and preserved goods:				
Fish	295	8,028	610	13,080
Fruit	3,968	23,891	4,027	53,578
Meat	72	347	842	841
Milk	7	57	448	585
Soup	2,767	4	2,879	54
Vegetables	808	10,031	836	10,298
Miscellaneous and unclassified	2,094	13,687	2,244	16,705
Carbon black			834	233
Celite	180		180	98
Cement	569	90	6,749	90
Chalk			883	
Charcoal	82	26	102	26
Chemicals <sup>10</sup>	4,316	811	14,321	1,968
Clay, china and fire	177	103	1,559	103
Clay, filtering	672	323	1,019	337
Coal	2,278		50,965	
Cocoa and cacao beans	157	41	599	1,281
Coconuts and products <sup>10</sup>	112	1,011	196	1,984
Coffee	411	112	4,565	12,657
Coke			4,443	
Cold storage and refrigerated products:				
Dairy products		108	262	11,432
Eggs	17		17	51
Fish	4		45	97
Lard	64		81	
Meats	50		114	26,625
Poultry		127		127
Vegetables			2	28
Other and unclassified	55	62	111	62
Confectionery	1,120		1,179	8
Copra				16,984
Corn			1,028	
Cotton, raw	42	97	15,905	3,246
Creosote	22		42	
Drugs and medicines	3,318	577	4,064	745
Dyes	30		101	36
Earthenware	34		838	214
Eggs, dried		13		193
Electrical apparatus and appliances	2,097	465	3,555	655
Enamel and metalware	1,422	40	2,679	96
Explosives	439	50	468	171
Extract, quebracho			1,082	
Fertilizers <sup>10</sup>	705	84	1,272	1,302
Fish, salted or dry-cured				13

<sup>10</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Floor coverings	1,939	940	2,237	985
Flour	164	14,701	1,549	18,021
Fruit, dried	16	6,001	70	11,396
Fruit, fresh <sup>10</sup>		1,739	3	6,896
Furniture and household goods	320	245	388	279
Gallnuts				20
General	15,455	2,874	51,371	9,272
Glass and glassware	2,261	41	3,929	245
Glue	29	93	29	98
Grains <sup>10</sup>		96	1,541	625
Groceries	1,816	552	2,614	1,175
Gums		50		469
Hair, all kinds		153		311
Hay				25
Hemp, unmanufactured	15	120	15	2,807
Honey		62		119
Infusorial earth	175	176	2,160	1,528
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	98,518	1,258	168,219	1,724
Ivory nuts			521	1,873
Lard substitute	1,455		1,455	16
Lime	220		480	7
Liquors	4,634	294	7,126	331
Lumber (including manufactured mill products)	4,644	162,739	7,762	286,314
Machinery	2,942	261	19,081	405
Malt				382
Manufactured goods <sup>10</sup>	12,370	508	28,352	1,600
Marble and granite			133	8
Matches	158	46	158	46
Metals:				
Antimony		115	28	115
Copper	144	1,061	1,102	32,873
Gold and silver				68
Iron	1,678	15	4,081	89
Lead	15	1,481	1,100	12,410
Tin	262	524	5,530	5,380
Zinc	131	1	1,979	21,206
Other and unclassified	901	199	3,663	2,996
Milk, powdered	101	466	101	1,042
Molasses and syrups	141		141	
Nitrates	133		1,245	144,249
Nuts, edible (including meats)		577	212	856
Oats	44	539	91	2,593
Oils, mineral:				
Crude		9,775	12,469	59,495
Gas and fuel		5,081	76,219	32,836
Gasoline, benzine and naphtha	4,236	44,436	8,726	53,602
Kerosene			1,524	503
Lubricating and greases	7,111	805	18,578	874
Other and unclassified	112		155	155
Oils, vegetable:				
Coconut		1,235		7,805
Cottonseed			311	
Linseed	23		99	
Olive	321		469	
Peanut	15		15	280
Rapeseed				53
Teaseed				103
Wood	25		25	1,082
Other and unclassified	25	168	2,226	1,419
Oil, fish	18	800	18	1,031
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)			7	504
Oilseed cake and meal	865		865	90
Ores:				
Antimony	18	27	18	323
Chrome		3,600		23,148
Copper	14	132	56	1,417
Gold and silver				226
Iron				177,250
Lead	90		90	2
Magnesite		6,727		12,967
Manganese		18		5,620
Tin	110		110	3,095
Zinc	59		59	1,486
Other and unclassified	11	86	417	2,493
Paints and varnishes	2,749	297	4,201	360
Paper and paper products <sup>10</sup>	12,456	8,176	40,200	8,869
Peanuts	781		781	112
Peas, dry				436
Peatmoss	18		149	
Phosphates	342		28,709	
Porcelainware	228	100	619	1,320

<sup>10</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Potash	77	995	77	1,558
Rags and waste	140		404	447
Railroad material	2,191		5,969	
Rice	1,032	1,102	1,138	10,008
Rope and twine	913	95	1,368	306
Rosin	1,262	12	3,979	48
Rubber:				
Manufactured	1,187	69	1,613	1,099
Raw			21	23,015
Scrap			1,774	
Salt	335	150	4,541	150
Sand	22		68	
Scrap metal		77	24,610	272
Seeds (except oilseeds)	61	520	63	1,092
Shells, all kinds	656		658	203
Silk, raw		10	136	522
Skins and hides		1,564	468	5,253
Slate	826		826	
Soaps and products	1,183	73	1,341	155
Soda and sodium compounds:				
Soda ash	657		1,067	247
Soda, caustic	345		1,040	
Miscellaneous and unclassified	513	180	2,768	233
Soya beans	100		250	47
Spices	227		275	241
Sugar	52	37,390	127	188,478
Sulphur	23,715		48,545	
Talc		228	24	513
Tallow		100		2,443
Tea	94	19	200	531
Textiles <sup>11</sup>	2,960	150	7,194	2,074
Timplate	10,640	198	26,382	198
Tobacco and manufactures	445	272	7,719	572
Toilet preparations	155		283	
Turpentine	112		398	
Vegetables, dry <sup>10</sup>		20		299
Wallboard			63	1,836
Wax, paraffin	97	38	950	43
Wheat				24,442
Wines	66	1,260	870	1,357
Woodpulp	18	14,382	7,349	28,821
Wool	18	2,912	221	13,442
Total, May 1940	264,173	408,134	839,450	1,479,922
Total, May 1939	224,001	441,182	832,228	1,706,721
Total, May 1938	164,575	282,511	823,490	1,485,681

<sup>10</sup> Except as otherwise classified.<sup>11</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of May 1940.

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	2	10,764	4,212	6	37,932	61,207
East coast United States and:						
Central America/Mexico	1	1,338	2,625			
Balboa	1	6,053	11,175			
Canada and West coast South America	1	794		1	4,359	7,587
Central America/Mexico intercoastal				1	5,049	
East coast Central America and Far East	1	6,801	12,048			
South America intercoastal	1	6,789				
East coast South America and United States	1	7,140				
West Indies and:						
United States	3	17,381		2	12,549	26,518
South America	5	28,158	55,802	1	6,028	2,015
Balboa	2	3,442	7,780	2	3,442	
Europe and:						
United States				1	6,594	13,236
South America	2	11,404		3	18,193	36,482
Total	20	100,064	93,642	17	94,146	147,045

### Comparison of Canal Traffic in May 1940, with May Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of May			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915	12 137	(000 omitted) 439	(000 omitted) 544	1915	13 100	(000 omitted) 334	(000 omitted) 466
1916	123	356	480	1916	60	184	258
1917	140	433	596	1917	145	447	588
1918	193	609	758	1918	165	506	627
1919	166	524	642	1919	162	472	576
1920	219	788	975	1920	199	659	781
1921	206	799	793	1921	232	879	966
1922	236	955	1,158	1922	222	880	907
1923	415	1,968	2,265	1923	325	1,434	1,631
1924	410	1,929	2,354	1924	429	2,016	2,249
1925	366	1,708	1,823	1925	382	1,761	1,996
1926	456	2,074	2,416	1926	424	1,909	2,169
1927	447	2,078	2,378	1927	441	2,020	2,311
1928	498	2,103	2,496	1928	521	2,269	2,468
1929	515	2,309	2,536	1929	524	2,299	2,554
1930	470	2,237	2,261	1930	502	2,310	2,502
1931	411	2,019	1,924	1931	447	2,140	2,089
1932	345	1,809	1,676	1932	364	1,820	1,650
1933	342	1,741	1,628	1933	347	1,758	1,513
1934	459	2,374	2,302	1934	436	2,201	2,059
1935	424	2,189	2,292	1935	432	2,143	2,109
1936	488	2,316	2,420	1936	449	2,160	2,209
1937	544	2,626	2,951	1937	467	2,224	2,507
1938	465	2,150	2,309	1938	460	2,163	2,297
1939	506	2,342	2,539	1939	492	2,264	2,322
1940	419	1,871	2,319	1940 (11 months)	455	2,045	2,319

<sup>12</sup> Canal opened August 15, 1914. <sup>13</sup> Average for 10½ months.

### Terminal Activities

Ships repaired during the month of May 1940 numbered 67. Vessels released from drydock numbered 8. Fuel oil amounting to 424,033 barrels was delivered as bunkers to 185 commercial vessels. Bunker coal amounting to 7,377 tons was delivered to 13 commercial vessels. Sales of commissary supplies to ships aggregated \$49,019.

### Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons	47,727	21,732	69,459
Local cargo shipped..... tons	2,590	712	3,302
Cargo received for transshipment..... tons	52,045	386	52,431
Cargo transhipped..... tons	56,931	446	57,377
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	4	2	6
Number of releases issued.....	24	16	40
Tons received.....	60	11	71
Tons withdrawn.....	100	10	110

### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal..	489	2,844,131	1,698,757	466	2,642,089	1,593,956
Vessels entering port but not transiting Canal.	56	271,184	149,730	22	60,871	36,856
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	108	588,775	344,467	75	519,480	302,555
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	494	2,882,305	1,725,014	462	2,622,673	1,581,789
Vessels clearing port but not transiting Canal.	57	269,944	149,295	21	57,232	34,708
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	106	592,167	347,281	75	514,948	301,349

**Cargo Discharged and Laden at Terminal Ports**

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month of May 1940. Figures after names of vessels show, respectively, tons discharged and tons laden:

**CRISTOBAL**

Kronprincessan Margareta, 13, 2,295	Ville D'Amiens, 197, 63	Platano, 2, 0	Alabama, 731, 112	Sixaola, 1,218, 200
Platano, 2,395, 0	Virgilio, 1,1,060	Ulua, 4, 0	Baja California, 0, 255	Cottica, 408, 10
Cristobal, 5,647, 577	Kirsten B, 557, 1,087	Zacapa, 3, 0	Patrick Henry, 248, 0	Acajutla, 257, 0
City of Baltimore, 280, 0	Santa Barbara, 8, 3	Musa, 8, 0	Lobos, 62, 36	Hunter Liggett, 194, 111
Panama Express, 0, 40	Maine, 686, 192	Myriam, 0, 3	Salva lor, 0, 345	City of Dalhart, 277, 0
Acajutla, 1, 532	Quirigua, 1,035, 165	Amerikaland, 0, 1	Strabo, 32, 0	Manto, 596, 0
Oregon, 257, 30	Santa Lucia, 301, 29	Josephine H., 0, 150	Manto, 344, 311	Nero, 0, 522
Jamaica, 378, 925	Veragua, 250, 1,165	Ceres, 0, 5,288	Colombia, 1,308, 263	Inspiration, 1, 16
Santa Maria, 314, 12	Crawford Ellis, 373, 1,405	San Jose, 6, 0	Draco, 350, 515	Crawford Ellis, 666, 0
Pereira, 477, 519	Kinka Maru, 563, 0	Derochoe, 5, 0	Pereira, 219, 683	Aconagua, 44, 1,222
Colombia, 1,171, 868	Draco, 0, 334	Nemours, 0, 113	Jamaica, 1,456, 94	Cottica, 2, 1,574
Manto, 522, 495	Idraet, 0, 672	Cholotea, 688, 163	Tolua, 1,751, 8	Comayagua, 665, 133
Nemours, 591, 213	Santa Marta, 995, 78	Imperial, 29, 983	Kenmar, 1,049, 0	Stuyvesant, 1, 0
Ludington, 0, 202	Doros, 76, 232	Cardonia, 2,110, 513	Okagi Maru, 677, 0	Margaret Lykes, 3,009, 433
Ulysses, 680, 0	Indian Prince, 615, 174	Istmo, 0, 51	Olancho, 443, 513	Cefalu, 419, 152
Leme, 1,512, 706	Chateau Thierry, 584, 63	Azuma Maru, 289, 254	Loreto, 45, 1,303	Ranعر, 395, 0
Talamanca, 420, 11	Conte Biancamano, 456, 32	Plato, 466, 709	Sanyo Maru, 383, 0	Ringer, 170, 863
Ulua, 2,267, 120	Colombia, 607, 424	Inspiration, 8, 66	Kagu Maru, 450, 0	Sydhav, 0, 17
American Legion, 207, 215	Ville de Verdun, 21, 1	Husvik, 310, 0	Contessa, 672, 209	Sakura Maru, 444, 251
Plato, 306, 742	Loriga, 37, 0	Cefalu, 531, 261	Santa Clara, 35, 5	An-on, 4,989, 0
City of Norfolk, 254, 0	Schooner Ruby, 0, 3	Director, 146, 0	Cellina, 857, 871	Ludington, 268, 1
Dido, 311, 745	Pasajero, 0, 6	Jeff Davis, 79, 0	Santa Ana, 6, 1	Santa Maria, 55, 2
Vermar, 1,197, 0	Nero, 26, 353	Velma Lykes, 0, 30	R. L. Hustler, 2, 0	Aconagua, 1,005, 38
Comayagua, 1,104, 578	Costa Rica, 1,018, 1	Taira, 0, 71	Greystoke Castle, 0, 21	Platano, 2,129, 0
Sophocles, 288, 82	Notos, 420, 1,490	Panama, 5,097, 769	Cristobal, 6,102, 710	Quirigua, 350, 1,407
Real, 0, 65	Notos, 0, 7	Josephine H., 21, 0	Titanis, 105, 0	Colombia, 1,379, 1
Contessa, 380, 240	Olancho, 0, 8	Nightingale, 372, 59	Real and Sambu, 0, 83	Acajutla, 1, 518
Santa Elena, 30, 11	Margaret Lykes, 0, 924	Santa Barbara, 293, 39	Argentina Maru, 1, 1	American Legion, 397, 0
Pericles, 4,174, 4,233	Orduna, 0, 967	Yamaura Maru, 616, 0	City of Baltimore, 6, 0	Draco, 492, 4
Aconagua, 39, 60	Musa, 1, 0	Kaipaki, 68, 0	Musa, 1,975, 7	Ebba, 0, 31
Salvador, 541, 21	Santa Marta, 6, 0	Irisbank, 0, 2	Santa Elena, 389, 25	City of Norfolk, 9, 0
Wyoming, 101, 364		Meline, 153, 0	Veragua, 827, 112	Lockkatrine, 3, 0
Musa, 1,871, 8		Platano, 2,227, 1	Talamanca, 289, 1,657	Tosan Maru, 0, 6
Ancon, 6,502, 710		Laguna, 4, 496	Doros, 376, 397	
		Ulysses, 0, 4,674	Colombia, 1,372, 412	
		Chiriqui, 418, 691	Orotava, 336, 1,055	

**BALBOA**

Santa Barbara, 49, 8	Sophocles, 99, 0	Aconagua, 2, 1	Argentina Maru, 2, 12	Tug Relief, 13, 0
City of Newport News, 1, 4	Derochoe, 298, 0	Salvador, 1, 0	Rangitane, 14, 0	Colombia, 1, 0
Esso Panama, 0, 10	Orduna, 0, 1	West Cactus, 0, 1	Pereira, 0, 51	Depere, 3,761, 0
Santa Maria, 273, 9	Acajutla, 0, 5	Kinka Maru, 1, 0	Colombia, 2, 0	Acajutla, 2, 0
Colombia, 3, 0	Panama Express, 0, 1	Colombia, 1, 0	Santa Clara, 18, 8	Atutasan Maru, 1, 0
Cadaretta, 4,167, 0	Oregon Express, 1,292, 5	Conte Biancamano, 0, 1	City of Baltimore, 1, 3	Venice Maru, 156, 190
City of Norfolk, 263, 0	Penguin, 56, 0	Asumasan Maru, 1, 0	Porto Bello, 8, 0	Leonard Wood, 676, 93
American Legion, 670, 176	Santa Lucia, 259, 15	Nako Maru, 112, 0	Sanyo Maru, 1, 0	Santa Teresa, 285, 3
President Garfield, 0, 4	Salvador, 1, 0	Santa Ana, 1, 0	Kagu Maru, 3, 0	Washington Express, 1,609, 0
Pereira, 0, 12	Ville D'Amiens, 1,453, 0	L. P. St. Clair, 90, 0	Hunter Liggett, 544, 116	Angrer, 31, 0
Ludington, 500, 13	Chateau Thierry, 547, 163	Santa Barbara, 172, 53	British Columbia Express, 1,166, 7	Aconagua, 0, 1
Lauritis Swenson, 651, 0	Staghound, 938, 0	Imperial, 0, 1	California Express, 1,717, 2	Cho-o, 0, 29
Santa Elena, 17, 8	Virgilio, 1, 0	Komaki Maru, 0, 1	City of Dalhart, 83, 0	City of Norfolk, 12, 5
		Salvador, 3, 139	Santa Elena, 91, 6	Colombia, 1, 0

NOTE.—Figures shown represent short tons of 2,000 pounds.

**Passengers**

During May 1940, ocean-ship passengers debarking at Cristobal numbered 2,146; embarking 2,070; at Balboa 2,208 debarking and 752 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 3,662; from the Pacific to the Atlantic 2,072. Commercial aircraft numbering 63 entered Cristobal with 442 passengers debarking; clearances were 66 with 486 embarking. Balboa entries of aircraft numbered 60 with 190 passengers debarking; clearances were 60 with 165 embarking.

**Current Net Prices on Fuel Oil and Diesel Oil**

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from the tanks of the Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.10 per barrel at Cristobal and Balboa; Diesel oil, \$1.80 per barrel at Cristobal and Balboa.

Movements of Ocean Vessels Through the Panama Canal

From midnight May 10, 1940, to midnight June 10, 1940

ATLANTIC TO PACIFIC

Table with columns: Ship, Date arrived, Date cleared, Nationality, Line (Charterer or operator), Port (From, For), Cargo (Nature, Long tons). Lists various vessels and their movements through the Panama Canal.

1 Tanker. 2 Motor ship. 3 Motor schooner. 5 Launch. 8 Transport. 9 Destroyer. 13 For bananas and return to Cristobal. 14 Paper, oil, general, etc. 15 Coconuts, beer. 16 Cotton, spelter, etc. 17 Salt, fuel oil, etc. 18 Scrap iron, general, etc. 19 Steel products, lubricants.







## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Pennsylvania	2	3	Amer.	Pac. Coast Direct Line	Newport, R. I.	Seattle, Wash.	Steel, oil, gen.	5,519
Fella <sup>2</sup>	5-31	3	Ital.	Italia Line	Trieste, Italy	Vancouver, B. C.	General	1,681
Trondheim <sup>1, 2</sup>	6-2	3	Nor.	Standard Oil of N. J.	Pernambuco, Br	Talara, Peru	Ballast	
Steelmaker	2	3	Amer.	Isthmian S. S. Lines.	Portland, Me.	Seattle, Wash.	Steel, gen.	5,680
L. P. St. Clair <sup>1</sup>	2	3	Amer.	Union Oil Co. of Cal.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Overton <sup>9</sup>	5-18	3	Amer.	U. S. Navy.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Draco <sup>2</sup>	5-31	3	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Gnayaquil, Ecu.	General	412
Marymar	6-3	3	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	9,390
Gen. Wm. M. Graham, <sup>11</sup>			Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Sambu <sup>2</sup>	1	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	General	63
Chateau Thierry <sup>8</sup>	3	4	Amer.	U. S. Army	Brooklyn, N. Y.	Honolulu, T. H.	General	273
H. D. Collier <sup>1</sup>	3	4	Amer.	Standard Oil of Cal.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	
Baja California	4	4	Hond.	United Fruit Co.	New Orleans, La.	Quipos, C. R.	General	1,954
Catrine <sup>2</sup>	4	4	Brit.	British Govt.	So'ampton, Eng.	Vancouver, B. C.	Ballast	
Hannington Court <sup>2</sup>	4	4	Brit.	British Govt.	Leith, England	Vancouver, B. C.	Ballast	
J-84 <sup>3</sup>	4	5	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
American	4	5	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	Mach., gen.	3,260
Y. F. D. No. 2 <sup>13, 4</sup>	-12		Amer.	U. S. Navy.	New Orleans, La.	Honolulu, T. H.	Ballast	
Mahimahi	5	6	Amer.	Isthmian S. S. Lines.	Mobile, Ala.	Seattle, Wash.	Steel, gen.	9,909
Colombia <sup>2</sup>	4	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Bventura, Col.	General	682
Waipio	6	6	Amer.	Isthmian S. S. Lines.	New York, N. Y.	Honolulu, T. H.	Gen., steel	2,567
Fortuna <sup>3</sup>	5	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Ivaran <sup>2</sup>	5	6	Nor.	De La Rama S. S. Co.	Baltimore, Md.	Hongkong, China	General	4,353
Lebore	5	6	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Iberville	6	6	Amer.	Bowater P. & P. Mills	New York, N. Y.	Sydney, Aust'lia	Newsprint	4,397
Eso Balboa <sup>1, 2</sup>	6	6	Pan.	Standard Oil of N. J.	Aruba, N. W. I.	Ant'fagasta, Chile	Fuel oil	14,275
Pereira	3	6	Pan.	Grace Line	Cristobal, C. Z.	Gen. Amer. ports.	General	863
Santa Clara	5	7	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	3,051
Dorset <sup>2</sup>	6	7	Brit.	Fed. Steam Nav. Co.	Cardiff, England	New Zealand	Airplanes	55
Donnie F. <sup>5</sup>	6	6	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
President Adams	6	7	Amer.	Amer. President Lines	New York, N. Y.	S. Francisco, Cal.	General	7,035
Y. F. D. No. 2 <sup>13, 4</sup>	-12		Amer.	U. S. Navy.	New Orleans, La.	Honolulu, T. H.	Ballast	
Melanpus	6	7	Neth.	N. S. M. Ozeaan	Boston, Mass.	Soerabaya, Java	General	6,537
Losada <sup>2</sup>	4	7	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile	General	8,165
West Kyska	7	8	Amer.	Waterman S. S. Corp.	Jacksonville, Fla.	Los Angeles, Cal.	General	5,977
Thuland Castle <sup>2</sup>	7	8	Brit.	Barber Line	New York, N. Y.	Shanghai, China	General	7,726
Porto Bello <sup>3</sup>	7	8	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
J-62 <sup>3</sup>	7	7	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Flomar	8	8	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,844
Tacoma City	8	8	Brit.	Ministry of Shipping	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Turakina	7	9	Brit.	N. Z. Shipping Co.	Liverpool, Eng.	Fremantle, Aust.	General	6,078
City of Flint	8	8	Amer.	Moore & McCormick	Galveston, Tex.	Pt. Alice, B. C.	Sulphur	6,000
Douro <sup>2</sup>	6	9	Neth.	Royal Neth. S. S. Co.	Curacao, N.W.I.	Bventura, Col.	General	138
Mussolini <sup>2</sup>	7	8	Pan.	H. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Cuanco <sup>2</sup>	7	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Col. Ri he <sup>5</sup>	8	8	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
J-84 <sup>5</sup>	8	8	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Gen. Wm. M. Graham, <sup>11</sup>	3	8	Amer.	U. S. Army.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Nathan <sup>2</sup>	7	7	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		20
Lochkatrine <sup>2</sup>	6	11	Brit.	Royal Mail Lines	London, England	Vancouver, B. C.	General	3,371
Port Chalmers <sup>2</sup>	8	9	Brit.	Port Line, Ltd.	Cardiff, England	Brisbane, Aust'lia	General	6,782
Inspiration	6	9	Ni.	Colombiana de Cabot	Cristobal, C. Z.	Bventura, Col.	General	368
Nero <sup>2</sup>	6	9	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Gnayaquil, Ecu.	General	146
Telde	7	9	Hoa l.	United Fruit Co.	New Orleans, La.	Golfito, C. R.	General	1,452
Tampa <sup>2</sup>	8	9	Amer.	U. S. Lines, Inc.	Baltimore, Md.	Hongkong, China	General	7,924
Svealand <sup>2</sup>	8	10	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Carolinian	9	9	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	4,491
F. J. Lukenbach.	9	9	Amer.	Lukenbach Line	Boston, Mass.	Seattle, Wash.	General	5,237
Cape York <sup>2</sup>	9	9	Brit.	Lyle Shipping Co.	Sunierland, Eng.	Vancouver, B. C.	Ballast	
Kalani	9	10	Amer.	Matson Nav. Co.	Baltimore, Md.	Hilo, T. H.	General	1,958
Fortuna <sup>2</sup>	8	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Ebba <sup>2</sup>	8	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Martin Bakke <sup>2</sup>	9	10	Nor.	Knutsen Line	Liverpool, Eng.	Los Angeles, Cal.	Ballast	
Sea Dragon <sup>7</sup>	4	9	Amer.	U. S. Navy	High seas	Balboa, C. Z.	Ballast	
Lake Miraflores <sup>1</sup>	10	11	Amer.	Marine Products Co.	St. Johns, N. B.	S. Francisco, Cal.	Ballast	
Rimutaka	10	11	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	General	3,289
Wisconsin	8	11	Fr.	French Line	Havre, France	Vancouver, B. C.	Chlor. wine	838
Nellwood <sup>6</sup>	10	12	Amer.	G. W. Skinner	Chicago, Ill.	Seattle, Wash.	Ballast	
Jean Lafitte	10	12	Amer.	States Marine Corp.	Pt. Tampa, Fla.	Kobe, Japan	Phosphates.	7,498

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Yacht. <sup>6</sup> Submarine. <sup>7</sup> Transport. <sup>8</sup> Destroyer. <sup>9</sup> Floating drydock. <sup>10</sup> For bananas and return to Cristobal.







## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Kirsten B.....	5	6	Nor...	Grace Line.....	Callao, Peru....	New York, N. Y.	Minerals....	1,671
Cities Service Toledo, <sup>1</sup>	4	5	Amer..	Cities Service Oil Co.	Tocopilla, Chile.	U. S. Gulf ports..	Ballast.....	
William Luckenbach.	5	6	Amer..	Luckenbach Line....	Seattle, Wash....	Boston, Mass....	( <sup>13</sup> )	7,506
Chipana.....	5	6	Amer..	Grace Line.....	Valparaiso, Chile.	New York, N. Y.	Copper, gen.	4,592
Inspiration.....	4	9	Nic...	Elliot Ship. & Land Co.	B'ventura, Col....	Cristobal, C. Z.	Coffee.....	690
Orduna.....	6	8	Brit...	Pacific Steam Nav. Co.	Taleahuano, Chile.	Liverpool, Eng...	General.....	6,430
Panamam.....	6	6	Amer..	Amer.-Hawaiian Line.	Portland, Oreg...	Baltimore, Md....	General.....	7,710
Reinholt <sup>2</sup> .....	6	7	Nor...	De la Rama S. S. Co.	Hongkong, China.	New York, N. Y.	General.....	8,089
Pomona.....	6	6	Amer..	Weyerhaeuser S. S. Co.	Longview, Wash.	Chester, Pa.....	General.....	10,637
Salvador.....	6	6	Brit...	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	( <sup>14</sup> )	418
Nero <sup>2</sup> .....	6	9	Neth...	Royal Neth. S. S. Co.	Tumaco, Colomb.	Cristobal, C. Z.	( <sup>15</sup> )	433
Washington.....	7	7	Amer..	States S. S. Co.....	Portland, Oreg...	New York, N. Y.	Lumber.....	4,554
Mussolini <sup>2</sup> .....	7	8	Pan...	H. Obarrio.....	Darien, R. P....	Cristobal, C. Z.	Bananas.....	70
Memnon.....	7	8	Brit...	Sir. R. Ropner & Co.	N. Westm'er, B.C.	United Kingdom.	Lum., soelter	4,121
K. I. Luckenbach.	7	8	Amer..	Luckenbach Line....	Seattle, Wash....	Tampa, Fla.....	General.....	9,263
Black Osprey.....	7	8	Amer..	Ministry of Shipping.	Sydney, Aust'lia.	Baltimore, Md....	Wheat.....	7,511
Fortuna <sup>2</sup> .....	7	9	Pan...	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z.	Bananas.....	80
Hollywood.....	7	8	Amer..	McCormick S. S. Co.	Seattle, Wash....	Philadelphia, Pa.	Lumber, gen.	7,573
Doros.....	7	8	Neth...	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Curacao, N.W.I.	( <sup>16</sup> )	946
Silverpalm <sup>2</sup> .....	7	8	Brit...	S. & J. Thompson...	Singapore, St. Sett.	New Orleans, La.	General.....	8,868
Ebba <sup>2</sup> .....	8	9	Pan...	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z.	Bananas.....	35
Sundance.....	7	8	Amer..	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga...	Nitrates.....	7,516
Yamazato Maru.	8	9	Jap...	Yamashita Line....	Kobe, Japan.....	Montevideo, Uru.	General.....	1,960
Heranger <sup>2</sup> .....	8	9	Nor...	Intercoean Line....	N. Westm'er, B.C.	Liverpool, Eng...	General.....	7,827
Texan.....	8	8	Amer..	Amer.-Hawaiian Line.	Portland, Oreg...	Boston, Mass....	Lumber, gen.	8,039
Gerassimos Vergottis.	8	9	Greek.	Seaboard Shipping Co.	Fraser Mills, B.C.	Alexandria, Egypt	Lum., lead...	6,997
Orotava.....	9	9	Hond..	United Fruit Co....	Pto. Arm'les, R.P.	New Orleans, La.	Coffee, gen.	737
Marna.....	9	10	Dan...	J. Lauritzen.....	Salaverry, Peru.	New York, N. Y.	Nitrate, gen.	2,580
Effingham.....	9	10	Amer..	Lykes Bros. S. S. Co.	Manila, P. I....	New Orleans, La.	Sugar, copra.	7,995
Colombia <sup>2</sup> .....	9	9	Pan...	Elliot Ship. & Land Co.	B'ventura, Col....	Cristobal, C. Z.	Coffee, gen.	1,255
Steel Voyager.....	9	10	Amer..	Isthmian S. S. Lines.	Portland, Oreg...	Baltimore, Md....	( <sup>17</sup> )	8,498
Cumberland.....	10	10	Brit...	N. Z. Shipping Co.	Auckland, N. Z.	United Kingdom.	Frozen, gen.	7,880
Leeds City.....	10	10	Brit...	Ministry of Shipping.	N. Westm'er, B.C.	United Kingdom.	Metal, lum.	8,200
Sambu <sup>2</sup> .....	10	10	Pan...	Elliot Ship. & Land Co.	Panama, R. P....	Cristobal, C. Z.	Empty drums	40

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>13</sup> Lumber, canned goods.<sup>14</sup> Wood, coffee, balsam.<sup>15</sup> Coffee, rice, empty bottles.<sup>16</sup> Rice, cocoa, general. <sup>17</sup> Lumber, canned goods.

## Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices to individuals and companies, as of June 10, 1940:

Commodities	Unit	Price
Brass, bar, average.....	Lb.	\$0.20
Brass, sheet, average.....	Lb.	.31
Bronze, Tobin, average.....	Lb.	.22
Gasoline, motor grade.....	Gal.	.13
Metal, yellow.....	Lb.	.27
Oakum, Navy, spun.....	Lb.	.20
Oakum, Navy, unspun.....	Lb.	.17
Oil, gun and ice machine.....	Gal.	.36
Oil, engine, gas, light, in drums, No. 2135.....	Gal.	.29
Oil, engine, gas, extra heavy, in cases, No. 2250.....	Gal.	.31
Oil, engine, gas, extra heavy, in drums, No. 2250.....	Gal.	.31
Oil, kerosene, in drums.....	Gal.	.11
Oil, marine, engine.....	Gal.	.41
Paint, lead, white, dry.....	Lb.	.11
Paint, lead, white, in oil.....	Lb.	.10
Paint, zinc oxide, dry.....	Lb.	.07
Paint, zinc oxide, in oil.....	Lb.	.11
Grease, gear, chain and wire rope, lubricating.....	Lb.	.05
Grease, yellow, cup, medium.....	Lb.	.06
Grease, yellow, cup, hard.....	Lb.	.06
Soda, ash.....	Lb.	.03
Waste, cotton, colored.....	Lb.	.09
Waste, cotton, white.....	Lb.	.10

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.



*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXIII Balboa Heights, C. Z., July 15, 1940 No. 12

## Traffic Through the Panama Canal in June 1940

The total vessels of all kinds transiting the Panama Canal during the month of June 1940, and for the same month in the two preceding years, are shown in the following tabulation:

	June 1940			June	
	Atlantic to Pacific	Pacific to Atlantic	Total	1939	1938
Ocean-going commercial traffic.....	196	173	369	479	445
Small commercial vessels <sup>1</sup> .....	39	36	75	75	93
Noncommercial vessels:					
United States Government.....	41	14	55	37	32
Panamanian Government.....					1
Colombian Government.....				2	
For repairs.....	1	1	2	7	
Others.....		1	1		
<b>Total.....</b>	<b>277</b>	<b>225</b>	<b>502</b>	<b>600</b>	<b>571</b>

<sup>1</sup> Vessels under 300 net tons Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC<sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the twelve-month period ended June 30, 1940, as compared with the corresponding period ended June 30, 1939:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39
July.....	485	429	2,254,398	1,933,816	2,317,697	2,025,660	\$1,974,380.72	\$1,694,205.00
August.....	490	468	2,247,009	2,177,699	2,385,039	2,171,674	1,964,776.48	1,890,050.74
September.....	457	438	2,119,418	2,005,241	2,445,700	1,998,464	1,855,574.22	1,741,895.46
October.....	458	494	2,068,665	2,276,194	2,386,314	2,359,673	1,815,210.24	1,977,706.76
November.....	489	505	2,178,556	2,302,333	2,472,503	2,223,830	1,915,075.38	1,984,014.72
December.....	489	509	2,116,424	2,336,011	2,361,176	2,374,395	1,840,096.98	2,031,017.04
January.....	466	525	2,056,658	2,350,916	2,337,943	2,393,360	1,795,241.88	2,062,454.16
February.....	402	501	1,782,977	2,282,318	2,123,574	2,206,963	1,567,416.06	1,996,735.66
March.....	470	553	2,099,902	2,586,580	2,279,432	2,664,068	1,832,416.98	2,252,156.28
April.....	376	496	1,704,951	2,278,326	2,081,483	2,472,504	1,508,200.86	1,999,851.16
May.....	419	506	1,871,095	2,341,894	2,319,372	2,538,949	1,648,035.78	2,053,502.16
June.....	369	479	1,644,313	2,268,679	1,788,783	2,437,087	1,428,249.78	1,977,431.94
<b>Total.....</b>	<b>5,370</b>	<b>5,903</b>	<b>24,144,366</b>	<b>27,170,007</b>	<b>27,299,016</b>	<b>27,866,627</b>	<b>21,144,675.36</b>	<b>23,661,021.08</b>

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 tons measurement (Panama Canal net), which transited the Panama Canal during the month of June 1940. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	39	1,708	\$1,281.60	242
Pacific to Atlantic.....	36	1,502	1,306.98	1,383
<b>Total.....</b>	<b>75</b>	<b>3,210</b>	<b>2,588.58</b>	<b>1,625</b>

Traffic by Nationality of Vessels<sup>3</sup> for June 1940

Nationality	No. of vessels	Panama Canal net tonnage	Tolls	Tons of cargo
British	81	459,538	\$392,409.36	359,104
Chilean	2	6,929	6,236.10	8,615
Colombian	4	1,808	1,627.20	2,556
Danish	5	17,875	16,087.50	19,465
French	4	17,728	15,955.20	9,649
Greek	4	18,538	15,016.50	15,797
Honduran	11	16,766	13,977.18	9,406
Italian	1	5,457	4,911.30	1,681
Japanese	20	120,070	106,851.96	135,442
Latvian	1	3,154	2,838.60	6,499
Netherlands	26	58,236	52,412.40	74,146
Nicaraguan	4	1,476	1,328.40	2,551
Norwegian	31	135,803	114,822.72	142,882
Panamanian	18	24,883	21,727.80	31,063
Peruvian	1	2,259	2,033.10	2,222
Philippines	2	9,683	8,714.70	14,278
Swedish	6	23,566	20,420.28	55,110
United States	148	720,544	630,879.48	898,317
Total	369	1,644,313	1,428,249.78	1,788,783

<sup>3</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## Traffic by Trade Routes for June 1940

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	40	198,879	202,184	42	203,869	321,982
East coast United States and:						
Canada	1	3,788	6,000	1	1,778	3,226
Central America	9	13,188	10,058	5	9,056	2,831
South America	17	81,756	42,018	24	100,678	193,778
Hawaiian Islands	6	26,029	22,640	4	16,350	28,826
Australasia	6	32,950	32,733	4	19,615	33,395
Philippines	6	32,660	43,479	11	60,876	89,252
Far East	22	119,522	166,120	8	47,662	55,538
East coast Canada and:						
United States	3	9,634	14,603			
South America	1	3,539	3,766			
Australasia	3	17,180	17,265	2	9,993	16,479
Far East				1	5,964	10,028
Central America intercoastal	1	974	2,152	1	6,728	
Central America and West coast South America	1	1,918	3,607			
South American intercoastal	5	10,181	4,422			
East coast South America and:						
United States	1	3,448	5,722	1	4,767	7,079
Canada	2	9,753	10,762			
Far East	2	11,764	11,218	1	5,409	1,960
Balboa				1	1,526	
Cristobal and:						
Central America	4	2,568	2,501	7	5,256	2,589
South America	16	13,609	11,256	17	13,720	15,120
West Indies and:						
United States				1	6,458	
Canada	1	5,220				
Central America	1	1,579				
South America	2	7,927	14,807	1	982	946
Hawaiian Islands	1	6,196				
Europe and:						
United States	2	9,418				
Canada	22	113,380	8,044	15	73,399	120,629
South America	5	27,389	17,453	7	37,284	49,948
Australasia	11	78,491	24,800	16	118,889	117,242
Far East	1	7,410	11,200			



Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
Egypt and:						
Canada.....				1	4,626	6,997
South America.....	2	12,432				
Africa and Canada.....				1	5,646	7,839
Around the world.....	1	7,497	6,331	1	6,306	7,958
Foreign vessels in ballast (United States intercoastal).....	1	7,167				
Total.....	196	877,446	695,141	173	766,867	1,093,642

### Origin and Destination of Cargo by Major Areas, June 1940

The following table summarizes the origin of cargo passing through the Canal in June 1940, and its destination by major geographical trade areas:

#### ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States.....	206,332	39,981	210,272	44,358	30,358	531,301
Other North America.....	16,535	4,768	121	32,623	22,421	76,468
Europe.....	3,203	3,502	11,200	15,771	21,619	55,295
Miscellaneous.....	16,041	625	11,018	3,993	400	32,077
Total.....	242,111	48,876	232,611	96,745	74,798	695,141

#### PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	318,013	12,448	23,281	11,703	365,445
Canada.....	3,226		97,321	16,636	117,183
Other North America.....	36,100	1,393			37,493
South America.....	191,903	19,161	49,948	460	261,472
Australasia.....	43,769	6,105	117,242		167,116
Asia.....	142,467	2,360		106	144,933
Total.....	735,478	41,467	287,792	28,905	1,093,642

### Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more tons during June 1940 or June 1939 are listed below:

Commodity	June		Commodity	June	
	1940	1939		1940	1939
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts.....	10,360	18,948	Beans, edible, dry.....	8,116	12,885
Canned food products.....	9,107	11,847	Canned food products.....	46,181	66,895
Cement.....	9,123	14,121	Coffee.....	16,301	20,078
Chemicals.....	13,672	13,914	Cold storage (food products)*.....	61,313	22,446
Coal and coke.....	23,606	18,215	Fruit, dried.....	9,157	13,382
Cotton, raw.....	11,712	19,703	Flour.....	15,779	7,584
Iron and steel.....	171,082	121,956	Guano.....		10,730
Machinery.....	13,471	11,586	Lumber.....	226,468	333,368
Manufactured goods <sup>4</sup> .....	22,126	17,912	Metals, various.....	55,021	56,340
Metals, various.....	21,298	18,430	Molasses and syrups.....		31,174
Oils, mineral.....	60,741	95,082	Nitrates.....	51,835	67,475
Ores.....	28,333	2,188	Oats.....	1,683	10,020
Paper.....	36,648	39,391	Oils, mineral.....	57,117	263,893
Phosphate.....	20,610	14,033	Oils, vegetable.....	18,877	19,410
Railroad material.....	4,013	10,862	Ores.....	152,418	166,544
Scrap metal.....	9,658	133,214	Paper.....	8,841	13,157
Salt.....	14,525	5,284	Rubber, raw.....	34,536	2,940
Sulphur.....	11,780	21,282	Soy beans.....		12,570
Textiles <sup>5</sup> .....	5,763	12,131	Sugar.....	104,162	169,838
Tinplate.....	26,110	26,015	Wheat.....	60,877	112,228
			Wood pulp.....	18,767	23,638
			Wool.....	20,593	16,215
<i>Pacific to Atlantic</i>					
Asphalt and tar.....	21,269	10,529			
Barley.....	2,335	15,386			

<sup>4</sup> Except as otherwise classified.

<sup>5</sup> Cotton, silk, wool and rayon goods.

<sup>6</sup> Except fresh fruit.

## Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of June 1940, as reported in the cargo declarations showing the movement by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts			236	42
Agricultural implements	298	43	2,133	99
Alfalfa meal		68		68
Ammonium compounds	52		8,407	
Animal foods <sup>7</sup>	50	85	77	866
Apparel, wearing (hats, shoes, clothing, etc.)	50		55	45
Asbestos	216	1	2,481	1
Asphalt and tar	56	21,267	7,381	21,269
Automobiles (and autotrucks)	1,257	2	6,240	22
Automobile parts and accessories	585	56	4,120	58
Bags and bagging, textile	65	36	65	43
Bamboo and products		54		842
Bananas				3,324
Barks, miscellaneous		49		210
Barley		160		2,335
Beans, edible, dry		2,621	15	8,116
Beer	28		282	
Blood and tankage				377
Bones and bone meal		50	1,478	125
Books and printed matter	103		345	
Borax		168	400	3,946
Brau and pollards			1	1,202
Bricks and tile	224		676	
Camphor, crude				12
Canned and preserved goods:				
Fish	110	5,236	334	7,032
Fruit	391	18,209	419	23,381
Meat	44	18	358	952
Milk	132	43	544	1,073
Soup	2,317		2,507	
Vegetables	305	6,433	448	6,535
Miscellaneous and unclassified	3,637	6,279	4,497	7,208
Carbon black				837
Cement	1,127	1	9,123	37
Chalk			550	
Charcoal	99		99	
Chemicals <sup>7</sup>	4,080	547	13,672	1,062
Clay, china and fire	440	198	483	228
Clay, filtering	180	77	275	77
Coal	710	11	19,819	11
Cocoa and cacao beans	152	1	1,207	1,030
Coconuts and products <sup>7</sup>	51	1,048	61	3,337
Coffee	398	82	5,777	16,301
Coke		22	3,787	22
Cold storage and refrigerated products:				
Dairy products		65	310	19,695
Fish	5	21	62	167
Lard	98	45	209	45
Meats	42	62	797	41,209
Vegetables			1	11
Other and unclassified	23	165	54	186
Confectionery	602	33	655	33
Copra				2,090
Copra meal and cake				120
Corn			6,177	
Cotton, raw	40	83	11,712	5,090
Creosote			19	
Drugs and medicines	1,485	287	1,981	512
Dyes			347	
Earthenware	44	64	186	143
Eggs, dried		33		148
Electrical apparatus and appliances	2,330	160	5,724	240
Enamel and metalware	261	60	1,513	159
Explosives	130		202	
Extract, quebracho			1,168	
Fertilizers <sup>7</sup>	671	69	8,155	886
Fish meal	513		513	
Floor coverings	1,623	871	2,261	1,397

<sup>7</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Flour	57	10,888	1,163	15,779
Fruit, dried	80	4,699	80	9,157
Fruit, fresh <sup>7</sup>	20	993	20	8,465
Furniture and household goods	478		526	158
Gallnuts				61
General	14,559	3,198	50,531	7,509
Glass and glassware	1,453	25	3,465	854
Glue	101	72	101	86
Grains <sup>7</sup>	84	180	416	180
Groceries	1,525	347	2,245	894
Gums		131	3	768
Hair, all kinds	83	232	87	363
Hay				585
Hemp, unmanufactured		108	122	3,793
Honey		130		280
Horns and hoofs			35	21
Infusorial earth		33	24	182
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	92,404	593	171,082	958
Ivory nuts				1,536
Lard substitute	87	15	87	102
Lime			50	
Liquors	1,098	227	3,844	248
Lumber (including manufactured mill products)	1,782	116,136	8,384	226,468
Machinery	1,738	140	13,471	781
Malt			18	
Manufactured goods <sup>7</sup>	8,426	586	22,126	2,011
Marble and granite	18		264	
Matches	277	164	277	164
Metals:				
Antimony			5	
Chrome			20	
Copper	69	2,957	2,039	25,115
Gold and silver			31	60
Iron	333		8,055	960
Lead	55	504	85	10,425
Tin	270	258	5,437	7,120
Zinc	10	22	539	10,956
Other and unclassified	1,588	53	5,087	385
Milk, powdered		319		693
Molasses and syrups	130		288	
Nitrates	85		485	51,835
Nuts, edible (including meats)		417	1,810	644
Oats	42	286	48	1,683
Oils, mineral:				
Crude	158	11,078	11,175	21,010
Gas and fuel	20	9,904	18,179	9,914
Gasoline, benzine and naphtha	22	23,672	2,259	23,794
Kerosene			91	37
Lubricating and greases	7,634	614	28,563	1,267
Other and unclassified		35	474	1,095
Oils, vegetable:				
Coconut				9,675
Cottonseed			771	
Linsed	91		431	
Olive	280	107	450	107
Peanut				811
Rapeseed				54
Teased				282
Wood		17		2,463
Other and unclassified	129	1,586	715	5,767
Oil, fish	31	73	31	202
Oil, whale				497
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	45	119	473	1,126
Oilseed cake and meal	504		834	966
Ores:				
Antimony			22	430
Chrome	142		142	8,150
Copper		253	14,603	15,162
Gold and silver				334
Iron			177	111,450
Lead				1,524
Magnesite		3,426	40	3,426
Manganese	2,074	1,025	2,190	6,025
Tin	86	15	86	4,177
Zinc	32		306	1
Other and unclassified	51		767	1,739
Paints and varnishes	1,516	199	2,751	639
Paper and paper products <sup>7</sup>	12,729	6,749	36,648	8,841
Peanuts	474		474	

<sup>7</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Peas, dry		496		4,256
Peatmoss	9		9	
Phosphates	461		20,610	
Porcelainware	614	165	1,273	1,978
Potash		1,370	80	1,370
Rags and waste	177	20	825	524
Railroad material	74		4,013	
Rice	242	1,002	334	4,792
Rope and twine	115	18	601	145
Rosin	1,300	33	5,212	33
Rubber:				
Manufactured	1,023	216	1,393	4,361
Raw			182	34,536
Scrap			1,247	46
Salt	81		14,525	
Sand	2,200		2,225	719
Scrap metal	18	196	9,658	206
Seeds (except oilseeds)		425	912	1,417
Shells, all kinds	119		119	127
Silk, raw		13		402
Skins and hides	50	929	562	3,449
Slag		37		37
Slate	1,615		1,615	
Soaps and products	2,035	325	2,379	399
Soda and sodium compounds:				
Soda ash	394		593	100
Soda, caustic	301		2,198	
Miscellaneous and unclassified	367		1,030	39
Soya beans	667		667	
Spices	125	83	173	520
Sugar	135	26,412	135	104,162
Sulphur	12	97	11,780	98
Talc	41	48	44	48
Tallow	37	191	37	7,395
Tea	45	12	154	698
Textiles <sup>8</sup>	3,534	18	5,763	2,554
Tinplate	11,599		26,110	
Tobacco and manufactures	380	154	8,273	501
Toilet preparations	162		227	45
Turpentine	104		167	
Vegetables, dry <sup>7</sup>		188		708
Wall board	7		281	947
Wax, paraffine	106		656	44
Wheat	25	147	616	60,877
Wines	144	1,014	795	1,086
Wood pulp	57	12,647	1,185	18,767
Wool	63	4,289	246	20,593
Total, June 1940	206,332	318,013	695,141	1,093,642
Total, June 1939	222,386	415,136	825,835	1,611,252
Total, June 1938	167,389	285,429	661,250	1,461,139

<sup>7</sup> Except as otherwise classified.    <sup>8</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal for the month of June 1940:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	7	45,777		6	34,026	65,895
East coast United States and:						
South America				2	12,143	
Far East	1	6,419	10,535			
Canada and West coast South America	1	1,896				
Central America/Mexico intercoastal				1	6,728	
East coast Central America and west coast South America	1	1,918	3,607			
South America intercoastal	1	6,119				
West Indies and:						
United States				1	6,458	
South America	1	7,440	14,275			
Hawaiian Islands	1	6,196				
Europe and South America	1	5,153		1	5,153	9,932
Total	14	80,918	28,417	11	64,508	75,827

### Comparison of Canal Traffic in June 1940, with June Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of June			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915.....	<sup>9</sup> 140	(000 omitted) 461	(000 omitted) 567	1915.....	<sup>10</sup> 100	(000 omitted) 334	(000 omitted) 466
1916.....	120	352	483	1916.....	60	184	258
1917.....	165	488	630	1917.....	145	447	588
1918.....	166	531	629	1918.....	165	506	627
1919.....	154	478	586	1919.....	162	472	576
1920.....	190	651	834	1920.....	199	659	781
1921.....	189	704	695	1921.....	232	879	966
1922.....	222	897	977	1922.....	222	880	907
1923.....	412	1,883	2,066	1923.....	325	1,434	1,631
1924.....	374	1,782	2,023	1924.....	429	2,016	2,249
1925.....	365	1,622	1,920	1925.....	382	1,761	1,996
1926.....	401	1,839	2,133	1926.....	424	1,909	2,169
1927.....	433	1,990	2,228	1927.....	441	2,020	2,311
1928.....	473	2,060	2,139	1928.....	521	2,269	2,468
1929.....	494	2,175	2,423	1929.....	524	2,299	2,554
1930.....	468	2,180	2,147	1930.....	502	2,310	2,502
1931.....	384	1,903	1,757	1931.....	447	2,140	2,089
1932.....	318	1,611	1,404	1932.....	364	1,820	1,650
1933.....	341	1,758	1,690	1933.....	347	1,758	1,513
1934.....	366	1,867	1,767	1934.....	436	2,201	2,059
1935.....	405	1,974	2,081	1935.....	432	2,143	2,109
1936.....	481	2,265	2,460	1936.....	449	2,160	2,209
1937.....	472	2,266	2,670	1937.....	449	2,224	2,342
1938.....	445	2,065	2,122	1938.....	460	2,163	2,282
1939.....	472	2,269	2,437	1939.....	492	2,264	2,322
1940.....	369	1,644	1,789	1940.....	447	2,014	2,275

<sup>9</sup> Canal opened August 15, 1914.

<sup>10</sup> Average for 10½ months.

### Terminal Activities

Ships repaired during the month of June numbered 67. Vessels released from dry-dock numbered 13. Fuel oil amounting to 450,180 barrels was delivered as bunkers to 189 commercial vessels. Bunker coal amounting to 11,509 tons was delivered to 18 commercial vessels. Sales of commissary supplies to ships aggregated \$64,150.28.

### Cargo Handled at Terminal Ports

		Cristobal	Balboa	Total
Local cargo arriving.....	tons	44,191	24,833	69,024
Local cargo shipped.....	tons	2,641	1,244	3,885
Cargo received for transshipment.....	tons	56,681	501	57,182
Cargo transhipped.....	tons	50,292	445	50,737
"Canal Zone for Orders" cargo:				
Number of receipts issued.....		4	2	6
Number of releases issued.....		36	21	57
Tons received.....		19	7	26
Tons withdrawn.....		37	17	54

### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal.....	438	2,638,876	1,605,716	419	2,364,626	1,416,843
Vessels entering port but not transiting Canal.....	58	362,555	241,584	17	53,700	31,698
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	93	594,427	347,807	63	407,746	242,313
<i>Ships clearing</i>						
All vessels, including those transiting Canal.....	441	2,621,304	1,600,470	413	2,323,950	1,391,277
Vessels clearing port but not transiting Canal.....	59	367,975	245,004	18	53,698	31,635
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	92	559,936	329,045	63	421,621	250,263

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month of June 1940. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

Ulua, 2,091, 88	Platano, 2,372, 1	Telde, 90, 845	Imperial, 133, 44	Jamaica, 1,270, 21
San Jose, 100, 1,141	Draco, 286, 314	Leonard Wood, 328, 1	Istmo, 767, 244	Musa, 488, 5
Kinugasa Maru, 534, 0	Salvador, 0, 546	Wisconsin, 408, 671	Barge 215, 0, 44	Acajutla, 242, 0
Manto, 0, 749	Strabo, 79, 0	Doros, 484, 1,193	Sixaola, 1405, 205	San Francisco, 0, 7
Marymar, 236, 0	City of Baltimore, 376, 0	Draco, 0, 806	Notos, 3, 754	Marqui, 0, 57
Pereira, 912, 731	Douro, 646, 125	Dido, 2, 293	Orotava, 277, 1,280	Colombia, 1,377, 463
Ancon, 3, 1,476	Crijnsen, 13, 1,432	San Blas, 531, 152	Hibueras, 0, 649	Cartago, 1,393, 81
Meline, 146, 0	Quirigua, 790, 52	Colombia, 1,236, 0	Somerset, 33, 0	Copiapo, 1,911, 0
Crijnsen, 235, 2	Inspiration, 735, 5	Cardonia, 3,348, 1,082	Lagarto, 20, 377	Nero, 580, 517
Colombia, 0, 576	Ceres, 948, 4,485	M. E. Div. Barge 213, 0, 9	Talisman, 229, 0	Telde, 95, 0
Dona Aniceta, 179, 0	San Bruno, 1,241, 0	Sambu, 17, 12	Pereira, 1,350, 183	Margaret Lykes, 866, 514
City of Elwood, 25, 0	Sambu, 0, 100	Wayfarer, 36, 0	San Mateo, 692, 0	Douro, 638, 185
Sambu, 0, 73	Hermes, 2,369, 2	Marna, 1, 9	Speybank, 0, 463	Cadmus, 618, 1,126
Santa Clara, 427, 43	Santa Maria, 1,006, 9	Veragua, 317, 2,152	Sakura Maru, 5, 0	Cefalu, 814, 161
Musa, 1,981, 1	Chiriqui, 344, 86	Republic, 203, 46	Manto, 73, 0	Sofie Bakke, 0, 8
Talamanca, 20, 20	Nemours, 593, 0	Colombia, 0, 662	Santa Lucia, 441, 12	Dido, 4, 235
Lochkatrine, 364, 903	Goyo Maru, 2,251, 4	Red Jacket, 472, 77	Panama, 5,504, 456	Passajero, 39, 0
Reinholt, 139, 0	Chateau Thierry, 10, 0	Kano Maru, 254, 0	Tanja, 0, 4	Explorer, 95, 0
Orduna, 0, 239	Trondheim, 0, 13	A. A. Radium, 1, 0	Nemours, 0, 1	Marchen Maersk, 0, 4
Thurland, Castle, 0, 20	Losada, 2, 1,547	San Rafael, 454, 419	Buenos Aires Maru, 1, 2	Belay, 0, 1
Santa Marta, 834, 125	Contessa, 906, 247	Tolea, 837, 3	Grenager, 94, 741	Socrates, 1, 0
Kirsten B, 0, 1	Socrates, 4,053, 4,405	City of San Francisco, 691, 0	Cottica, 56, 593	American Legion, 1,043, 462
Copiapo, 20, 0	American Legion, 154, 155	West Ivis, 253, 116	Manto, 0, 701	Talamanca, 640, 1,521
Yamazato Maru, 1,109, 49	Santa Lucia, 172, 7	Malantic, 0, 1	Colombia, 1,268, 3	Acajutla, 0, 476
Commissaire Ramel, 295, 1	Fella, 1,501, 10	Santa Barbara, 6, 3	Bocas del Toro, 0, 10	Inspiration, 0, 1
Somerville, 0, 46	Passajero, 1, 60	Contessa, 605, 200	Parismina, 2,166, 0	Hokkai Maru, 586, 46
Istmo, 45, 8	Lautaro, 0, 290	Kinai Maru, 434, 31	Pericles, 3,786, 0	Veragua, 532, 34
Orotava, 409, 886	Douro, 0, 239	Helga, 0, 3	Istmo, 724, 0	Ulua, 726, 76
Cefalu, 744, 170	Panama, 6,090, 1,897	Comayagua, 1,383, 909	Pereira, 1,211, 0	Draco, 72, 1
Laura Maersk, 418, 0	Jamaica, 272, 1,659	Port Antonio, 0, 809	Santa Teresa, 3, 2	Port Halifax, 187, 0
Silverpalm, 0, 14	Inspiration, 994, 349	Santa Elena, 302, 3	Santa Ana, 229, 105	Spica, 107, 0
Cristobal, 5,835, 427	Nero, 477, 252	Custodian, 209, 0	Ancon, 4,522, 505	Conte Biancamano, 2, 0
Modjokerto, 622, 0	Salvador, 424, 0	Chiriqui, 291, 1,106	City of Los Angeles, 367, 10	
			Orbita, 158, 1,684	

#### BALBOA

American Legion, 2,275, 352	City of Baltimore, 113, 0	Buenos Aires Maru, 41, 5	Reinholt, 1, 0	Flying Cloud, 1,214, 100
Kirisima Maru, 0, 1	Republic, 259, 263	Tela, 0, 1	Lochkatrine, 835, 0	Dunkfeld, 0, 8
Santa Lucia, 16, 2	Maipo, 0, 14	Pericles, 0, 125	Rimutaka, 3, 0	Santa Maria, 1, 3
Conte Biancamano, 4, 0	Salvador, 0, 3	American Legion, 2,98, 1	Laura Maersk, 171, 3	Acajutla, 3, 0
Pereira, 0, 8	City of Los Angeles, 298, 1	San Francisco, 1, 0	Commissaire Ramel, 2,342, 0	Penguin, 41, 0
Watsonville, 4,303, 0	British Columbia Express, 567, 0	Rancagua, 3, 0	Colombia, 1, 0	Conte Biancamano, 1, 0
President Adams, 0, 4	Cadaretta, 3,532, 0	Acajutla, 0, 5	Conte Biancamano, 1, 0	San Bruno, 1, 0
Orduna, 1, 0	Eso Panama, 217, 9	Kinugasa Maru, 2, 0	Oregon Express, 1,522, 1	Santa Teresa, 1, 0
Douro, 0, 47	Sophocles, 1, 0	Heiyo Maru, 878, 4	Red Jacket, 211, 3	Pereira, 0, 1
Eso Panama, 0, 5	Santa Elena, 3, 1	Fella, 0, 1	Kano Maru, 3, 0	Colon, 78, 0
Hollywood, 1, 0	Talisman, 203, 0	Panama Express, 1767, 0	City of San Francisco, 4, 0	Santa Lucia, 33, 4
Santa Barbara, 27, 0	Imperial, 2, 2	Santa Clara, 12, 21	Tuira, 61, 0	California Express, 1,162, 0
Santa Teresa, 2, 0	Orbita, 0, 3	Salvador, 2, 0	Santa Ana, 458, 1	Hokkai Maru, 1, 0
Trondheim, 4, 0	Colombia, 1, 0			

NOTE.—Figures shown represent short tons of 2,000 pounds.

### Passengers

During June 1940, ocean-ship passengers debarking at Cristobal numbered 2,665; embarking, 2,329; at Balboa, 762 debarking and 911 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 4,369; from the Pacific to the Atlantic, 1,445. Commercial aircraft numbering 71 entered Cristobal with 527 passengers debarking; clearances were 68 with 576 embarking. Balboa entries of aircraft numbered 59 with 128 passengers debarking; clearances were 59 with 146 embarking.

















## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Sanuki Maru <sup>2</sup> . . .	6	7	Jap. . .	Nippon Yusen Kaisya	Kobe, Japan . . .	Baltimore, Md. . .	General . . .	7,169
Taira <sup>2</sup> . . .	6	7	Pan . . .	Elliot Ship. & Land Co.	Darien, R. P . . .	Cristobal, C. Z. . .	Bananas . . .	65
Losmar . . .	6	7	Amer. . .	Calmar S. S. Corp. . .	Tacoma, Wash. . .	Albany, N. Y. . .	Lumber . . .	7,069
Andrea F. Luckenbach. . .	6	7	Amer. . .	Chile Nit. Sales Corp.	Chile Nit. Sales Corp.	Antofagasta, Chile	Nitrates . . .	13,600
Cubore . . .	7	7	Amer. . .	Ore S. S. Corp. . . .	Cruz Gr'de, Chile	Baltimore, Md. . .	Iron ore . . .	10,700
Mexican . . .	7	7	Amer. . .	Amer.-Hawaiian Line.	Portland, Oreg. . .	Boston, Mass. . .	Lumber, gen. . .	9,142
Notos <sup>2</sup> . . .	6	8	Neth. . .	Royal Neth. S. S. Co.	Guayaquil, Ecua. . .	Barranquilla, Col. . .	( <sup>13</sup> ) . . .	1,173
Inspiration . . .	8	9	Nie . . .	Cia. Col. de Cabotaje.	B'ventura, Col. . .	Cristobal, C. Z. . .	Coffee, rice. . .	603
Mayari . . .	8	9	Pan . . .	United Fruit Co . . .	B'ventura, Col. . .	New Orleans, La. . .	Ballast . . .	
Cambridge. . .	8	9	Brit. . .	Fed. Steam Nav. Co.,	Bunbury, N. Z. . .	United Kingdom.	Frozen, gen. . .	9,809
Tatuno Maru . . .	8	9	Jap . . .	Nippon Yusen Kaisya	Iloilo, P. I . . .	New Orleans, La. . .	Sug., ore, gen. . .	8,726
Marore . . .	8	9	Amer. . .	Ore S. S. Corp. . . .	Cruz Gr'de, Chile	Baltimore, Md. . .	Iron ore . . .	22,500
Nitro . . .	6	10	Amer. . .	U. S. Navy . . . . .	Honolulu, T. H. . .	Norfolk, Va. . . .	General . . .	191
Flusa <sup>1 2</sup> . . .	6	9	Neth. . .	Anglo-Saxon Pet. Co.	Balboa, C. Z. . .	Aruba, N. W. I. . .	Ballast . . .	
W-41 . . .	9	9	Amer. . .	U. S. Army . . . . .	Balboa, C. Z. . .	Cristobal, C. Z. . .	Tow. barge. . .	
West Cactus . . .	8	9	Amer. . .	McCormick S. S. Co.	Vancouver, B. C. . .	Pt. of Spain, B.W.I.	Lumber, gen. . .	6,940
Cuango <sup>2</sup> . . .	9	9	Pan . . .	Elliot Ship. & Land Co.	Darien, R. P . . .	Cristobal, C. Z. . .	Bananas . . .	55
Ebba <sup>2</sup> . . .	9	10	Pan . . .	Elliot Ship. & Land Co.	Darien, R. P . . .	Cristobal, C. Z. . .	Bananas . . .	49
Santa Clara <sup>2</sup> . . .	9	10	Amer. . .	Grace Line . . . . .	San Antonio, Chile	New York, N. Y. . .	( <sup>14</sup> ) . . .	5,437
Nodavia <sup>2</sup> . . .	8	10	Brit. . .	Donaldson Line . . . .	Victoria, B. C. . .	Glasgow, Scot. . . .	( <sup>15</sup> ) . . .	5,842
Lady Glanely <sup>2</sup> . . .	8	10	Brit. . .	Ministry of Shipping.	Seattle, Wash. . .	England . . . . .	( <sup>16</sup> ) . . .	9,600
Real <sup>2</sup> . . .	9	10	Pan . . .	Elliot Ship. & Land Co.	Darien, R. P . . .	Cristobal, C. Z. . .	Bananas . . .	33
Sona <sup>2</sup> . . .	9	10	Pan . . .	Elliot Ship. & Land Co.	Darien, R. P . . .	Cristobal, C. Z. . .	Bananas . . .	30
Maria Cristina <sup>2</sup> . . .	9	9	Pan . . .	A. Tagaropoulos . . .	Darien, R. P . . .	Colon, R. P . . . .	Plantains . . .	9
Dan-Y-Bryn . . .	8	10	Brit. . .	Ministry of Shipping.	N. West'm'er, B. C.	United Kingdom.	General . . .	9,460
Manoa . . .	9	10	Amer. . .	Matson Nav. Co. . . .	Pt. Allen, T. H. . .	New York, N. Y. . .	Raw sugar . . .	7,030
Edwin Christenson. . .	9	10	Amer. . .	Sudden & Christenson	Seattle, Wash. . .	Baltimore, Md. . .	Lumber . . .	7,337
Edward Luckenbach. . .	9	10	Amer. . .	Luckenbach Line . . .	Seattle, Wash. . .	Boston, Mass. . . .	Sugar, gen. . .	10,400
Maine . . .	9	10	Amer. . .	States S. S. Co. . . . .	Portland, Oreg. . .	New York, N. Y. . .	Lumber . . .	7,800
Sydney Star <sup>2</sup> . . .	9	9	Brit. . .	British Admiralty . . .	Pt. Chalmers, N. Z.	United Kingdom.	Frozen, gen. . .	8,904
Anglo-Peruvian. . .	10	10	Brit. . .	Ministry of Shipping.	Vancouver, B. C. . .	United Kingdom.	Grain, lum . .	9,300
Sinaloa . . .	10	9	Hond. . .	United Fruit Co. . . .	Acajutla, Salv. . .	New York, N. Y. . .	( <sup>17</sup> ) . . .	1,439
Montgomery City. . .	10	9	Amer. . .	Isthmian S. S. Lines.	Kahului, T. H. . .	Baltimore, Md. . .	( <sup>18</sup> ) . . .	8,607

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>13</sup> Rice, coffee, cacao. <sup>14</sup> Copper, bananas, general. <sup>15</sup> Lumber, lead, general. <sup>16</sup> Wheat, lumber, lead, zinc. <sup>17</sup> Coffee, skins, general. <sup>18</sup> Sugar, pines, cane.

## Coal

Coal, bunker, U. S. Navy Standard Pool No. 1, run-of-mine, Pocahontas, or New River, is supplied to steamships, including warships of all nations, at the following prices:

	Per ton of 2,240 lbs.	
	Cristobal-Colon	Balboa
(a) Coal delivered to vessels at Coaling Plants, trimmed in bunkers . . . . .	\$7.75	\$10.75
(b) Coal delivered to vessels by lighters from Cristobal Coaling Plant, trimmed in bunkers . . . . .	8.25	-----
A flat charge of \$52.50 for lighterage on any quantity delivered will be made in addition to the basic price per ton.		
(c) For sacking lump coal for galley use, or other grades of coal, in addition to the basic price per ton.		
Labor, etc. . . . .	3.00	3.00
Sacks, when furnished by Coaling Plant . . . . .	2.00	2.00

If delivery is made at points other than the Coaling Plant, an extra charge covering the cost of delivery will be made.

## Current Net Prices on Fuel Oil and Diesel Oil

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from the tanks of the Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.10 per barrel at Cristobal and Balboa; Diesel oil, \$1.80 per barrel at Cristobal and Balboa.

### Commercial Traffic Through the Panama Canal During Fiscal Year 1940

Segregation of the ocean-going traffic through the Canal during the fiscal year 1940, by nationality, is presented in the following table:

TRAFFIC THROUGH THE PANAMA CANAL DURING FISCAL YEAR 1940 BY NATIONALITY OF VESSELS

Nationality	No. of transits	TONNAGE			Tolls	Tons of cargo
		Panama Canal net	Registered gross	Registered net		
Argentine	1				\$3,977.00	
British	1,073	5,773,030	7,183,615	4,366,324	5,023,216.18	5,182,351
Chilean	38	172,172	253,392	150,242	154,265.22	121,571
Colombian	19	8,588	11,533	7,999	7,322.40	9,041
Danish	174	628,164	696,397	421,865	557,805.42	695,884
Egyptian	7	28,201	33,491	22,954	23,195.34	29,224
Finnish	3	9,351	11,340	6,515	8,038.44	12,640
French	93	378,366	504,354	280,558	335,518.56	341,366
German	55	217,902	271,213	157,326	196,040.34	229,495
Greek	175	785,614	919,087	564,231	670,334.04	994,836
Honduran	81	127,256	218,226	122,454	108,846.54	70,710
Hungarian	1	3,932	4,323	2,737	3,538.80	7,028
Italian	46	319,390	509,098	302,994	286,021.80	171,512
Japanese	272	1,600,295	2,162,006	1,309,213	1,432,980.00	1,863,619
Latvian	7	22,237	29,012	17,632	20,013.30	43,043
Mexican	4	1,483	2,518	1,687	2,934.70	1,897
Netherland	340	626,638	737,918	422,451	551,890.08	617,948
Nicaraguan	7	2,583	4,361	2,436	2,258.28	4,106
Norwegian	557	2,537,264	2,932,868	1,754,229	2,177,121.60	2,905,772
Panamanian	243	463,965	660,181	384,081	393,076.98	513,708
Peruvian	6	10,344	15,598	9,716	9,191.88	9,341
Philippine	14	67,760	71,561	42,439	60,984.00	90,173
Rumanian	4	14,533	16,369	10,209	12,382.02	19,387
Soviet	9	13,807	18,058	10,572	15,243.80	18,278
Spanish	6	23,710	30,378	18,338	19,205.10	22,390
Swedish	110	503,639	1,011,211	472,258	431,678.52	791,083
United States	1,997	9,688,743	12,639,745	7,696,026	8,539,231.68	12,384,617
Uruguayan	1	1,231	1,782	1,120	886.32	
Yugoslav	27	114,168	136,084	84,319	97,477.02	147,996
Total fiscal year 1940	5,370	24,144,366	31,085,719	18,642,955	21,144,675.36	27,299,016
Total fiscal year 1939	5,903	27,170,007	34,583,085	20,745,286	23,661,021.08	27,866,127
Total fiscal year 1938	5,524	25,950,000	32,918,177	19,621,870	23,169,888.70	27,385,924

<sup>1</sup> Estimated tonnage under rules which became effective March 1, 1938.

NOTE.—The above statement includes only ocean-going commercial traffic of 300 net tons and over, Panama Canal measurement, and foreign naval vessels of 500 tons displacement and over.

Floating craft, other than merchant vessels, including foreign warships, pay tolls on displacement tonnage at 50 cents per displacement ton. Included in the preceding tabulation of transits and tolls but not of tonnages, are the following 21 naval vessels of 500 tons displacement and over and 3 dredges which transited the Canal during the fiscal year 1940 and paid tolls on displacement:

Nationality	Type of vessel	No. of transits	Displacement tonnage	Tolls
Argentine	Naval	1	7,954	\$3,977.00
British	Naval	17	94,538	47,269.00
Mexican	Naval	2	3,200	1,600.00
Netherland	Naval	1	999	499.50
Soviet	Dredge	3	5,635	2,817.50
Total		24	112,326	56,163.00

### Provisions Required by Ships

Commissary Division, Panama Railroad Company, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats (including native beef), ice, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery, or for delivery at the other terminal after transit.

## Directory of The Panama Canal

---

### Executive Department

Headquarters, Balboa Heights

Col. GLEN E. EDGERTON, U. S. A., Governor.

E. A. Erbe, Special Assistant to the Governor.

L. A. Poltrino, Secretary.

F. H. WANG, Executive Secretary.

C. M. LUFFER, Chief Clerk.

PAUL A. BENTZ, General Counsel.

GUY JOHANNES, Chief, Police and Fire Division.

C. H. CALHOUN, Chief, Division of Civil Affairs.

BEN M. WILLIAMS, Superintendent, Division of Schools.

SEYMOUR PAUL, Director of Personnel, Division of Personnel Supervision and Management.

E. F. ATTAWAY, General Secretary, Bureau of Clubs and Playgrounds, Balboa.

V. S. BOWEN, Acting Chief, Real Estate Section, Panama Railroad Co., Ancon.

Capt. CHARLES SOMMERS, U. S. A., Senior Aeronautical Inspector.

C. L. BRYAN, Paymaster.

A. H. MOHR, Collector.

---

### Department of Operation and Maintenance

(Under immediate direction of the Governor assisted by the Engineer of Maintenance)

Headquarters, Balboa Heights

Col. R. A. WHEELER, U. S. A., Engineer of Maintenance.

J. G. CLAYBOURN, Superintendent, Dredging Division, Gamboa.

LEONARD FOOTE, Assistant Superintendent, Dredging Division, Gamboa.

Lt. Col. T. B. LARKIN, Supervising Engineer, Special Construction Division, Diablo Heights.

J. C. SWANSON, Safety Engineer, Safety Section, Diablo Heights.

E. S. RANDOLPH, Designing Engineer, Special Engineering Division.

W. H. DUNLOP, Chief of Plans Section.

Lt. Col. D. L. WEART, U. S. A., Assistant Engineer of Maintenance.

Lt. T. DE F. ROGERS, Associate Planning Engineer.

A. C. GARLINGTON, Electrical Engineer, Electrical Division.

G. W. GREEN, Municipal Engineer, Division of Municipal Engineering.

L. B. MOORE, Office Engineer, Office Engineering Division.

R. B. ELY, Chief of Surveys.

E. D. STILLWELL, Superintendent, Locks Division, Pedro Miguel.

G. E. MATTHEW, Chief Hydrographer.

Capt. S. A. MANAHAN, U. S. N., Marine Superintendent, Marine Division.

Comdr. NICHOLAS VYTLACIL, U. S. N., Captain of the Port, Cristobal.

Comdr. GEORGE T. HOWARD, U. S. N., Captain of the Port, Balboa.

Lt. W. H. PRICE, U. S. N., Assistant to Marine Superintendent.

F. DE V. SILL, Director of Admeasurement.

BOARD OF LOCAL INSPECTORS, Comdr. NICHOLAS VYTLACIL, U. S. N., *Chairman*,

Comdr. GEORGE T. HOWARD, U. S. N., and Lt. W. H. PRICE, U. S. N., members.

BOARD OF ADMEASUREMENT, Capt. S. A. MANAHAN, U. S. N., *Chairman*,

F. DE V. SILL, F. E. WILLIAMS, Cristobal, E. STETLER, Balboa, members.

John J. Walker, Recorder for Board of Local Inspectors and Board of Admeasurement.

O. MAESSEN, Inspector of Hulls and Boilers.

G. W. PENSEYRES, Pilot in Charge, Lighthouse Subdivision, Gatun.

Capt. E. R. NORTON, Construction Corps, U. S. N., Superintendent, Mechanical Division, Balboa.

H. H. EVANS, Assistant Superintendent, Mechanical Division, Balboa.

Lt. Robert A. HINNERS (C. C.), U. S. N., Assistant to the Superintendent, Mechanical Division, Balboa.

W. H. STONE, Production Superintendent, Cristobal Shops, Cristobal.



**Supply Department**

Headquarters, Balboa Heights

- ROY R. WATSON, Chief Quartermaster.  
 J. H. K. HUMPHREY, 1st Asst. Chief Quartermaster.  
 J. M. KING, District Quartermaster, Ancon-Balboa, Balboa Heights.  
 B. T. CARR, District Quartermaster, Cristobal-Gatun, Cristobal.  
 G. H. CASSELL, District Quartermaster, Pedro Miguel-Gamboa, Pedro Miguel.  
 W. R. LINDSAY, Director, Canal Zone Experiment Gardens, Balboa Heights.  
 L. W. LEWIS, 2d Asst. Chief Quartermaster.  
 FAY E. POWELL, Constructing Quartermaster.  
 P. G. ILLWITZER, General Storekeeper, Balboa.  
 SAMUEL GRIER, Superintendent, Animal and Motor Transportation Division,  
 Ancon.  
 T. A. AANSTOOS, Printer, Panama Canal Press, Mt. Hope.

**Accounting Department**

Headquarters, Balboa Heights

- WILSON H. KROMER, Comptroller.  
 ARNOLD BRUCKNER, Assistant Comptroller on the Isthmus.  
 CARL F. CHASE, Chief Accountant.  
 WILLIAM E. TAYLOR, Principal Accountant.  
 T. M. DRAKE, Chief Examiner.  
 H. H. HUDSON, Claim Officer.  
 J. R. BOBBITT, Railroad Accountant.

**Health Department**

Headquarters, Balboa Heights

- Col. M. C. STAYER, U. S. A., Chief Health Officer.  
 Dr. D. P. CURRY, Assistant Chief Health Officer.  
 Dr. K. O. COURTNEY, Assistant to Chief Health Officer.  
 Surgeon G. J. VANBEECK, U. S. P. H. S., Chief Quarantine Officer.  
 Dr. PHILIP HORWITZ, Quarantine Officer, Cristobal.  
 Dr. J. D. ODOM, Quarantine Officer, Balboa.  
 Col. MICHAEL A. DAILEY, U. S. A., Superintendent, Gorgas Hospital, Ancon.  
 Lt. Col. H. C. DOOLING, U. S. A., Superintendent, Colon Hospital, Cristobal.  
 Lt. Col. CLEVE C. ODOM, U. S. A., Superintendent, Corozal Hospital, Corozal.  
 Dr. J. C. ELLINGTON, Health Officer of Panama City, Ancon.  
 Dr. J. L. BYRD, Health Officer of Cristobal-Colon, Cristobal.

**Wage and Complaints Boards**

Balboa Heights

**Wage Board:**

- Lt. Col. D. L. WEART, representing The Panama Canal.  
 CHARLES F. WAHL, representing employees.

**Complaints Board:**

- Lt. Col. D. L. WEART, and head of Department or Division interested, representing  
 The Panama Canal.  
 CHARLES F. WAHL, representing employees.

**The Panama Canal in the United States**

Address, 1435 K Street N. W., Washington, D. C.

- B. F. BURDICK, Chief of Office and General Purchasing Officer.  
 F. B. HEIMER, Assistant to the Chief of Office.  
 E. D. ANDERSON, Chief Clerk, Purchasing Department.  
 E. B. DEGRAW, Acting Assistant Comptroller.  
 R. P. GREENWOOD, Inspecting Engineer.  
 W. J. SHERIDAN, Assistant Purchasing Agent, 24 State St., New York, N. Y.

**Panama Railroad Company**

Headquarters Balboa Heights

- Brig. Gen. C. S. RIDLEY, U. S. A., President.  
 Col. GLEN E. EDGERTON, U. S. A., Second Vice President.  
 C. T. LINDSAY, General Manager.  
   E. D. MASON, Assistant to General Manager.  
   J. H. STILSON, JR., Commercial Agent.  
   P. L. MALONE, Master of Transportation.  
   E. N. STOKES, Roadmaster.  
   A. L. PRATHER, Receiving and Forwarding Agent, Cristobal.  
 W. H. KROMER, Comptroller.  
 C. L. BRYAN, Paymaster.  
 A. H. MOHR, Collector.  
 R. R. WATSON, Chief Quartermaster.  
   J. H. K. HUMPHREY, Assistant Chief Quartermaster.  
   A. W. GOULET, General Manager, Commissary Division, Mt. Hope.  
   JAS. E. LEWIS, Manager, Hotel Tivoli, Ancon.  
   D. J. HENDRICK, Manager, Hotel Washington, Cristobal.  
   Dr. T. L. CASSERLY, Manager, Mindi Dairy, Mt. Hope.  
 Capt. E. R. NORTON, Construction Corps, U. S. N., Mechanical Superintendent.  
 Lt. Col. D. L. WEART, U. S. A., Assistant Engineer of Maintenance.  
   A. C. GARLINGTON, Electrical Engineer.  
 F. H. WANG, Special Counsel.  
 J. O. COLLINS, Counsel.

---

*Office in the United States, 24 State Street, New York City*

- T. H. ROSSBOTTOM, Vice President.  
 W. R. PFIZER, Third Vice President and Secretary.  
 G. R. SELKIRK, Treasurer.  
 W. L. HALL, Auditor.  
 W. K. B. POTTS, Superintendent.  
 WAYNE JOHNSON, General Counsel.  
 W. M. LLOYD, Freight Traffic Manager.  
 W. G. FITCH, Passenger Traffic Manager.  
 W. J. SHERIDAN, Commissary Purchasing Agent.

**Courts of Canal Zone**

Ancon, C. Z.

*U. S. District Court:*

- BUNK GARDNER, District Judge.  
 HERBERT H. HUNT, Jr., Clerk of Court.  
   Miss DOROTHY SELLARS, Deputy Clerk of Court.  
   Miss SARAH DE LA PENA, Deputy Clerk of Court.  
   C. T. McCORMICK, JR., Deputy Clerk of Court, Cristobal.  
   R. S. LOVE, Secretary to Judge and Court Reporter.  
 J. J. McGUIGAN, District Attorney.  
   PARIS T. HOUSTON, Assistant District Attorney.  
 JOHN E. HUSHING, Marshal of the United States in and for the Canal Zone  
   FRANK H. BASSETT, Jr., Deputy Marshal of the United States in and for the  
   Canal Zone.

*Magistrates Courts:*

- C. G. DECKER, Magistrate, Balboa.  
 E. I. P. TATELMAN, Magistrate, Cristobal.

**Hours of Departure of Passenger Trains**

Following are the hours of departure of the regular passenger trains of the Panama Railroad running between the Atlantic and the Pacific sides:

From Colon: Daily, 7:00 a. m.; 11 a. m.; 5 p. m.; 10 p. m.

From Panama: Daily, 7:05 a. m.; 1:10 p. m.; 5 p. m.; 7:55 p. m.

The time required for passage from one terminal to the other is 1 hour and 25 minutes.

**Binders for The Panama Canal Record**

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

# INDEX

## A

ACTIVITIES, terminal, monthly statements, 7, 27, 47, 67, 88, 107, 127, 143, 159, 179, 195, 211.  
Address, telegraphic, of The Panama Canal, 17.

## B

BINDERS for THE PANAMA CANAL RECORD, 40, 120, 188, 224.

## C

### CARGO:

Discharged and laden at terminal ports, 8, 28, 48, 68, 89, 108, 128, 144, 160, 180, 196, 212.

Handled at terminal ports, 7, 27, 47, 67, 88, 107, 127, 143, 159, 179, 195, 211.

Origin and destination of, by major areas, 3, 23, 43, 63, 83, 103, 123, 139, 155, 175, 191, 207.

Chandlery supplies, available at the Panama Canal, 56, 87, 152.

Coal, price of, 18, 38, 57, 77, 98, 117, 220.

Commodities, monthly statements:

Principal, 3, 23, 43, 63, 84, 103, 123, 139, 155, 175, 191, 207.

United States intercoastal, and all trade routes in detail, 3, 23, 43, 63, 84, 103, 123, 139, 155, 175, 192, 208.

Consular Officers, accredited to Canal Zone, 58, 99, 119, 170.

## D

### DIRECTORY:

The Panama Canal and Panama Railroad, 222.

## F

FACILITIES for shipping, available at the Panama Canal, 20, 40, 120.

## H

HOLIDAY greetings, 81.

Hospital, Gorgas, location of patients and visiting hours, 40, 79.

## I

INFORMATION regarding Panama Canal furnished by consular officers, 20, 56, 171.

## O

OIL lubrication, available at Panama Canal storehouses, 19, 29, 60, 80, 172.

Fuel and Diesel oil prices, 20, 38, 48, 77, 98, 117, 152, 169, 188, 196, 220.

Officers, consular, accredited to Canal Zone, 58, 99, 119, 170.

## P

PASSENGERS arriving and departing, 8, 28, 48, 68, 89, 108, 128, 144, 160, 180, 196, 212.

Provisions required by ships, available at Panama Canal, 20, 28, 77, 171, 221.

Publications of notices and circulars of interest to shipping, 18, 37, 57, 78, 118.

## R

RUMANIAN vessel, transit of, 142.

## S

SHIPS' chandlery, 56, 87, 152, 178.

Suez Canal traffic compared with Panama Canal traffic, 17, 37, 57.

Supplies:

Miscellaneous, price of, at Panama Canal storehouses, 19, 29, 60, 78, 100, 169, 188, 204.

## T

TERMINAL activities, 7, 27, 47, 67, 88, 107, 127, 143, 159, 179, 195, 211.

Tolls charges for transit of Panama Canal, 18, 38, 59, 78, 172.

Traffic:

Monthly statements—

All traffic, total of, 1, 21, 41, 61, 81, 101, 121, 137, 153, 173, 189, 205.

By nationality, 2, 22, 42, 62, 82, 102, 122, 138, 154, 174, 190, 206.

By trade routes, 2, 22, 42, 62, 82, 102, 122, 138, 154, 174, 190, 205.

Comparison, current month with same month in previous years, 7, 27, 47, 67, 88, 107, 127, 143, 159, 179, 195, 211.

Comparison, current year with that of previous years, 1, 21, 41, 61, 82, 101, 121, 137, 153, 173, 189, 205.

Small commercial traffic, 1, 21, 41, 61, 82, 101, 121, 137, 153, 173, 189, 205.

Tanker traffic, 6, 26, 46, 66, 87, 106, 126, 142, 158, 178, 194, 210.

Vessels entering and clearing port, 7, 27, 47, 67, 88, 107, 127, 143, 159, 179, 195, 211.

Movement of ocean vessels through Canal, 9, 29, 49, 69, 90, 109, 129, 145, 161, 181, 197, 213.

By nationality during calendar year 1939, including foreign naval vessels, 118.

By nationality during fiscal year 1940, including foreign naval vessels, 221.

Train, schedule, Panama Railroad, departure of trains, from terminals, 20, 40, 120, 188, 224.

Trips through the Canal, 20, 40

## W

WATER, density of, in Balboa and Cristobal harbors, 20, 28.

○



















UNIVERSITY OF FLORIDA



3 1262 08543 6201