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# PANAMA CANAL COMPANY CANAL ZONE GOVERNMENT

# ANNUAL REPORT

FISCAL YEAR ENDED JUNE 30, 1958



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# **PANAMA CANAL COMPANY**

Balboa Heights, Canal Zone OFFICE OF THE PRESIDENT

January 5, 1959.

TO THE STOCKHOLDER OF THE PANAMA CANAL COMPANY:

The year just ended broke all records for number of ships transiting the Panama Canal and tolls collections. A total of 9,466 oceangoing vessels were transported from ocean to ocean. These ships sailed under the flags of some 36 different nations of the world.

This record level of traffic was handled with a minimum of delays to our customers. This accomplishment is especially significant in view of the fact that the periodic overhaul of the Pacific locks was performed during this period.

Work was started on the canal improvements which were developed and approved in connection with the Short Range Panama Canal Improvements Study of 1957. These improvements are designed to increase the capacity of the canal to handle the anticipated volume of traffic for the next decade.

The Board of Directors, through a committee consisting of three members, continues the studies of longer range canal requirements. Several elements of these studies, notably the future traffic projections, have been completed.

Down through the years the Panama Canal has kept pace with world shipping requirements. It is the intention of your Board of Directors to keep well ahead of future demands on the canal by timely recommendations for needed improvements.

By order of the Board of Directors.

W. E. POTTER, President.

# CONTRACTOR OF A DESCRIPTION OF A DESCRIP

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Introduction

### THE CANAL

The Panama Canal is a lock-type canal that connects the Atlantic and the Pacific Oceans through the Isthmus of Panama, traversing a distance of approximately 51 miles from deep water to deep water. In the dredged channel, the canal has a minimum width of 300 feet and a minimum depth of 42 feet. The greatest part of the canal channel is at the level of Gatun Lake, the surface of which is normally 85 feet above sea level. In transiting the canal a ship is raised in three steps from sea level to the level of Gatun Lake, and subsequently lowered in three steps to sea level at the other side of the isthmus. The six steps or flights of locks are in duplicate, to enable simultaneous lockage of two ships transiting in the same direction or of ships passing in opposite directions.

The past fiscal year marked the completion of 44 years of successful operation of the canal. The canal was opened on August 15, 1914, and has served world commerce without major interruption since fiscal year 1916, when the last canal-closing slide occurred in Gaillard Cut at the Continental Divide. A total of 274,529 vessels of all types have made the canal transit, of which 206,734 were oceangoing commercial vessels plying the various channels of world trade. The service provided by the canal has, moreover, been of incalculable value to the United States and her allies in time of war.

### ORGANIZATION

The Panama Canal Company Act, which created the Panama Canal Company and defined its basic purposes, organization, rights, powers, and obligations, constitutes article 3 of chapter 12 of Title 2, Canal Zone Code, consists of sections 245 to 258 of Title 2, Canal Zone Code, and was enacted by the act of June 29, 1948 (62 Stat. 1076), as amended by the act of September 26, 1950 (64 Stat. 1041). This act became effective on July 1, 1951, pursuant to the provisions of Executive Order 10263 of June 29, 1951. In its capacity as owner of the Company, the U.S. Government is represented by the Secretary of the Army, referred to as "Stockholder," in his individual capacity as the personal representative of the President of the United States for such purpose. The Company operates under the management of a Board of Directors appointed by the Stockholder. The Company is charged with the maintenance and operation of the Panama Canal and the conduct of the business-type operations incident to such maintenance and incident to the civil government of the Canal Zone.

maintenance and incident to the civil government of the Canal Zone. The Company and the Canal Zone Government, the independent agency of the United States charged with the civil government of the Canal Zone, are closely interrelated in mission, organization, and operations. The combined function of these agencies is the administration of the Panama Canal enterprise as a whole. The Governor of the Canal Zone, who is charged with the administration of the Canal Zone

INTRODUCTION

Government, under the supervision of the Secretary of the Army, is ex officio a director and President of the Company.

The Panama Canal Company is expected (a) to recover all costs of operation and maintenance of its facilities, including depreciation; (b) to pay interest to the Treasury on the net direct investment of the Government in the Company; and (c) to reimburse the Treasury for (1) the annuity payments to the Republic of Panama under the convention of 1903 as modified by the treaty of 1936 between the two governments, and (2) the net costs of operation of the Canal Zone Government, including depreciation on fixed assets. The interest rate for the fiscal year 1958, as set by the Secretary of the Treasury, was 2.482 percent. The Board of Directors is required to appraise, at least annually, the Company's working capital requirements, together with reasonable foreseeable requirements for authorized plant replacement and expansion, and to pay into the Treasury as a repayment of capital the amount of any funds in excess of such requirements. All funds other than working balances are carried with the U.S. Treasury.

The activities of the Company are classified under two major headings, namely: (a) the canal and (b) supporting operations. Category (a) embraces those functions directly related to the waterway and the transiting of ships and to services to shipping, including maintenance of the canal channel, maintenance and operation of the locks, meteorology and hydrographic services, and a ferry service across the canal at Balboa. The supporting operations include vessel repairs, and harbor terminal operations, a railroad across the isthmus, a steamship line operating between New York and the Canal Zone, motor transportation facilities, storchouses, an electric power system, a communications system, and service activities that are essential to employees' needs including the operation of quarters, retail stores, and service centers.

### **TOLLS RATES**

The rates of canal tolls remained unchanged during the year. These rates are as follows:

(a) On merchant vessels, Army and Navy transports, tankers, hospital ships, supply ships, and yachts, when carrying passengers or cargo: 90 cents per net vessel-ton of 100 cubic feet of actual earning capacity—that is, the net tonnage determined in accordance with the Rules for the Measurement of Vessels for the Panama Canal;

(b) On such vessels in ballast, without passengers or cargo: 72 cents per net vessel-ton;

(c) On other floating craft: 50 cents per ton of displacement.

Tolls charges for the canal remain substantially at the level established in 1912 in anticipation of the completion of the construction of the canal.

#### PANAMA CANAL COMPANY

# BOARD OF DIRECTORS AND GENERAL OFFICERS OF THE PANAMA CANAL COMPANY AS OF JUNE 30, 1958

### **Board of Directors**

Hon. WILBER M. BRUCKER, Secretary of the Army, Stockholder Hon. George H. Roderick, As-Howard C. Petersen. sistant Secretary of the Army, Maj. Gen. William E. Potter, Chairman of the Board. USA. Charles S. Reed. John H. Blaffer. Robert P. Burroughs. Ogden R. Reid. Maj. Gen. Julian L. Schlev. Ralph H. Cake. Maj. Gen. Glen E. Edgerton, USA (Ret.). Ralph A. Tudor. USA (Ret.). John W. Martyn

### **General Officers**

GEORGE H. RODERICK, Chairman of the Board. Maj. Gen. WILLIAM E. POTTER, USA, President. Col. HUGH M. ARNOLD, USA, Vice President. PHILIP L. STEERS, Jr., Comptroller. WILLIAM M. WHITMAN, Secretary.

# COMPARATIVE TABULATIONS OF HIGHLIGHTS OF OPERATIONS

	Fiscal year	
	1958	1957
Net income	\$2, 826, 381	\$3, 821, 456
Number of oceangoing transits: Commercial U.S. Government	9, 187 279	8, 579 269
Total	9, 466	8,848
Tolls earnings (including small vessels):	1	
Commercial U.S. Government	41, 843, 525 990, 481	$38, 513, 404 \\ 1, 140, 116$
Total	42, 834, 006	39, 653, 520
Total cargo transiting (long tons)	48, 934, 829	50, 649, 835
Gatun	8, 548	8, 053
Pedro Miguel	8, 815	8,260
Miraflores Terminals operations (tons of cargo handled, trans-	8, 655	8, 244
ferred, and stevedored at piers)	1, 833, 087	2,049,605
Oil handling (number of barrels pumped)	16, 410, 902	16, 948, 273
Maintenance of channel (cubic yards dredged)	5, 156, 700	5, 010, 600
Number of full-time company employees (as of June 30):		
U.S. rate	2, 755	2, 697
Canal Zone rate	8, 391	8, 154
Total Company employees	11, 146	10, 851

#### SUMMARY

### Panama Canal Company Operations

Canal traffic.—Commercial transits and tolls reached an alltime high record in 1958. For the seventh consecutive year tolls paid on such vessels exceeded previous records. Total oceangoing transits in fiscal year 1958 advanced to 9,466, and tolls revenues from oceangoing ships to \$42,768,015, gains of 7 percent and 8 percent, respectively, over the previous year.

This record level of traffic was handled with a minimum of delay to shipping customers. The accomplishment is especially noteworthy in view of the fact that the periodic overhaul of the Pacific Locks, comprising two out of the three sets of locks, was performed during the fiscal year period.

Cargo moving through the canal totaled 48,916,119 long tons, the second highest tonnage in the history of the canal, and only 3 percent below the alltime high established in 1957.

Commercial traffic comprised 94 percent of the combined commercial/Government total in 1958. Oceangoing commercial transits of 9,187 exceeded by 7 percent the record of 8,579 established in 1957; commercial tolls collected amounted to \$41,795,905, a gain of 8.7 percent, while commercial cargo totaled 48,124,809 long tons, 3 percent under the previous year.

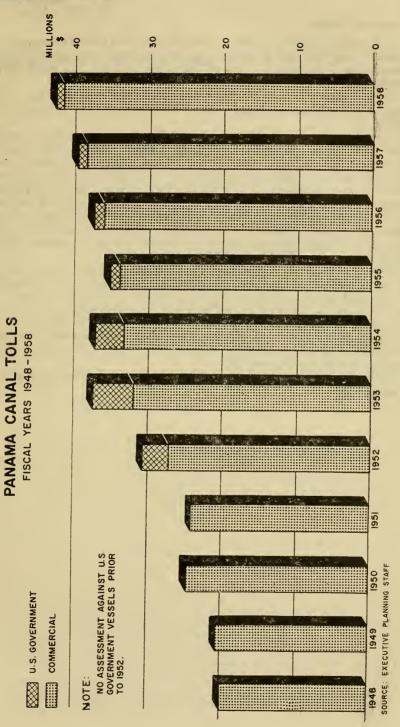
Of the total cargo transiting in commercial bottoms during the year, 23,580,878 long tons moved from the Atlantic to the Pacific, a decrease of 7 percent under the tonnage moving in that direction in 1957. The Pacific-to-Atlantic volume totaled 25,354,239 long tons, a gain of about 5 percent over 1957.

The grand total of transits for the year by all classes and sizes of tolls-paying vessels was 10,553.

During the month of March 1957, oceangoing traffic through the canal established a record high total of 840 transits, the highest month in the history of the canal. In October 1957, the second highest total, 836 transits, were recorded. Further records established in fiscal year 1958 included total tolls revenues of \$42,834,006, while cargo movements totaling 48,934,829 long tons were the second highest in the canal's history.

One of the significant features contributing to the increase of commercial traffic during the year was the abnormal rise in the number of vessels transiting in ballast. An appreciable increase was noted as early as the close of the first quarter, in the number of tankers, cargo vessels, and ore carriers transiting without cargo. The increase in ballast tonnage of tankers is due principally to the heavy movements of Venezuelan and West Indies mineral oils through the canal to the Pacific, with tankers returning empty. The newly built bulk carriers of large capacity have stimulated movements of oil and ores, and usually go one direction in ballast. Most of the ballast tonnage is normally attributable to general cargo vessels and consists of fruit ships returning empty to the banana ports of Central and South America; however, an increasing number of dry-cargo vessels moved through the canal with empty holds during the past year. This situation is indicative of reduced cargo movements, low charter rates, or a combination of both of these factors.





### Financial review

It is again a pleasure to report that the Panama Canal Company has finished another year without cost to the American taxpayer, thus completing 7 successive years of operation without loss since its reorganization on July 1, 1951.

As to dollar volume of traffic, fiscal year 1958 was the best in the history of the Panama Canal. Gross tolls amounted to a record \$42.8 million.

Revenues exceeded expenses by \$2.7 million for the year, after provision for (1) payments to the U.S. Government of \$20 million covering interest, net cost of the Canal Zone Government, and annuity payments to the Republic of Panama; and (2) retroactive costs of approximately \$1 million for various wage increases granted toward the close of the year or during the first quarter of fiscal year 1959. Expenses do not reflect depreciation charges against certain assets (historically classified as nondepreciable), such as the excavation of the canal channel and other similar items valued at \$282.1 million.

We are pleased to report that the Company's financial statements for fiscal year 1957 have been certified by the Comptroller General of the United States. This certification was made possible as a result of approval by the Director of the Bureau of the Budget of the valuation of certain assets included in the U.S. Government's net direct investment in the Company, final disposition of a major lawsuit involving toll rates, and the satisfactory results of an independent audit made by the General Accounting Office.

Financial statements and comments appear in chapters 5 and 7, respectively.

Chapter 1

# **REVIEW OF CANAL TRAFFIC**

### **OCEANGOING TRAFFIC<sup>1</sup>**

Another significant story in Panama Canal traffic records became apparent as early as March 1958. At the close of the fiscal year the number of oceangoing transits, the net tonnage of vessels, and the receipts for tolls from vessels transiting the canal exceeded those in any preceding year in the history of the canal operations. This marked the seventh consecutive year that new records have been established for commercial traffic using the waterway.

The number of commercial ships transiting the canal averaged 25.2 per day, and for the first time such transits exceeded the 9,000 mark for a single year, recording a total of 9,187 transits for this fiscal period. A grand total of 9,466 oceangoing vessels made the passage during the year; of these, 9,187 were of strictly commercial types, and the other 279 were U.S. Government owned or controlled vessels.

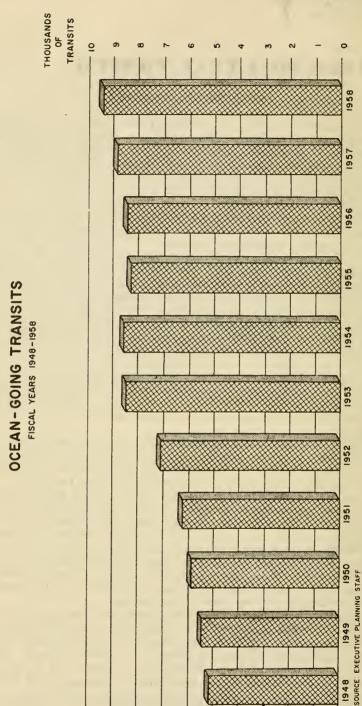
Flags of 36 nations were flown over the commercial ships transiting, for which the Panama Canal Company received \$41,795,905 in tolls for services rendered; in addition, \$972,109 was received in tolls credits from the U.S Government vessels. The \$42,834,000 paid and credited in tolls during the year marked the first time in the history of the waterway that such income has exceeded the \$40 million total. This is an increase of 8 percent above the previous year's figures. U.S. owned or controlled vessels that transited during the year were at their lowest level since 1940. This was the first year since 1940 that income from this classification of ships fell below \$1 million.

Commercial cargo tonnage passing through the canal failed by 1,577,391 long tons of equaling the record established during the previous year. However, the 48,125,000 long tons of commercial cargo transiting did establish the second highest tonnage in the history of the canal. The Pacific-to-Atlantic flow of cargo regained its first-place position and established a new record with 25,281,508 long tons of cargo. On the other hand, the Atlantic-to-Pacific movements of cargo were 10 percent below the volume that moved in this direction during the previous year. This decline is attributed to a sharp reduction in shipments to Japan which were down by some 2,240,000 long tons from the previous fiscal year. Scrap metal shipments to Japan were 965,000 long tons lower than in the previous year, accounting for a large part of this docline.

The declining movement of cargo to Japan contributed significantly to the fact that the volume of U.S. exports that passed through the waterway was some 2,777,000 long tons short of the volume which transited the canal during the previous 12-month period. Some 17,867,000 long tons of cargo transiting the canal this fiscal year originated in the United States, and import tonnage to the United

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<sup>&</sup>lt;sup>1</sup> Vessels of 300 tons and over (Panama Canal measurement) for vessels rated on net tonnage, or of 500 tons, displacement and over for vessels rated on displacement tonnage (naval vessels, dredges, etc.).



8

States which passed through the canal during the year established a new high of some 18,690,000 long tons, a gain of 13 percent above the previous year.

The increasing size of commercial ships using the Panama Canal is bringing increasingly larger tolls per transit. In fiscal year 1952, the average amount collected per transit was \$4,127; during fiscal year 1958, this per transit average increased to \$4,549. The growth in larger ships is probably best illustrated by the fact that since 1955 ships transiting the canal in a single year with beams of 86 feet or greater have increased from 13 such ships to a total of 109 for the year just concluded. Clear-cut transits have increased from 696 in 1955 to 1,087 in 1958, or 56 percent. This type of transit is of significant importance because of its effect on the capacity of the canal. The average oceangoing commercial vessel transiting was slightly larger than in previous years, averaging 5,221 Panama Canal net vessel tons in comparison with the 5,088 average in 1957.

A tabulation of the four principal features of traffic for the fiscal years 1958, 1957, and 1956 is shown below:

	Fiscal year		
	1958	1957	1956
Number of oceangoing transits Net tonnage (Panama Canal meas-	9, 466	8, 848	8, 475
urement) Cargo (long tons of 2,240 pounds) Tolls and tolls credits	49, 110, 351 48, 916, 119 \$42, 768, 015	45, 018, 760 50, 624, 373 \$39, 561, 595	42, 685, 742 46, 269, 163 \$37, 369, 533

### **OTHER TRAFFIC**

In addition to the oceangoing vessels, 1,087 small craft of less than 300 net tons, Panama Canal measurement (or under 500 displacement tons on vessels assessed on displacement tonnage), transited the canal during fiscal year 1958. Transits of these small vessels have but slight effect on workloads and tolls revenue volume, and are generally excluded from analysis of canal operations. Also excluded from the preceding table are statistics on 55 vessels exempted from tolls charges, including vessels owned, operated, or chartered by the Government of the Republic of Panama, war vessels of the Republic of Colombia, and vessels transiting the canal solely for repairs at the Panama Canal shops. Further details on this traffic will be found in table 26, chapter V, page 109.

## **COMMERCIAL TRAFFIC HIGHLIGHTS**

In October 1957, the Grace liner Santa Mercedes, made the 200,000th commercial transit of the waterway, less than 8 years after the SS Nevadan of the American Hawaiian Line became the 150,000th customer, April 26, 1951. It was on October 10, 1938, that the Steel Export, operated by the Isthmian Steamship Line, made the 100,000th transit of the canal.

### **PRINCIPAL TRADE ROUTES**

Approximately 79 percent of the commercial traffic served by the Panama Canal in fiscal year 1958 moved over eight main routes of trade. The table below shows the net vessel tonnage (Panama Canal measurement) moving over these routes in fiscal year 1958 and 1957, with the percentage change between the 2 years.

	Fiscal year		
	1958	1957	Percent in-
Trade route	(In thousand Canal n	ls of Panama net tons)	crease or (decrease)
East coast United States/Canada and Asia East coast United States and west coast South	9, 282	9, 232	0.5
America	8,421	6,739	25.0
Europe and west coast United States/Canada	5, 386	4,685	15.0
Europe and west coast South America	4, 566	4,040	13. 0
United States intercoastal	3,675	3,282	12.0
Europe and Oceania	3,014	3, 698	(18.5)
East coast United States and west coast Central			
America/Mexico	1, 815	1, 383	31.2
West coast United States and east coast South			
America	1,769	1, 140	55.2
All other	9, 996	9, 429	6. 0
Total	47, 924	43, 628	9.8

An increase of 9.8 percent is shown in the volume of net vessel tonnage transiting the canal this fiscal year over the previous year, with the highest volume change in shipments occurring again in the east coast United States and west coast of South America trade.

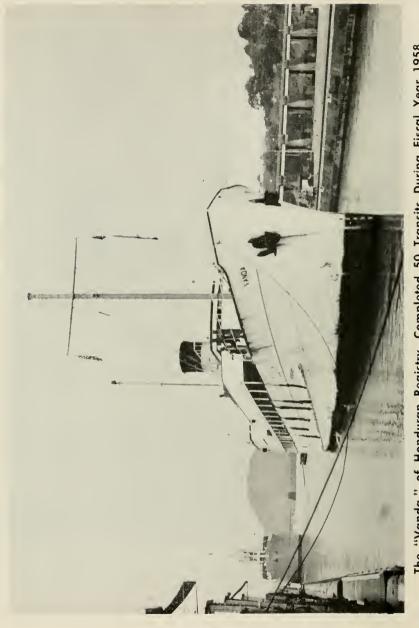
All the major routes ranking in position 1 to 8 maintained their status in the lineup of principal trade routes served by the canal. The east coast United States and west coast South America area, which retained its second position in importance among the routes, shows the highest percentage gains in both net tonnage and cargo movements. Some gains were reflected on each of the other trade routes with the exception of the route between Europe and Oceania, on which net tonnage declined by 684,000 net tons, or 18.5 percent. The greatest net tonnage gains recorded were in the tonnages between the east coast United States and west coast of South America, up 1,682,000 tons, or 25 percent, and between Europe and west coast United States/Canada, which increased by 701,000 tons, or 15 percent.

A brief discussion of shipping engaged in these trade routes is given in the following paragraphs:

East coast United States/Canada-Asia.—Traffic in these two important areas retained first-place position for the seventh consecutive year among the various trade routes served by the canal. The volume of net tonnage used on this route, Panama Canal measurement, established a new high, however, the volume of cargo moving between the two areas was 18 percent below the previous year, yet accounted for some 42 percent of all the Pacific-bound cargo. Again, Pacific-bound traffic accounted for the majority of the net tonnage, forming 67 percent of a total of 9,282,000 net tons. Substantial losses were sustained in cargo shipments in the east-to-west movement, principally in rice, ammonium compounds, iron and steel manufactures, scrap and various other metals, and phosphates. The decrease in scrap iron shipments alone accounted for some 980,000 long tons. On the other hand, noticeable increases in this direction were made in exports of corn, up



SS "Santa Mercedes" Making 200,000th Commercial Transit of Canal.



The "Vanda," of Honduran Registry, Completed 50 Transits During Fiscal Year 1958.

#### PANAMA CANAL COMPANY

190,000 long tons, soybeans increased by 121,000 long tons, with wheat beginning a substantial movement for the first time since 1955.

In the other movement, west to east, a decrease of some 282,000 long tons was experienced under the 1957 period, with losses in shipments of chrome ore and sugar predominating and accounting for 232,000 tons, or 82 percent of the total tonnage lost.

East coast United States-west coast South America.-For the seventh consecutive year this trade route continued its spectacular rise in all phases of shipping, and held its second-ranking position in importance to the Panama Canal. The net tonnage moving over this route increased by a significant rise of 1.682,000 net vessel tons, a 25-percent increase over the volume moving during the preceding year. This is the most impressive gain among the various trade routes. It is over this lane that the large quantitites of essential raw materials such as the various ores flow to the industrial areas of the United States. Usually, the volume of net tonnage totals approximately the same in each direction, but during this fiscal year west-to-east movements exceeded east-to-west by 590,000 tons. Eighty-four percent of the cargo tonnage moved west to east during this fiscal year, an increase of 24 percent, despite the existing business recession in progress in the United States. Shipments of iron ore, up by 1,313,000 long tons from the previous year, showed the most significant commodity increase, amounting to 33 percent. Slight increases over last fiscal vear were noted in shipments of bananas, coffee, and sugar.

Europe and west coast United States/Canada.—This major route continued to rank third in importance for the seventh consecutive year, accounting for a total of 5,386,000 net vessel tons and showing a gain of 15 percent over last fiscal year. Movements of cargo in this trade are predominantly eastbound and this year's movement in that direction formed 85 percent of the total cargo exchanged by the two regions. Total cargo moving in the trade, amounting to 6,015,000 long tons, showed a slight gain of less than 1 percent. Two commodity groups lumber and barley—made up 31 percent of the 5,126,000 long tons of cargo shipped eastward, showing gains of 41 percent and 56 percent, respectively, over such shipments last year. Wheat, for years one of the most important commodities shipped in appreciable quantities in the trade, sustained a decided decrease of 552,000 long tons this period, or 23 percent under last year's total of 2,394,000 long tons.

Europe and west coast of South America.—Net vessel tonnage in this route, the fourth-ranking one, was up by slightly more than 500,000 net tons. This is a gain of 13 percent over the preceding fiscal year, when a 10-percent increase was registered in the net tonnage utilized over the route. Coupled with this continued gain in net tonnage volume, of course, is the phenomenal increase in vessels being employed to transport the increasing volume of goods exchanged between the two areas.

Although the volume of goods exchanged between the areas this fiscal year continued to rise, a total of 3,694,000 long tons being recorded in comparison with 3,590,000 tons last year, the 1958 period shows the slightest increase in tons of cargo since 1954 when only 2,025,000 tons was exchanged in the trade. As in past years, the movement of cargo was predominantly west to east which this year accounted for 79 percent of the total cargo moved over the route. Despite the business recession in progress, which is being felt especially in world commerce, raw materials obtained from the west coast of South America for European industries continued to show increases. Again, as in fiscal year 1956, a very slight decrease in cargo shipments is recorded in the east to west direction, down by 2 percent over 1957 figures.

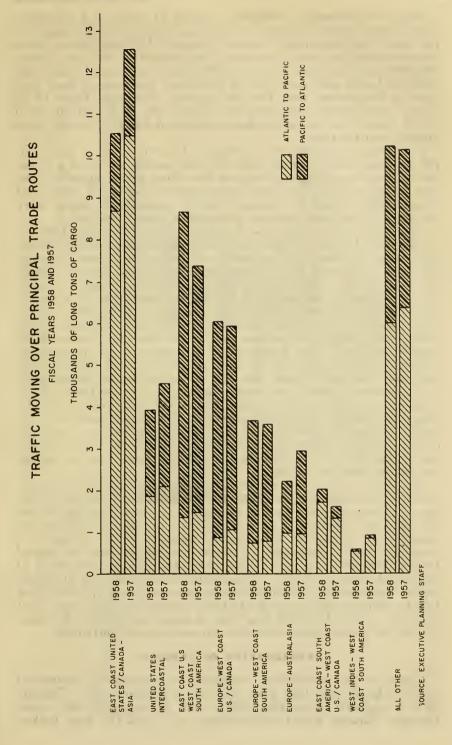
The most important percentage increase in commodity shipments over the route occurred in bananas, up by 73,000 long tons, or an increase of 37 percent. Shipments of nitrate of soda ranked second in importance of increases with 502,000 long tons, or a rise of 35 percent in comparison with 373,000 long tons in 1957. Iron ore moving from western South America to European ports again showed a slight gain over last year, utilizing 1,064,000 long tons to compare with the 1,009,000 tons in 1957.

Western Germany continued to be the principal recipient of eastward-bound cargo, receiving 964,070 long tons, a gain of 35 percent over last year. The Netherlands ranked in second place, receiving 650,974 long tons, while Great Britain was third with 438,773 tons. Belgium and Germany were again the principal suppliers of westwardbound cargo, with Belgium exporting some 205,000 long tons and Germany 185,000 tons.

A 69-percent increase in the number of vessels operating in these trade areas is shown within the past 5 fiscal years. From a total of 562 in 1954 to a total of 949 in 1958, there was a total of 387 ships added in the trade with the largest single addition of 114 craft occurring in fiscal year 1958. This is an increase of 39 percent in vessels over the fiscal year 1957.

United States intercoastal.—Retaining its position of fifth place in importance in canal commerce is the trade between the Atlantic and Pacific coasts of the United States. During the period of 1958 overall increases were experienced in all phases of shipping over this route which recorded more vessels plying in the trade, more net vessel tons and cargo tonnage, as well as more tolls collected than was the case in fiscal year 1957. Net vessel tonnage in fiscal year 1958 totaled 3,675,000 tons, an increase of 393,000 tons over last year. The unusually heavy volume of residual oils moving from California during the last quarter of the fiscal year was primarily responsible for the increase, a total of 470,000 net tons moving in 50 tankers during the 3-month period. Total net vessel tonnage in the tanker class in this route amounted to 980,808 tons, up 64 percent over the total of 597,982 tons last year. The remaining net tonnage of 2,694,000 tons consisted of dry cargo type vessels.

Despite the heavy increase in oil shipments of some 279,000 long tons, and a substantial increase of 174,000 tons of unclassified chemicals during the period, only a slight overall gain of 90,000 tons was recorded in cargo movements. Such gains in oils and chemicals were offset by heavy losses in shipments of iron and steel products, a predominant east-to-west trade, down 29 percent from the 1957 fiscal period. Lumber, moving in the opposite direction, contributed a decrease of 97,000 long tons in cargo, a decline of 7 percent from the period last year.



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REVIEW OF CANAL TRAFFIC

Europe and Oceania.—Reflecting a trend to return to a somewhat more normal status, consistent with commerce prior to the closure of the Suez Canal, this route is the only one out of the eight major trade routes showing an overall decrease. Statisticalwise, 95 fewer vessels, 684,000 fewer net vessel tons, 757,000 fewer long tons of cargo, and \$609,289 less in tolls were derived from these areas during fiscal year 1958 in comparison with the 1957 period. Sustained losses of 20 percent occurred in ships using the route, some 19 percent occurred in net vessel tons, and a 26 percent reduction was felt in total cargo moving over the lane.

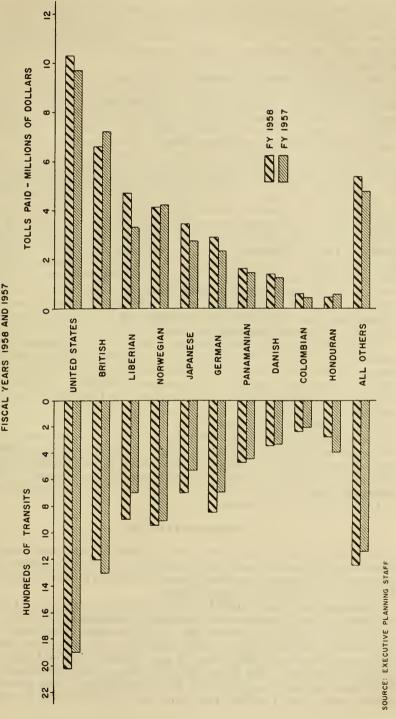
Principally a west-to-east movement, this route saw a decline of 760,000 long tons of cargo from the 1957 period, down 39 percent, while a very minute gain in tonnage was shown in the opposite direction for the period. The cargo losses occurred among the most usual commodities shipped to European ports, consisting of copra, dairy and meat refrigerated products, phosphates, sugar, and wool. *East coast United States and west coast Central America/Mexico.*—

East coast United States and west coast Central America/Mexico.— Traffic routed between these two areas in fiscal year 1958 recorded a percentage increase of 31 percent in volume of net vessel tonnage. This was the second highest percentage gain in net tonnage during the fiscal period. Holding its position as seventh ranking in importance, the trade accounted for 1,815,000 net vessel tons, or a gain of 432,000 tons over the 1,383,000 tons recorded in this trade in 1957. Net vessel and cargo tonnages represented in this route, as in past years, consist mainly of bananas from Costa Rica and Panama to the eastern seaboard. The volume of cargo tonnage in the west-to-east movement alone accounted for 73 percent of the total cargo tonnage gain made during the fiscal year and can be attributed almost solely to the recovery made in the banana trade. Recovering from a disastrous year in 1957, this commodity reached the high peak of 337,000 long tons exported, the highest tonnage attained since fiscal year 1953 when 350,000 long tons were recorded. Manganese ore, the only other commodity shipped in appreciable quantities in the movement, was down slightly but accounted for 102,000 long tons out of the total of 495,000 tons of cargo.

West coast United States and east coast South America.—A newcomer to the list of important trade routes of the Panama Canal just 2 years ago, this route topped all others in gains in net vessel tonnage among the eight major routes. An increased net tonnage of 629,000 was experienced, registering the year-high increase of 55 percent over fiscal year 1957. Increased oil tanker movements alone accounted for 238,000 net vessel tons of this total gain with an increase of 22 tankers plying in the trade. Shipments of crude oil from Venezuela to the west coast of the United States increased from 1,235,000 long tons in 1957 to a high peak of 1,614,000 long tons in 1958, a rise of 31 percent. Of the 1,949,000 long tons of cargo passing over the route in 1958, 88 percent was recorded in the east-to-west movement.

# NATIONALITY OF VESSELS

Vessels of 36 nationalities comprised the oceangoing commercial traffic in fiscal year 1958, 2 less than in the previous year. Transits of U.S. registry, numbering 2,023, with an aggregate net vessel tonnage, Panama Canal measurement, of 11,672,797 tons ranked



**REVIEW OF CANAL TRAFFIC** 

first among the nations participating in canal traffic, as they have in almost every year since the opening of the canal in 1914. Traffic of British registry, contributing 1,203 transits registering 7,454,501 net vessel tons, has traditionally ranked second in canal traffic and this position was retained in fiscal year 1958.

Some 2,378 different commercial vessels made 9,187 transits for an average of 3.82 transits per vessel. The number of transits made by such vessels varied from 1 to 50. The greatest number of transits made this year by a single vessel was accomplished by the Honduran-registered *Vanda*, with 50 trips through the channel, transporting bananas from Ecuadoran ports to Florida.

During this year, not only an increase of 104 American-flag transits was recorded over last year's total of 1,919 but an increase of 657,825 net vessel tons, is noted, which accounted for an increase of \$549,022 in tolls collected from U.S.-registered vessels. Vessels under U.S. registry paid 24.6 percent of the total tolls collected and accounted for 22 percent of the total transits made. On the other hand, a loss of 106 British-registered transits was sustained this fiscal year, with a resultant loss in Panama Canal net tonnage of 673,068 tons, and \$641,696 in tolls revenues from British vessels. However, Britishflag transits continued to hold second place in importance, paying 16 percent of the tolls collected while making 13 percent of the total transits. Next in importance, and replacing Norway as a tollspaying customer, is Liberia who accounted for 11 percent of the total tolls with 9.8 percent of the total transits.

Of the 10 top-ranking nationalities contributing 85 percent of the transits, 89.3 percent of the Panama Canal net tonnage, and 89.4 percent of the tolls, the United States led with 24.4 percent of the total net tonnage; British, 15.6 percent; Liberian, 11.8 percent; Norwegian, 10.1 percent; Japanese, 8.2 percent; German, 7.0 percent; Panamanian, 4.2 percent; Danish, 3.4 percent; Italian, 2.4 percent; and the Netherlands, 2.2 percent.

The most striking increase from the previous year, as measured by net vessel tonnage, was made in traffic of vessels flying the Liberian flag. Vessels flying the flag of this nation have steadily climbed from sixth place in importance tonnagewise during the past 4 years, increasing from 1,040,175 net vessel tons in 1954 to 5,633,036 tons in 1958, a gain of 442 percent.

## CARGO STATISTICS

Although the combined movement of cargo in both directions this fiscal year fell short of last year's record by 1,577,391 long tons, or a decrease of 3.2 percent, a second-place alltime high record was set with a total of 48,124,809 long tons of cargo.

A substantial gain of 1,009,151 long tons was shown in the Pacificto-Atlantic flow of cargo over the record established last fiscal year. As a result of this gain, movements in this direction again returned to the leading position, a place it had held each year since the opening of the waterway until 1957 when it was replaced by the Atlantic-to-Pacific movement. The 25,281,508 long tons of cargo moving in the Pacific-to-Atlantic area this fiscal year established a new record by slightly more than 1 million tons over the 24,272,357 tons moving in

### PANAMA CANAL COMPANY

that direction last fiscal year. The Atlantic-to-Pacific movement returned to second-place position by sustaining a loss of 2,586,542 long tons this year, down 10.17 percent from the record high figure of 25,429,843 tons in 1957.

Of the 12 commodity groups which have consistently accounted for approximately 75 percent of the volume of cargo passing through the canal, 6 showed increases and the remaining 6 registered declines this period. The six groups registering declines were: other ores and metals, manufactures of iron and steel, wheat, sugar, canned and refrigerated food products, and phosphates.

### Average Tonnage, Tolls, and Tons of Cargo per Transiting Vessel

The average measurement of tonnage, tolls, and tons of cargo per oceangoing commercial vessel during fiscal years 1958 and 1957 are shown in the following tabulations:

	Fiscal year	
Average per vessel	1958	1957
Panama Canal net measured tonnage	5, 217	5,095
Tolls	\$4, 549	\$4, 481
Tolls per Panama Canal net ton	\$0. 871	\$0.879
Tons of cargo per laden transit	6, 378	6,779
Tolls per ton of cargo (laden only)	\$0. 753	\$0. 700

# DATA IN STATISTICAL CHAPTER

Further particulars of traffic through the canal are presented in chapter V of this report in the form of tables and charts.



# THE WATERWAY

The efficient and dependable operation of the Panama Canal is of vital concern not only to maritime interests throughout the world but also to a host of others whose livelihood and general welfare are dependent to some degree upon an even flow of world commerce. The process of getting the ships through the canal and the performance of certain auxiliary or supporting functions are grouped under the classification of "The Waterway," for purposes of this report, and are the primary missions of the Marine Bureau and the Engineering and Construction Bureau. These two Bureaus must provide for the transiting of ships, operation of the locks, maintenance of the canal channel, meteorology and hydrographic work, and ferry service across the canal at Balboa.

### **TRANSITING OF SHIPS**

### Traffic control

The dispatch of ships into the canal and their movement through the waterway are closely controlled by the Navigation Division of the Marine Bureau. Dispatches are regulated from each terminal so that all ships that arrive each 24-hour period normally clear the waterway prior to closing time. The following is a summary of the typical operating program in effect at the end of the fiscal year: From Cristobal Harbor, the Atlantic entrance, the first ship begins its southbound transit at 6 a.m., the last at about 4 p.m. From Balboa anchorage, Pacific entrance, the first ship starts northbound at 5:30 a.m., the last at 3:30 p.m.

Certain vessels such as tankers, ore carriers, and those carrying hazardous cargoes are selectively dispatched so that they will not meet or pass any other vessel in Gaillard Cut and are not normally permitted to proceed unless they can clear the cut and the locks during the daylight hours. Such ships are called "daylight clearcuts."

Since 1951 there has been a significant trend developing in the number of clear-cut and daylight clear-cut transits. Of most importance, because it affects the capacity of the canal, are the increases in large size vessels. From 1955 through fiscal year 1958, vessels of 79foot beam and above have increased by over 500 percent. The number of vessels of this size transiting in 1958 exceeded the number handled during 1957 by more than 25 percent.

### Harbor work

Five tugs were in service throughout the year—three at the Atlantic terminal and two at the Pacific terminus. The tugs operated a total of 12,784 revenue-hours in the servicing and assisting of ships, in comparison with the 12,803 revenue-hours in fiscal year 1957.

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### Towing and salvage

The Company's salvage tug, U.S. *Taboga*, was engaged in four offshore jobs of salvaging and towing for private interests during the fiscal year 1958 and was used for servicing outlying aids to navigation off the Pacific coast of Panama and in the Caribbean.

### Accidents to shipping

During fiscal year 1958 the Board of Local Inspectors was called upon to investigate 32 marine accidents in Canal Zone waters and to fix the blame and responsibility for same. Of these 32 accidents, 19 occurred during transit, the balance occurred in the terminal ports. This compares with 20 investigations in the previous fiscal year. The Panama Canal Company was found responsible for damages incurred in 17 accidents, with joint responsibility fixed in 3. A reserve in the amount of \$459,555 has been set up to cover claims which might arise as a result of the Company's liability. This compares with five accidents of Company responsibility and a reserve of \$22,000 in 1957. The remaining 15 accidents were determined to have been caused by fault of the vessel or other causes for which the Company assumed no responsibility.

The most serious marine accident which occurred during the year was the collision on October 10, 1957, in San Pablo Reach between the MS *Rangitane* southbound, and the SS *Hawaiian Tourist*, northbound. Responsibility for the accident was placed on the Panama Canal Company. Estimated liability of the Company for damage to both vessels was \$250,000.

There were 558 transits per accident during 1958 as compared to 534 in 1957, and 262 in 1956.

### Admeasurement and boarding party operations

A total of 602 new oceangoing-type vessels were measured and, in addition, 206 ships with structural changes were remeasured. This compares with 514 new ships, 235 with structural changes in the previous year.

The function of the boarding party consists of all phases of routine boarding, which includes admeasurement of vessels for tolls assessment; inspection to insure compliance with customs, immigration, quarantine, and navigation regulations; and the performance of Deputy Shipping Commissioner duties for seamen aboard the U.S.flag vessels. There were 10,750 ships boarded and inspected during the year as compared with 9,392 in 1957 and 8,523 in fiscal year 1956, respectively.

### Aids to navigation

On October 6, 1957, the former Aids to Navigation Section of the Marine Bureau was transferred to and became a unit of the Dredging Division, Engineering and Construction Bureau. The complete integration of the two units was effected by October 31, 1957. Consolidation of these activities will result in a net reduction of operating expenses in the amount of \$143,200 in fiscal year 1959.

As of June 30, 1958, there were 870 navigational aids maintained by the Dredging Division in the canal proper and the approaches thereto, the terminal harbors, and the adjacent coastal areas. Classified according to the character of the illuminant used, these were as follows: acetylene gas operated, 123; electrically operated, 370; and unlighted, 377. Outlying navigational aids were visited for the purpose of inspection and servicing, and all aids were maintained in good operating condition throughout the year.

### Signal stations

Effective December 1, 1957, the U.S. Navy transferred the Flamenco-Island Signal Station, located in the outer Pacific harbor waters, tothe Panama Canal Company for operation and maintenance. Curtailment of funds and personnel in the Department of the Navy madenecessary this change in organizational management.

### LOCKS OPERATION

In traversing the lock-type canal, ships are raised in three steps to a fresh-water lake 85 feet above sea level. The Locks Division of the Marine Bureau is primarily concerned with the operation and maintenance of the three sets of locks, their related installations and facilities, including the periodic overhaul of underwater parts. Gatun Locks near the Atlantic entrance to the Canal forms one

Gatun Locks near the Atlantic entrance to the Canal forms one continuous flight of three steps which raise and lower the ships 85 feet above sea level. The three flights at the Pacific entrance are divided between Pedro Miguel Locks with one flight and Miraflores Locks with two flights. Each of the twin chambers in each flight of locks has a length of 1,000 feet, a width of 110 feet, and a depth of 70 feet. Since the flights are in duplicate, ships may pass in opposite directions simultaneously.

The duration of a lockage depends on many factors, including the size of the ship, its handling characteristics, and whether the vessel is locked separately or in tandem. This latter procedure is used to save overall time and water. The normal lockage intervals are 40, 60, and 80 minutes at Pedro Miguel, Miraflores, and Gatun Locks, respectively.

The number of large vessels passing through the locks in fiscal year 1958 was greater than ever before. Ten-locomotive lockages increased. by 13.5 percent over the previous year; eight-locomotive lockages increased 6.1 percent. Total lockages showed an increase of approximately 6 percent over the previous fiscal year.

### Lockages—vessels handled

The number of lockages and vessels handled (including Panama Canal equipment) is shown in the following tables for the fiscal years 1958 and 1957:

	Fiscal year	
Gatun Locks:	1958	1957
Number of lockages	8, 548	8,053
Number of ships	10, 882	10, 348
Pedro Miguel Locks:	· ·	
Number of lockages	8, 815	8, 260,
Number of ships	11, 713	11, 198
Miraflores Locks:		
Number of lockages	8, 655	8, 244
Number of ships	11,358	11, 105,



Tanker SS "Gulfking" in Transit at Pedro Miguel Locks.



Repairing Culvert Failure in East Chamber, Pedro Miguel Locks.

### Locks overhaul

The 5-year overhaul of the Pacific locks was accomplished, except for rising stem valves in the Pedro Miguel center wall, which will be completed in July 1958. Preparatory work was begun early in fiscal year 1958, and overhaul work proper began at Miraflores on January 4, 1958, and remained in progress during the balance of the fiscal year.

All underwater parts were inspected, repaired, cleaned, and painted as required. Ten miter gate leaves were unhinged for replacement of bearings and bearing plates. Eighteen old rising stem valves at Miraflores were replaced with new valves. Work in the Miraflores center culvert was done with both chambers in service and the culvert isolated by use of lateral culvert plugs. On June 7, the unwatered east chamber of the Pedro Miguel Locks

On June 7, the unwatered east chamber of the Pedro Miguel Locks revealed a failure of one of the culverts and the adjacent floor areas on either side amounting to a total of about 1,000 square yards of concrete. It was determined that the upheaval of the concrete had occurred during the first filling of the chamber following the overhaul. Cleanup and repair work was completed on June 24, and consisted of repouring the top half of the lateral culvert that was ruptured; repairing and sealing leaks in several other lateral culverts which showed signs of weakness; and the pouring of about 1,000 square yards of new floor slab.

### WATER SUPPLY

The supply of water necessary for the operation of the Panama Canal in transiting of ships, the generation of electric power, and for municipal use is derived from several tributary streams that flow into Madden and Gatun Lakes which serve as storage and flood control reservoirs of a drainage basin comprising 1,289 square miles. All inflow from Madden Lake, whether drawn for hydroelectric power or spilled for lake control, flows into Gatun Lake and together with the runoff from the area below Madden Dam is used for lockages, power generation, and municipal purposes, or may be spilled to control the operating level of Gatun Lake.

Total runoff from Gatun and Madden Lake drainage basin for the fiscal year 1958 was 19 percent below normal and amounted to 3,870,552 acre-feet. Of this total, 41 percent was derived from the basin above Madden Dam.

Runoff for the period, January-April, from the Gatun Lake Basin amounted to 616,621 acre-feet, which was 31 percent above the 45-year average. From the area above Madden Dam, which constitutes the greatest source of hydroelectric power, the total runoff amounted to 354,775 acre-feet, which was 28 percent above the 45year average for that area.

After deduction of evaporation losses from both lakes of 488,129 acre-feet, the remaining net yield or runoff amounted to 3,382,323, which was combined with 313,934 acre-feet from lake storage and used to furnish 1,462,925 acre-feet for Gatun Lake lockages (using 169 acre-feet per lockage of which there was an average of 23.8 per day). Out of this net yield also, 1,459,344 acre-feet were used to generate 84,025,200 kilowatt-hours at Gatun hydroelectric plant. In addition, leakage and miscellaneous losses of 19,651 acre-feet were sustained during the period and of the remaining net yield municipal requirements took 35,652 acre-feet, gain in storage of 313,934 acrefeet, and the spilling of 90,817 acre-feet at Gatun spillway for lake regulation during the rainy season. Madden hydroelectric plant used 1,166,528 acre-feet to generate 125,249,100 kilowatt-hours of electricity.

For further details on water supply and expenditures, see table 27, chapter V, page 110.

## MAINTENANCE OF CANAL CHANNEL

The Dredging Division is charged with the maintenance of the canal channels from the Pacific entrance at Balboa to the Cristobal breakwater in the Atlantic. This division is also responsible for the operation and maintenance of all other navigable channels, harbors, and anchorages; the extermination of impedimental plants in the canal and its tributaries; and the maintenance of the Atlantic breakwater.

This maintenance of the canal channel, its terminal harbors, the adjacent navigable waterways of the Panama Canal, and special improvement projects was accomplished during the year with a 28inch suction dredge, a 13<sup>3</sup>/<sub>2</sub>-cubic-yard dipper dredge, and a 10-inch suction dredge which was placed in operation in November 1957 to be used in drainage correction work in the Telfers Island area, in lieu of higher cost excavation by land machines.

Dredging operations are divided into three major areas; the Atlantic, a Central, and a Pacific district. The canal channel is maintained at the following predetermined controlling depths: For the Atlantic district, from deep water in the Atlantic to Gatun Locks, is 42 feet below mean low water; that for the Central district, from Gatun Locks to Pedro Miguel Locks, 42 feet below minimum lake level of 82 feet; and that for the Pacific district, from Pedro Miguel Locks to Miraflores Locks, 42 feet below Miraflores Lake elevation of 53 feet; from Miraflores Locks to deep water in the Pacific, 42.4 feet below mean low water springs.

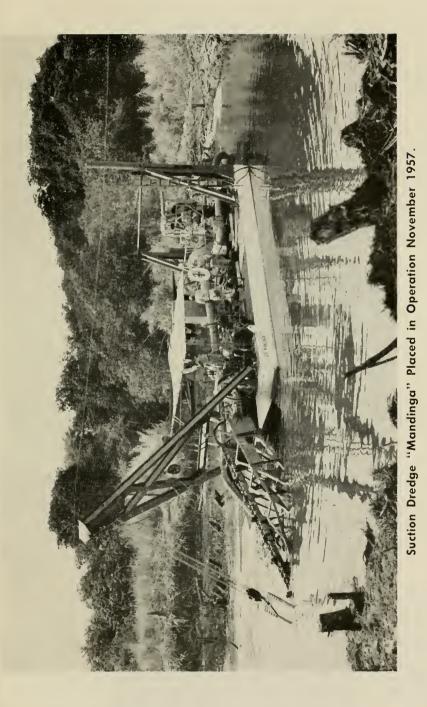
A total of 5,156,700 cubic yards of earth and rock was removed from the harbors and waterways in 1958, an increase of 2.9 percent over the 5,010,600 cubic yards in the previous fiscal year.

Slide incidence in Gaillard Cut was again below normal, with only 42,300 cubic yards of material being removed, bringing the total material removal since June 30, 1913, to 52,929,550 cubic yards. The Culebra Slide West continues to be the most active, and numerous small bank breaks occurred but with movements of minor consequence.

A summary of dredging operations for the fiscal year 1958 will be found in table 28, chapter V, page 110.

### **REPLACEMENT OF LOCKS TOWING LOCOMOTIVES**

In January 1958 the two test locomotives which had arrived in December 1957, and which were placed on the north center wall of Gatun Locks, were demonstrated to the Board of Directors of the Company and to the Governor of the Canal Zone. The machines proved to be nonoperative and were not acceptable. Further tests were suspended pending corrective measures to bring them up to measurable standards of the specifications. Corrective work was





Architectural Rendering of Bridge to Span Canal Channel at Pacific Entrance.

begun in May. Preliminary tests were again performed in June and indicated that the major repairs were satisfactory although the machines had not yet been able to demonstrate their ability to handle ships. A project operating schedule, prepared on the basis that no major difficulty or serious delaying accident will occur, was scheduled to begin on July 1, 1958. The towing devices are to be tested through transits with two barges lashed together, small vessels, and oceangoing ships.

### CANAL IMPROVEMENT PROGRAM

The canal improvement, short range program, developed in 1957 was approved during 1958 for accomplishment. At year's end, dry excavation had been completed and blasting was in progress on the widening of Bend 1868 (Paraiso Curve). A contract was in progress for lighting of the locks and Gaillard Cut on an experimental basis only; preliminary geological data was being obtained with preparation of plans and specifications under way on widening the Paraiso-Cucaracha Reach; and the projects of widening Bend 1660 and the Paraiso Mooring Station have been deferred until 1961.

In the Canal Improvement, Long-Range, Special Studies Program, general engineering studies, editorship and coordination of a report are nearing completion under the direction of the Vice President who is Chairman of the Working Committee for the Ad Hoc Committee. It includes updating and revision of 1947 cost estimates for Third Lock and Sea Level canals, a study of the vulnerability of various types of canals in this location, and an analysis of new construction methods and equipment as related to new canal plants.

# MARINE TRAFFIC CONTROL

During the fiscal year the Panama Canal Company contracted with an engineering firm for a study of the present methods and equipment for marine traffic control in the Panama Canal and for recommendations for improvements of a marine traffic control system.

A preliminary oral report was presented to Company representatives and the final report was scheduled for submission to the Company early in fiscal year 1959. This report recommended the installation of an extensive electronic marine traffic control system. The proposed system would be an integrated, or coordinated method of continuously providing and utilizing more complete, accurate, and up-tothe-moment information for scheduling and controlling the movement of vessels in the canal.

# CLOSING OF GAS MANUFACTURING FACILITY

For the past several years the possibility of closing the Industrial Division's gas manufacturing facility has been considered. At the close of the fiscal period a plan had been approved for its closing, and negotiations for a contract with a firm in the Republic of Panama to furnish oxygen, hydrogen, and acetylene were underway.

It was decided that the Storehouse Branch will handle the transportation of the gas cylinders to and from the plant in Panama and will have the responsibility for storing, issuing, and receiving cylinders and the maintenance and repair of cylinders. No sales will be made to any military or commercial unit in the Canal Zone.

The Industrial Division gas plant will be converted to 60-cycle and mothballed. The plant will be reactivated should the local source of subject gases fail at any time in the future to meet contractual obligations for supply of the gases to the Company. (On July 9, 1958, a contract was signed between the Panama Canal Company and the Panamanian supplier, to become effective August 1, 1958.)

The new cost of the three gases to the consuming agency will be approximately the same as presently charged by the Industrial Division. Savings will accrue through the following items: Plant additions and replacements, rising rate of U.S. rate salaries coupled with effects of the single wage plan in the Canal Zone, community services to Panama Canal Company employees; and the intangible cost of maintaining an extremely hazardous gas manufacturing facility in a heavily populated industrial area and in the vicinity of a heavily populated residential area.

# FERRY SERVICE

The Thatcher Ferry service operates across the canal near the Pacific entrance of the canal. It is operated as a public service and no charge is made for its use. Service is maintained by retaining three diesel ferryboats on a daily schedule, with two ferries being in simultaneous service. A third ferryboat is kept in reserve to relieve the two regular ferries during periods of overhaul and to carry tourists and special parties in the canal as required. Statistical data on the ferry service for the past 2 fiscal years are given below:

	Fiscal year	
Single trips made Total vehicles carried Total passengers carried		1957 27, 144 606, 648 4, 281, 474

During the year some 7,716 tourists, special parties, and 3,568 schoolchildren were passengers on ferry trips through Gaillard Cut, partial canal transits, and excursions on Gatun Lake.



# SUPPORTING OPERATIONS

It is doubtful if there is any other Federal organization in the world that embraces the variety of distinct, but closely interrelated activities that are found in the Canal Zone. In support of the maintenance and operation of the waterway and incident to the civil government of the Canal Zone, the Company conducts many auxiliary operations that are essential to the accomplishment of its basic mission. These include rail, ocean, and highway transportation; public-utilitytype services; the operation of retail stores and housing for employees; and a wide variety of engineering, supply, and service functions. These services are also made available to other Federal agencies in the Canal Zone and, to a limited extent, to the Republic of Panama.

# EMPLOYEE SERVICES

# Supply and Community Service Bureau

Under the program of regrouping facilities, the integration of the Service Center, Commissary, and Storehouse Divisions was formally effected July 1, 1957. The Supply Division has two branches—the Storehouse Branch and the Sales and Service Branch, which comprises all activities formerly operated by the Commissary and Service Center Divisions. Its principal objectives and responsibilities consist of: procurement of supplies and materials, storage and sales thereof; scrap processing; and operation of theaters, restaurants, and bowling alleys.

The Community Services Division has the responsibility of housing management and attendant operations; care of public buildings and grounds; operations pertaining to collection of garbage and trash; street-cleaning facilities and cemetery maintenance.

In addition, in November 1957, the responsibility for direction of the Procurement Division was transferred from the New York Office to the Director of this Bureau.

### SUPPLY DIVISION

### Sales and Service Branch

### Service center operations

The service centers provide certain essential sales and recreational facilities for the employees of the Company/Government organization, their dependents and guests, as well as others authorized or entitled to receive Canal Zone privileges. These facilities include cafeterias, soda fountains, guest accommodations; recreational activities such as theaters, bowling alleys, and merchandise sections. In addition, rental space is conveniently furnished for the use of the various licensee shops, which include barber, beauty, shoe, tailor, and dressmaking establishments, public libraries, and union organizations.

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SUPPORTING OPERATIONS

Implementation of the 1955 treaty commitments and deactivation of two communities resulted in the closing of several retail units and the initiation of several new ones. Revenues increased slightly, a total of \$23,285 in gross income being shown over the 1957 fiscal figure.

# Retail stores, warehousing, manufacturing, and allied operations

The retail stores, warehouses, manufacturing plants, and related operations provide food supplies, clothing, general household, and other essentials to U.S.-citizen employees and their families in the Canal Zone and in the Republic of Panama, to noncitizen employees residing in the Canal Zone, and the members of the Armed Forces. In addition to retail stores in the Canal Zone, the operation of gasoline service stations, warehouse facilities, a bakery, coffee-roasting facilities a dairy, and a laundry were maintained throughout the year.

# Retail stores and related operations

During fiscal year 1958, an intensified program of realignment of operations consistent with the policy of offering merchandise and services at the lowest possible prices to support good business practices was continued. Loss in retail store sales as a result of implementation of treaty commitments was slightly less than anticipated and inventories were increased beyond originally planned levels. A drop of 22 percent from the previous year was sustained in retail sales, services, and issues. Revenues for fiscal year 1958 were some \$4,920,138 under fiscal year 1957 volume.

# Storehouse Branch

The organizational units of this branch include administrative, stock management, warehousing, scrap, and salvage operations; excess disposal; and office furniture and equipment pools.

During the year excess stocks held in this branch of the division were brought down from a value of \$700,712 to \$57,673.

A continued program of regrouping facilities and rewarehousing stocks so as to promote efficiency in the warehousing activity and to reduce operating and depreciation expenses to a minimum was vigorously pursued throughout the fiscal period.

Scrap operations were curtailed this fiscal year due to the business recession in the United States which caused a drop in the market price of scrap. Improved scrap-processing operations were initiated that resulted in an appreciable decrease in operating costs.

Methods of operation in office equipment and furniture pools were studied throughout the fiscal period, resulting in improvements in several areas. Unserviceable pool items retired reached a total of 767 in comparison with 1,061 in 1957; acquisitions of new equipment for the fiscal year period totaled 906 in comparison with 352 for fiscal year 1957.

# PROCUREMENT DIVISION

This division, comprised of three commodity branches and one administrative branch, is charged with the responsibility of providing procurement services to the Supply and Community Service Bureau. The division is also responsible for the forwarding, expediting, and correlating of shipments to the isthmus in compliance with required delivery dates. Food items, supplies, materials, and equipment are purchased for use of the Company in the Canal Zone, in its New York operations, or for resale to its employees. This division continued its liaison service between the Engineering and Construction Bureau and States contractors on all open contracts.

During the fiscal year 1958, the division made 22,752 awards for purchases valued at \$14,183,125, in comparison with 20,003 awards for purchases valued at \$14,771,658 in fiscal year period 1957.

Although the dollar value of the purchasing workload decreased in 1958, line items handled and vendors solicited increased by 10 percent and 19 percent, respectively, as a result of expansion of merchandise lines and the purchasing of smaller quantities more frequently in order to hold inventories as low as possible. By taking advantage of the various economic opportunities offered in procurement of goods throughout the year, a total of \$149,296 in savings was effected by the division.

# **COMMUNITY SERVICES DIVISION**

### **Housing Branch**

The Panama Canal Company operates living quarters for all U.S.citizen employees and, to a limited extent, for non-U.S.-citizen employees.

No new housing construction was begun during the year. However, effective January 14, 1958, sixty-nine 4-family apartment buildings, comprising 124 3-bedroom apartments and 152 2-bedroom apartments, and four 1-family buildings located in the Coco Solo area were added as U.S.-citizen housing when the Department of the Navy released them to the Company. The demolition program was accelerated during the year to accomplish the evacuation of a total of 16 U.S.citizen quarters buildings and apartments, and a total of 521 non-U.S.citizen quarters buildings, apartments, and bachelor rooms.

A reduced operating margin this fiscal year over last year reflects increased maintenance requirements on all residential housing and is attributed mainly to increases in Canal Zone rates and U.S. Wage Board labor rates.

Revenues for U.S.-citizen housing were slightly under those for fiscal period 1957. The financial results of the non-U.S.-citizen housing show a substantial improvement over fiscal year 1957 as a result of a rental increase made effective in January 1957. The operating deficit was reduced to \$17,270.

### U.S.-citizen quarters

As of June 30, 1958, there were 2,460 family units in operation for citizen employees and their families. These excluded 8 apartments held in a standby status and 313 substandard units that were in the process of demolition or transfer to the Republic of Panama. With the exception of three occupants, the complete evacuation of New Cristobal has been accomplished

# Non-U.S.-citizen quarters

As of June 30, 1958, there were 1,854 family units in operation for non-U.S.-citizen personnel and their families. In addition, 88 family apartments were in the process of demolition or transfer. During late calendar year 1957, seven 12-family buildings at Pedro Miguel were

SUPPORTING OPERATIONS

reactivated for use as the final demolition program of La Boca was accomplished. There were 228 fewer non-U.S.-citizen families occupying quarters on June 30, 1958, than on June 30, 1957.

# Other activities

The Housing Branch of the Community Services Division is also responsible for the administration, care, and maintenance of the Company/Government buildings. Care of grounds, collection and disposal of trash and garbage; cleaning of streets within townsites in the Canal Zone; landscape activities; and operation and maintenance of Summit Park and the Canal Zone cemeteries are administered by the Grounds Maintenance Branch.

There was no change of consequence in the workload of the Company and Government building subprogram. The increase in depreciation expense includes the reinstatement of plant previously offset by economic valuation allowance, and the provision of special reserves to offset the net book value of 16 Company buildings licensed to various religious, civic, welfare, and commercial groups.

Canal Zone rate wage increases and upwardly revised truck rental rates, effective July 1, 1957, account for the two major areas of increased operating expenses of the care of grounds. The addition of 200 acres of housing areas in Coco Solo and Pedro Miguel added to the workload of both branches; however, the phaseout of the towns of La Boca and New Cristobal offset this increase.

Added depreciation costs on new replacement machines and Canal Zone rate wage increases account for the increased operating expenses of the Garbage Collection and Disposal Unit. The closing margin approximates \$29,333 as compared to the budgeted figure of \$17,300. This difference is due to the failure of anticipated reductions in the volume of service furnished to the military.

The street cleaning, Summit Park, and cemeteries operations all continued at the approximate levels of the 1957 operating figures.

# TRANSPORTATION AND UTILITY SERVICES

### Railroad operations

The Panama Railroad comprises 48 miles of main-line single track across the isthmus between the terminal cities of Panama and Colon. In addition, it furnishes industrial switching service to the most important Company/Government and Armed Forces warehouses and installations, as well as to some industrial facilities in the Republic of Panama. It also maintains appurtenant freight and passenger stations, railroad yards, and locomotive and car repair shops. It serves all Federal Government agencies on the isthmus and is a common carrier serving commercial interests in the Canal Zone and the Republic of Panama.

Passenger and freight workloads of the division showed increases of 33½ percent and 18 percent, respectively, during the fiscal year over the previous year's figures. The increase in passengers carried produced a 22 percent increase in income, while the increase in freight tons hauled accounted for a 15 percent increase in income. Due to an overall workload increase with the exception of a reduced workload on the docks and piers which produced a reduction in switching

locomotive service income, and the reduction in force, the operating deficit was reduced by 51 percent.

Comparative workload and income statistics are shown in the table below:

the second se	Fiscal year	
	1958	1957
Passengers carried	540, 641	405, 406
Revenue freight tons carried	129, 121	109, 720
Passenger service income	\$433, 165	\$353, 743
Freight service income	\$731, 953	\$637, 689
Switching and locomotive service income	\$64, 104	\$75, 933
Net operating deficit	\$124, 830	\$252, 071

# Motor transportation

The Motor Transportation Division operates two fully equipped repair shops, one at each canal terminal, and small repair facilities located in the Cristobal and Balboa pier areas; motor pools from three central garages; and a tire retreading plant at the Ancon garage. The division also maintains the motor vehicle fleet and various other types of power-driven equipment used by the Panama Canal Company/ Canal Zone Government for construction, materials handling, firefighting, grounds maintenance, and related motorized equipment owned by various units of the Company/Government. In addition, it also provides miscellaneous repair services to other U.S. Government agencies, employees, and others authorized to utilize such services. It supervises the operation of public bus transportation systems operating on both sides of the isthmus under franchise or concession, and performs annual inspections of commercial and privately owned motor vehicles as required by Canal Zone traffic regulations.

Various Company/Government projects and other factors contributed to the overall increased demand for motor transportation services which resulted in a workload that was greater than that anticipated and budgeted for the year.

The decrease shown in repair shop services furnished to units of the Company/Government and others eligible to use such services is due primarily to reduced credits from setting up only 52 new vehicles in the year as compared to 123 new vehicles in the previous fiscal year. Approximately 42 percent of the repair shops' workload was utilized in repair and maintenance of the division's motor fleet. Significant workload indices for the fiscal year as compared with the previous year are given below (reduction in transisthmian hauling is result of Company/Government units using railroad to fullest practical extent):

	Fiscal year	
	<b>195</b> 8	1957
Vehicles in service	535	535
Vehicle mileage	5, 757, 000	5, 488, 000
Transisthmian freight hauled (tons)	14, 662	19, 791
Number of line handlers carried (transisthmian)	53, 682	65, 175
Repair shop services furnished others	\$394, 872	\$419, 048
Operating margin (or deficit)	\$28, 318	(\$2, 513)

# Steamship operations

The Panama Canal Company operates the Panama Line which provides a regular freight and passenger service between New York and the Canal Zone, via Port-au-Prince, Haiti. The steamship line is an important adjunct to the operation and maintenance of the Panama

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Canal, furnishing ocean transportation for the large quantity of goods required by the Panama Canal Company/Canal Zone Government, and supplying passenger transportation for employees and their families between the Canal Zone and the United States. Commercial passengers and freight are accepted on a space-available basis.

This is the first year in which the two remaining vessels, the SS Ancon and the SS Cristobal, operated under the new schedule which provided for 41 round-trip voyages annually. During the last 6 months of the fiscal year the business recession, affecting shipping throughout the world, was experienced also by the Panama Line. In spite of an initial 6 months' profit, the operating loss of the line at year's end rose to \$111,041, primarily because of lower freight traffic. In addition, and contributing also to this loss, was the political unrest in Haiti, and a planned rehabilitation program initiated during the year to improve the mechanical and structural condition as well as the appearance of the two vessels as rapidly as the financial situation allows.

Shown below is the statistical comparison of the fiscal years 1958 and 1957:

	Fiscal year	
Workload	1958	1957
Number of completed voyages	41	45
Tons of freight carried	167, 951	199, 915
Average number of tons per voyage	4, 096	4,442
Number of passengers carried	9, 528	10, 739
Average number of passengers per voyage	232	238
Operating margin (or deficit)	(\$111, 041)	\$64, 724

# Electrical power system

The Panama Canal Company provides all electric power used in the Canal Zone. It operates and maintains hydroelectric and diesel generating stations, substations, transmission lines, and appurtenances. Two hydroelectric generating plants, one at Gatun and the other at Madden Dam, provide the normal power needs of the Canal Zone. Three major diesel standby plants are maintained to supplement the hydroelectric plants when water supply is inadequate.

The combined generated output of the power system for fiscal year 1958 was 250,177,080 kilowatt-hours, a decrease of 4,798,020 kilowatthours, or 18.8 percent less than 1957. A total of 222,640,477 was delivered to customers as compared with 229,108,926 for the preceding year. Due to the prolonged dry season, diesel generation for water conservation was the heaviest on record. The total diesel power generated, 41,004,380 kilowatt-hours for the year, was 89.2 percent greater than the previous heavy record in 1949.

Further particulars on electric power generated will be found in table 29, chapter V, page 111.

### Communications system

The communications system consists of two main exchanges located in Balboa and Cristobal, with small exchanges at Pedro Miguel, Gamboa, Gatun, and Coco Solo, with their respective distribution systems connected by two transisthmian trunk cables. The system is independent of, but interconnected with, the Army and Navy systems in the Zone, and with the systems in the cities of Panama and Colon.

At the end of the fiscal year 1958, there were 7,670 telephones in service, as compared with 7,543 telephones in service at the end of the preceding fiscal year, an increase of 127.

### Water system

The Water Branch continued to supply all the filtered water requirements of the Canal Zone, including that required for shipping, Armed Forces installations, the cities of Colon and Panama, and suburban Panama in the Republic of Panama.

The system consists of two principal units, one serving the Pacific side of the isthmus, and the other the Atlantic area. The Pacific unit takes its water supply from the Chagres River near Gamboa. from which point the raw water is pumped to a filtration and treatment plant at Miraflores. The Atlantic side unit receives its water from Gatun Lake, from which water flows by gravity to a filtration and treatment plant at Mount Hope. Each unit has its own pumping stations, reservoirs, mains, and distribution piping. Two laboratories are maintained as adjuncts of the water system to perform the necessary tests to assure the production and distribution of safe, potable water. In addition to work performed in connection with water purification, the laboratories render various chemical, physical, and bacteriological tests for other Company/Government units and outside They also handle the chemical inspections for explosive agencies. and asphyxiating gases on burning or damaged ships.

The total annual production of water for this fiscal period is 1.1 percent lower than in fiscal year 1957. The increased use by Panama and suburban Panama was more than offset by the reduced use by the Armed Forces and a reduction in water consumption by the city of Colon.

The table below shows for the fiscal year 1958 and 1957 the consumption of filtered water for municipal purposes and for sales to vessels:

	Fiscal year 1958 (Thousands o	Fiscal year 1957 f cubic feet)
Canal Zone (including Armed Forces)		605, 030
City of Panama (including suburbs)	737,838	707, 464
City of Colon	175,014	179, 551
Sales to vessels	22, 054	23, 345
Total	1, 497, 903	1, 515, 390

# Printing plant

The printing plant performs the general printing and bookbinding services that are required by the Panama Canal Company/Canal Zone Government and other U.S. Government agencies operating on the isthmus. Authorized under regulations of the Joint Congressional Committee on Printing, it supplies letterpress and offset printing, provides addressograph and bookbinding services, and other miscellaneous printing services.

While the workload of the printing plant decreased slightly (1 percent) in the number of print impressions registered, the number of production units increased by 1,812,846 in fiscal year 1958 in comparison with last fiscal year, an overall gain of 20 percent, in plant production. During the year, five positions were abolished in the plant as a result of improved operating procedures and methods. Total revenues and credits for the fiscal year amounted to \$351,683, with total expenditures of \$351,806, resulting in a net operating loss of \$123.00.

### Vessel repairs

The Industrial Division of the Marine Bureau provides repair facilities for commercial and Government shipping in the Canal Zone. Its operations are centralized in Mount Hope at the Atlantic terminal of the canal, and consist of a shipyard, drydock, shops, and related operations. A large drydock at Balboa, on the Pacific side, is maintained in a state of readiness for emergency use only as are other repair facilities.

A total of 1,063 vessels, 65 feet or over, were repaired during the year, accounting for 1,763 ship-days. There were 43 vessels of this class drydocked during the year.

Normally, the Company's own floating equipment provides the largest single source of work for the division through its routine drydocking and overhaul. During fiscal year 1958 Company sources provided the principal workload and backlog throughout the entire year, and accounted for 49 percent of total revenues earned and 61 percent of the productive force. Actual workload in the division declined during the latter part of the year mainly because of cancellation of scheduled Navy work due to redeployment of these locally based naval craft to other areas.

### Harbor terminals operation

The Company's terminal facilities consist of wharves and piers, with about 3 miles of berthing space, and other appurtenances necessary for handling, transferring, and stevedoring of cargo lauded at the Atlantic and Pacific terminals of the canal either for ultimate destination in the Canal Zone or the Republic of Panama, or for transshipment to points beyond the isthmus. Facilities also include a tank farm at each terminal for storage of petroleum products, fuel handling plants for the transfer of petroleum products to storage facilities and for the delivery of bunker fuel to vessels at terminal piers.

Cargoes handled include imports for the Canal Zone and the Republic of Panama, outgoing isthmian cargo, and the transshipment of cargoes to various world ports. A total tonnage decline of 11 percent during 1958 from the previous year's total is shown in the combined cargo stevedored between ships and shore at the two canal terminals, transferred between ships, or otherwise moved over the piers. Among the primary factors accounting for this loss were the direct shipments of coffee and raw cotton from west coast Central American ports to Europe and Japan, the curtailment of Armed Forces shipments, continued reduction in the Company's commissary sales, and decreases in scrap and banana exports. Improved cargo-handling techniques were introduced during the year to increase productivity on the piers.

In compliance with the 1955 treaty, pier No. 3, located in Colon Harbor, was transferred to the Republic of Panama on November 7, 1957. This pier is a small pier, 160 feet long and 60 feet wide, located in the port of Colon adjacent to Cristobal Harbor. It is used by small vessels in coastal trade with Panama. While under the jurisdiction of the Panama Canal Company, the use of this pier was restricted to vessels whose length did not exceed 125 feet.

Comparative combined cargo movements in tons of cargo stevedored and financial results thereof are as follows:

	Fiscal year	
	1958	1957
Combined cargo movements between ships and piers On the pier	940, 527 892, 560	1, 050, 165 999, 440
Total (revenue tons)	1, 833, 087	2, 049, 605
Income Expenses	\$4, 191, 109 \$3, 823, 724	\$4, 528, 316 \$3, 737, 436
Net income	\$367, 385	\$790, 880

The marine bunkering operations which is the other prime function of the Terminals Division is concerned primarily with the pumping and inward handling of petroleum products from tankers to storage tanks, both Company and privately owned, and the outward handling of such products from storage tanks to vessels or to tank farm loading platforms for local consumption.

The increase in receipts in view of an overall decrease in the workload was in a large measure due to the discontinuation of the practice of loaning products among local oil companies. The decrease in overall workload is due primarily to reduced bunkers to vessels, reflecting in part the depressed state of shipping, and to the return to regular trade routes and bunkering at other ports of shipping that was diverted to the Panama Canal during the Suez Canal closure.

The following comparative workload data is furnished for fiscal years 1958 and 1957:

	Fiscal year	
Workload	1958	1957
Combined receipts (Cristobal and Balboa)	8, 686, 386	8, 589, 190
Combined issues (Cristobal and Balboa)	7, 724, 516	8, 359, 083
Total barrels of products moved	16, 410, 902	16, 948, 273
Tankers discharging (Cristobal and Balboa) Vessels bunkering	127 2, 823	120 3, 061

# **PRINCIPAL ENGINEERING AND CONSTRUCTION PROJECTS**

### Bridge, Balboa, C.Z.

Construction of a high-level bridge spanning the canal channel on the Pacific side of the isthmus is scheduled to begin during the coming fiscal year. The completion of this bridge will fulfill treaty commitments made between the United States of America and the Republic of Panama.

During November 1957, a contract was awarded to an engineering company to make preliminary studies and estimates. A five-man Board of Consultants was appointed for the purpose of evaluating designs and to provide general engineering consulting services. This board consists of: Ralph A. Tudor, Panama Canal Company Board member; Roland P. Davis, Dean Emeritus of the University of West Virginia; F. C. Turner, Deputy Commissioner and Chief Engineer of the Bureau of Public Roads; Edward B. Burwell, Jr., retired Chief Geologist of the Office of the Chief of Engineers; and Aymar Embury II, bridge architect of New York.

On April 10, 1958, the preliminary engineering report was presented

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to the Panama Canal Company and the Board of Consultants. A three-span, arch-truss-type bridge was selected as the most feasible from the standpoint of design, cost, and ease of construction, and a contract for the full design of the bridge was awarded. A considerable amount of preliminary work remains to be done, much of which will hinge on the selection of the alignment of the bridge and its approaches which were still under study at the close of the fiscal year.

This bridge will permit uninterrupted highway traffic movement across the canal. Its overall length will be slightly over 2 miles from the ends of the highway approaches on the east and west sides. The main span crossing the canal will be 1,128 feet long and will have a minimum clearance of 201 feet above the canal at mean high tide. The bridge will connect with Thatcher Highway on the west, while the east side approach will provide vehicular outlets directly to the Canal Zone and Panama City street systems at the Canal Zone-Republic of Panama boundary limits.

Under a schedule for the bridge project submitted by the engineering firm, preparation of the design plans and specifications can begin in July 1958. It is anticipated that a contract for the substructure work will be let by July 1, 1959, and the contract for the superstructure shortly thereafter. Contracts for the approaches are scheduled for award in December 1958 and February 1959. The project is scheduled for completion by December of 1962.

### Sixty-cycle power conversion program

Eighteen major contracts were in progress during fiscal year 1958. Included in these were five closely related replacement projects which are being coordinated with the power conversion project. The five related project contracts total \$3,477,400 and the 13 conversion project contracts total \$7,030,800. The remaining major projects in the power conversion program are: System voltage correction, \$381,500; conversion of unit No. 6, Gatun hydroelectric station, \$230,000. The contract for the conversion of Gatun, Pedro Miguel, and Miraflores Locks amounts to \$2,005,000. This contract is included in the total for the five related contracts.

Conversion of all 25-cycle consumer equipment in the Atlantic area to 60-cycle operation was virtually completed. In the Central area, consisting of Gamboa, Santa Cruz, Summit, and Paraiso, consumer equipment was completed except for the Gamboa pump station and substation transformers. Conversion of the Pacific area commenced and proceeded energetically on or ahead of schedule.

Again the principal impediment to fieldwork was the constantly recurring delay in receipt of materials ordered from U.S. manufacturers or suppliers.

### Phase I of increased dependable capacity of the locks

A 60-foot extension to the south end of the overhaul shed at Miraflores Locks was started and will be completed in fiscal year 1959. It is required for storage of additional overhaul equipment involved in Phase I.

All openings from side and center culvert laterals in the chamber floors at Pedro Miguel and Miraflores Locks were reshaped to fit

the lateral culvert plugs. Extensive cracks and open construction joints in culvert laterals were found at Pedro Miguel. All those between floor slab and culvert riser were closed with cement mortar. There remain to be sealed a great many open construction joints and cracks in laterals and risers in both lanes of Pedro Miguel Locks. This must be done to seal off leakage to a point where use of the lateral culvert plugs will be practical.

A sluice gate was installed in the center culvert drain at Pedro Miguel to facilitate its control. Two elevator shafts, one in each level, were constructed at Miraflores, and one shaft at Pedro Miguel Locks for direct access to the center culvert. A well for the culvert dewatering pump was constructed at the south end of the center culvert at Miraflores and a similar well was constructed at the south end of Pedro Miguel.

# Miscellaneous and other projects

Other major engineering and construction projects initiated or concluded during the year included the remodeling of the Governor's residence; construction of executive quarters for the Lieutenant Governor; modernization of the Administration Building and installation of air conditioning, Balboa Heights, and modernization of the Terminals Building in Cristobal; remodeling of the former Ancon Commissary to provide office space; alterations to Balboa Heights Post Office; rehabilitation of Coco Solo housing project; reconstruction of the air-conditioning system in the Civil Affairs Building; designs for retail store and gas station at Coco Solo, Civil Defense Control Center, and the Pacific side passenger and freight terminals; site development studies for a new housing development, studies and designs for improvements to quarters; rewiring of Administration Building, Cristobal, and replacement of electrical distribution system. Cristobal piers; replacement of raw water pumps and appurtenances at the Gamboa pump station; replacement of pumping and electrical systems for locks caisson No. 1; replacement of streets at Old Cristobal and Margarita; and remodeling of BOQ for an elementary school at Coco Solo.

# Operations, and capital construction by contract

Nearing the fiscal year's end, contracts in force reached a peak of \$4,200,000 in March and April, and finished the year with \$3,800,000. This was a 280 percent increase over the \$1,500,000 at the beginning of the year. Forty-one Company/Government operations contracts were awarded during fiscal year 1958 having a total value of \$693,000. Forty-seven contracts for capital construction were awarded for a total of \$3,414,000 and the earnings amounted to \$980,000.

# Boyd-Roosevelt highway maintenance

Regular maintenance and emergency work was accomplished on the 45.81 miles of this highway located within the Republic of Panama. Emergency work consisted of the removal of road-blocking slides and replacement of failed culverts.

# Sosa Hill quarry

The quarry continued at a higher level of production than for the previous fiscal year.

	Unit	Daily capacity	Produced fiscal year 1958	Produced fiscal year 1957
Quarry and crushing	cubic yard	385	38, 532	31,030
Concrete mixing plant	do	230	4, 538	3,511
Asphalt mixing plant	ton	160 .	13, 134	6,053

Chapter IV

# ADMINISTRATION

### MAJOR ORGANIZATIONAL CHANGES

During the past fiscal year a number of organizational changes were made in an effort to improve efficiency within the operations and to provide better service to all concerned.

Effective July 1, 1957, a Tabulating Section was established in the General Ledger and Processing Branch of the Accounting Division, to replace the Machine Tabulating Section of the Administrative Branch.

Effective July 1, 1957, the general accounting functions of the Supply Division were transferred to the Supply Accounting Section in the Office of the Comptroller.

Effective July 14, 1957, Plant Accounting Branch and Plant Evaluation and Transfer Staff, were merged into one organizational unit, the Plant Accounting Branch.

Effective October 1, 1957, the Commissary Division, Hotels Washington and Tivoli, Service Center Division, and Division of Storehouses were consolidated into the Supply Division of the Supply and Community Service Bureau. This division now consists of the Commissary Branch, Service Center and Hotel Section, Motion Picture Unit, and Storehouse Branch. The Housing and Grounds Division was subdivided into Grounds Branch and Housing Branch.

Effective October 6, 1957, the Aids to Navigation Section of the Marine Bureau was consolidated with the Dredging Division of the Engineering and Construction Bureau.

On November 3, 1957, the responsibility for direction of the Procurement Division was transferred from the New York office to the Supply and Community Services Bureau, Canal Zone.

Supply and Community Services Bureau, Canal Zone. Effective November 7, 1957, the Hotel Washington was turned over to the Republic of Panama. Also transferred on this date to the Republic of Panama was pier No. 3, of the Terminals Division operation, Atlantic side.

On December 1, 1957, the U.S. Navy turned over the Flamenco Island signal station to the Marine Bureau, Port Captain, Balboa, for operation and maintenance.

Control of the Company/Government's capital obligations and expenditures was transferred from the Comptroller's office to the Engineering and Construction Director.

# MAJOR PERSONNEL CHANGES

Col. Hugh M. Arnold (USA) (CE) was reassigned to Lieutenant Governor-Vice President, effective July 10, 1957, vice Colonel Herman W. Schull, Jr. (USA), relieved from duty July 9, 1957.

W. Schull, Jr. (USA), relieved from duty July 9, 1957. Col. John D. McElheny (USA), Lieutenant Governor-Vice President-designate, arrived in the Canal Zone preparatory to assuming duties upon departure of Col. Hugh M. Arnold, July 12, 1958.

Capt. Peter Grosz, Jr. (USA), was detailed from the U.S. , rmv as Military Assistant to the Governor, effective July 12, 1957, vice Major David H. Smith (USA), relieved from duty July 26, 1957.

Lt. Col. Robert D. Brown, Jr. (USA) (CE), was detailed from the

U.S. Army, effective August 3, 1957, as Engineering and Construction Director, vice Colonel Hugh M. Arnold (USA) (CE), reassigned. Mr. Lester A. Ferguson, General Manager, New York Operations, was reassigned to the position of Supply and Employee Service Director, effective October 29, 1957, vice Mr. Wilson H. Crook, deceased.

Mr. John J. Barton was transferred May 29, 1958, from the Procurement Division, to General Manager, Supply Division, Supply and Community Service Bureau.

Capt. James A. Flenniken (USN), was appointed Port Captain. Balboa, May 18, 1958, vice Captain Anthony C. Roessler (USN), relieved from duty with the Panama Canal Company May 8, 1958. Mr. Edward N. Stokes, Superintendent, Railroad Division, was

separated by reduction in force, effective July 31, 1957.

### **ORGANIZATION CHART**

A chart of the Panama Canal organization as of June 30, 1958, is included with this report.

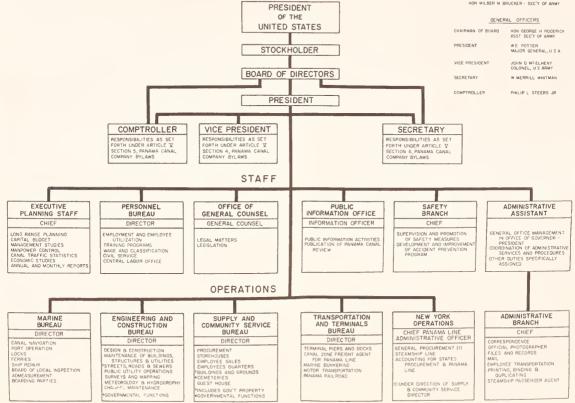
# FORCE EMPLOYED AND RATES OF PAY

The full-time force employed by the Panama Canal Company as of June 30, 1958, totaled 10,844, an increase of 310, or 2.94 percent, over the number employed on June 30, 1957. The increase consisted principally of temporary employees who were employed for locks overhaul.

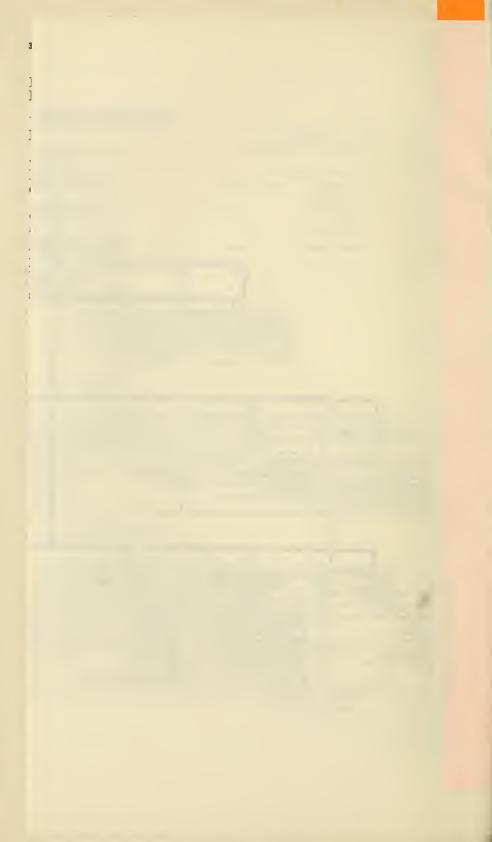
The highly diversified activities of the enterprise include a large number of different functions, and almost every employment category will be found in the organization. For many years only citizens of the United States were eligible for employment in executive, supervisory, professional, subprofessional, and clerical positions. During the past several years, however, properly qualified citizens of the Republic of Panama have been eligible for appointment to these positions in which special education, training, or other high qualifications are a requisite. The rates of pay for such positions, normally referred to as "U.S.-rate positions," are based on rates for similar positions in the Federal service in the United States plus, normally, a 25 percent tropical differential allowed in the case of U.S. citizens.

All positions for which the predominant area of recruitment is the Panama labor market constitute a second category, the Canal Zone wage group. The rates of pay within this group are based generally upon locally prevailing rates of pay. At the present time, most of these positions are those occupied by nonskilled or semiskilled workers, helpers, laborers, etc. However, the number of skilled positions in this group is increasing due to the increased utilization of non-U.S. citizens in all positions for which suitably qualified local applicants can be obtained. Most of these positions are filled by persons indigenous to the areas adjacent to the canal, although a scattering of nationals of other countries is included.

STOCKHOLDER



ORGANIZATION CHART AS OF JUNE 30,1958



The full-time force of the Company for employees paid at U.S. rates on the isthmus numbered 2,463 on June 30, 1958, as compared with 2,389 on June 30, 1957, an increase of 74, or 3.10 percent. The full-time force of those paid at Canal Zone rates numbered 8,381 as of June 30, 1958, in comparison with 8,145 on June 30, 1957, an increase of 236, or 2.90 percent. In addition to employees in the Canal Zone there were 381 U.S. citizen employees in the New York office and 1 U.S. citizen and 10 non-U.S. citizens employed in Haiti on June 30, 1958, as compared with 380 in the New York office and 1 U.S. citizen and 9 non-U.S. citizens in the Haiti office on June 30, 1957, an increase of 2.

The number of employees by function will be found in tables 30 and 31, chapter V, pages 111 and 113.

# EMPLOYEES PAID AT U.S. RATES 1

### Turnover in force

Three hundred and eighty-four full-time employees for whom replacements were required terminated during fiscal year 1958, as compared with 345 in fiscal year 1957. There were 85 employments in addition to the 384 terminated employees who were replaced.

The net turnover rate (based on replacements on total terminations) was 10.9 percent as compared with 9.8 percent in fiscal year 1957. Voluntary terminations for the year totaled 222, a rate of 6.3 percent, in comparison with 217, a rate of 6.2 percent in the previous year. Involuntary terminations for fiscal year 1958 totaled 162, a rate of 4.6 percent, in comparison with 188, or a rate of 5.3 percent in fiscal year 1957.

### Recruiting

Of the 469 full-time additions to the isthmian U.S.-rate force during fiscal year 1958, 81, or about 17 percent, were recruited from the United States, and 388, or about 83 percent, were recruited locally. The addition of these 469 employees represents an accession rate of approximately 13.3 percent.

At the close of fiscal year 1958, there were 45 U.S. requisitions pending, covering 58 U.S.-citizen positions.

### Wages

On June 20, 1958, Public Law 85-426 granted a 10 percent increase in wages for Classification Act employees, retroactive to January 12, 1958. On May 27, 1958, Public Law 85-426 granted a similar increase for postal employees, retroactive to January 11, 1958. Wages of a number of other U.S.-rate groups, including craft, supervisory, floating equipment, power branch, railroad, printing plant, and miscellaneous, were adjusted upward during the fiscal year. The total annual cost involved was \$2,024,392. The cost for fiscal year 1958 amounted to \$893,261.

<sup>&</sup>lt;sup>1</sup> Statistics in this section cover both Panama Canal Company and Canal Zone Government employees.

# EMPLOYEES PAID AT CANAL ZONE WAGE RATES 2

# Wages

No changes were reflected in the Canal Zone wage rate schedule during the fiscal year. Automatic and administrative pay increases at a total cost of approximately \$153,608 per annum were given to 2,954 employees during fiscal year 1958. Annual increases were given to approximately 100 schoolteachers in July 1957.

# Cash relief for disabled employees

The Cash Relief Act of July 8, 1937, as amended, affords a noncontributory, unfunded system for the payment of gratuities to employees of the Panama Canal Company and the Canal Zone Government who are disabled through age or disease. This act provides for a maximum monthly benefit of \$1.50 multiplied by the number of years of service, not to exceed a total of \$45.

During fiscal year 1958, monthly payments averaged \$167,857 (\$155,700 for the Company and \$11,500 for the Government). The average monthly payment per case was \$37.81 for the Company and \$38.78 for the Government, with a combined average of \$37.88.

\$38.78 for the Government, with a combined average of \$37.88. New applications totaled 339, of which 295 were approved for payment, as compared with 162 received and 89 approved for payment in fiscal year 1957. The increase in applications is the result of a policy of deferment begun in 1957 for all of those employees reaching 62 years of age pending passage of legislation to bring non-U.S. citizens under coverage of the Civil Service Retirement Act. This legislation was not passed during the first session and consequently those persons deferred in fiscal year 1957, as well as those employees who became disabled or who reached age 62, were considered for disability relief in fiscal year 1958.

Removals from the disability relief rolls due to death or subsequent reemployment totaled 255 for the Company and 19 for the Government. The number of disability relief beneficiaries as of June 30, 1958, totaled 4,456 (4,154 for the Company and 302 for the Government).

# *Repatriations*

During fiscal year 1958, \$1,304 was expended for the repatriation and rehabilitation of four former non-U.S.-citizen employees and their eight dependents. The number who can qualify under present regulations is extremely small and this function is now of little consequence.

### Separations

Separations of Canal Zone rate employees were for the most part involuntary. Of the 1,202 separations in fiscal year 1958, 7 were due to reductions in force, 279 were transfers to the disability relief rolls or deaths, 734 were terminations of temporary employees and discharges; 182 were resignations.

<sup>&</sup>lt;sup>2</sup> Statistics in this section cover both Panama Canal Company and Canal Zone Government employees.

### **INCENTIVE AWARDS** <sup>3</sup>

During the fiscal year 1958 the Company/Government organization continued its program designed to stimulate beneficial suggestions and meritorious performance of employees throughout both agencies.

Emphasis was placed on the quality of suggestions rather than on the quantity of contributions. This year 378 contributions were received in comparison with 503 in fiscal year 1957. Twenty-two honorary award recommendations and 49 suggestions were approved for cash awards totaling \$3,235. Tangible savings resulting from the adoption of the suggestions are estimated at \$51,824 per year, the highest estimate in the history of the program begun in 1956.

# SAFETY PROGRAM

The safety program of the Panama Canal Company and the Canal Zone Government is designed to develop and improve the program of accident prevention, including the coordination of occupational health, sanitation, and fire-prevention activities, and by reducing disabling injuries, reduce the frequency rate, severity, and cost of accidents. These functions and responsibilities are further emphasized by the Federal Employees' Compensation Act, which in part authorizes and directs the heads of the various departments and agencies to develop, support, and foster organized safety promotion.

The Company/Government accident prevention program made gains in important areas during fiscal year 1958 over the previous 3-year average even though the year's activities included a hazardous locks overhaul and the Panama Line operations were, for the first time, included in the Company's safety records. The most notable single gain among the various bureaus and the New York operations was that of the Transportation and Terminals Bureau which lessened its disabling injury rate by a total of 50 percent during the past 3 fiscal years despite the fact that a large part of its operations include high accident-risk stevedoring work. This Bureau's stevedoring frequency rate for the calendar period 1955-57 was 9.27 as compared to the 46.50 average reported by the National Safety Council, for the entire stevedoring industry in the United States during the same period. In addition, the Marine Bureau and the Engineering and Construction Bureau made marked improvements in reducing disabling injuries to their personnel over the same period.

During the fiscal period, the safety program successfully strove to foster more active supervisor and employee participation in the program and a greater sense of responsibility on the part of these two groups for its success. The collective welfare was highlighted in terms of relief from painful injuries while obtaining tangible employment and other benefits from immediate and long-range economy of operation through the reduction of wasteful accidents. Stress was placed upon the importance of joint employee, supervisor, and management teamwork in accident prevention, which resulted in more closely knit efforts on the part of management officials and employees, and consequently in safer, improved equipment, conditions, and work

<sup>&</sup>lt;sup>3</sup> Statistics in this section cover both Panama Canal Company and Canal Zone Government employees.

practices. The results of this approach and its reception by supervisors and employees have been such that increased reduction in accidents is anticipated for fiscal year 1959. It is believed that the groundwork has been provided for long-range improvement in accident prevention in all areas of the Company/Government.

Two fatalities occurred during the period and 127 disabling injuries were sustained, resulting in considerably increased compensation costs and arbitrary lost-time charges. However, this is the second lowest number of disabling injuries recorded in a single year since 1941, or since the opening of the canal for that matter. The fatality rate this year is equivalent to 1 accidental death for every 6,775 employees, as compared to the national average of 1 death for every 4,348 workers employed, as reported for calendar year 1956 by the National Safety There were three injuries causing permanent partial dis-Council. ability as compared to four last year, and there was one permanent total disability case this fiscal year.

This year's disabling injury frequency rate of 4.64 represents a 39percent increase over last year's rate of 3.35. However, this was the third time in the history of the organization's accident prevention program that the frequency rate was lower than the most recently published national average of 6.27, which was a new low experienced by all industry during the calendar year 1957, as reported by the National Safety Council. This year's severity rate of 787 represents an increase of 395 percent over the 1957 rate of 159. This rate represents the time charges in days per million man-hours of exposure. Disabling injuries increased by 44 percent this fiscal year in comparison with only 88 sustained during 1957.

As a result of the safety achievements earned throughout the period, the National Safety Council presented its highest award, the Award of Honor for calendar year 1957 to the Company/Government and to the Transportation and Terminals Bureau. This award is earned on the basis of "outstanding improvement" in both disabling injury frequency and severity over "par" rates prescribed by the Council to rule out chance fluctuations.

The Governor-President Annual Safety Trophy, awarded each calendar year to the bureau achieving the highest percentage improvement in disabling injury frequency rate over its own previous 3-year average, was awarded to the Transportation and Terminals Bureau for their 64-percent improvement in 1957.

#### **Safety Statistics**

	Fiscal year	
	1958	1957
Employee-hours of exposure	27, 342, 000	26, 251, 000
Disabling injuries	127	88
Injuries causing permanent partial disability	3	4
Injuries causing permanent total disability	1	0
Frequency rate 1	4.64	3. 35
Severity rate <sup>2</sup>	787	159
Number of fatalities	2	0
Days charged	21, 516	4, 163

<sup>1</sup> Disabling injuries per million employee-hours of exposure.
<sup>2</sup> Severity rate is the time charged in days, per million employee-hours of exposure.



Hon. George H. Roderick Presenting Safety "Award of Honor" to Governor Potter.



### LEGISLATION

During fiscal year 1958, Congress enacted six laws, briefly discussed below, which apply to or affect the canal enterprise (in addition to appropriation acts and various general acts which contain provisions applicable to these agencies or to the Canal Zone).

The act of August 30, 1957 (Public Law 85–223, 85th Cong.; 71 Stat. 509), authorized the conveyance of various lands and improvements to the Republic of Panama in fulfillment of the 1955 treaty and accompanying memorandum of understandings.

The act of August 30, 1957 (Public Law 85–231, 85th Cong.; 71 Stat. 514), amends the Fair Labor Standards Act of 1938, as amended, to clarify its application in the Canal Zone and certain other overseas areas.

The act of February 20, 1958 (Public Law 85-331, 85th Cong.; 71 Stat. 16), amends section 216(b) of the Merchant Marine Act, 1936, as amended, to provide for appointments of cadets from the District of Columbia, Guam, American Samoa, Virgin Islands, and *the Canal* Zone. The effect of this act, so far as the canal enterprise is concerned, is to include the Governor of the Canal Zone among officials authorized to nominate candidates for annual competitive examinations for the Academy, and provide for the allocation of two vacancies each year to the Canal Zone.

The act of March 17, 1958 (Public Law 85-346, 85th Cong.; 72 Stat. 37), amends the Canal Zone Code to provide for the transfer to the Canal Zone postal revenues of the amounts of money orders issued by the Canal Zone postal service and remaining unpaid after 20 years from date of issuance.

The act of May 19, 1958, amends section 831 of title 5 of the Canal Zone Code so as to make it a felony to injure or destroy communication facilities in the Canal Zone.

The act of June 18, 1958 (Public Law 85-460, 85th Cong.; 72 Stat. 200), amends the definition of the term "State" in the Veterans' Readjustment Assistance Act and the War Orphans' Educational Assistance Act to clarify the question of whether the benefits of those acts may be afforded to persons pursuing a program of education or training in the Canal Zone.

Chapter V

# FINANCIAL REPORT AND STATISTICAL DATA

# FINANCIAL STATEMENTS AND RELATED SUPPLEMENTARY REPORTS FOR THE YEAR ENDED JUNE 30, 1958

The financial statements of the Panama Canal Company appearing in tables 1 through 11, with the accompanying notes, fairly present the financial position of the Company at June 30, 1958, and the financial results of its operations for the fiscal year then ended. Tables 9 through 11 were previously published on October 10, 1958, as an official release to the press and were included in the Annual Report of Board of Directors to Stockholder.

All statements have been examined by the Internal Audit Staff of the Company, and are subject to audit by the General Accounting Office. Audit reports of the General Accounting Office are directed to the Congress and are printed as congressional documents.

Supplementary information concerning funds, operating results, payments to the U.S. Treasury, net direct investment of the U.S. Government, and retained revenue is presented in the tabulations and comments which follow:

# Source and application of funds

44

The following is a condensed statement of funds provided and applied during the year ended June 30, 1958:

FUNDS PROVIDED:	
Income from operations (table 3)	\$2, 656, 382
Add back nonfund transactions:	-, 000, 001
Provision for depreciation \$5 262 336	
Provision for locks overhaul	
Amortization of slide hazard 200, 000	
Miscellaneous50, 261	
00, 201	6, 553, 397
	0, 000, 001
Total funds from current operations	9, 209, 779
Currently realized proceeds from sale of SS Panama	1, 069, 500
Excess of market over book value of Canal Zone Government	1, 003, 000.
properties transferred to Republic of Panama under 1955	
treaty	372, 540
Decrease in accounts receivable	640, 368
Decrease in inventories	
Increase in current liabilities	23, 343
Appropriation for Panama Canal bridge	145, 164
appropriation for Fanania Gallar Dildge	750, 000 <sup>,</sup>
Total funds provided	19 910 004
	12, 210, 694

FUNDS APPLIED:	
Acquisition of fixed assets \$7, 738, 274	
Less net plant salvage 310, 408	
	\$7, 427, 866
Cost of overhaul of canal locks	2, 796, 548
Increase in cash	1, 791, 211
Increase in other current assets	
Panama Canal bridge expenditures	
Total funda analiad	10 010 004
Total funds applied	12, 210, 694

# Financial operating results

Since its reorganization on July 1, 1951, the Panama Canal Company has completed 7 years of operation without cost to the American taxpayer. Net revenue for the fiscal year ended June 30, 1958, after provision for payment to the U.S. Treasury of \$8.8 million interest on the U.S. Government's direct investment, and \$10.7 million covering net cost of the Canal Zone Government, was \$2.66 million as compared with net revenue of \$3.82 million for the preceding year.

As to dollar volume of traffic, fiscal year 1958 was the best in the history of the Panama Canal. Tolls and tolls credits reached an alltime high of \$42.8 million, as compared with the previous highs of \$39.7 million for the preceding year and \$37.5 million in 1953. The decline in net revenue was caused by a sharp rise in operating expenses, primarily due to wage increases, which more than offset the increase in tolls.

### Net direct investment of the U.S. Government

Certain properties, having an appraised market value of \$4.8 million, were transferred to the Republic of Panama to fulfill treaty obligations. Additional properties, having an appraised market value of \$14.7 million, will be so transferred during subsequent years. Public Law 85–223, approved August 30, 1957, provides for a reduction in the interest-bearing investment of the U.S. Government for the economic loss based on market value of such properties transferred and on net capital loss of certain properties which have become excess due to the Treaty.

### Retained revenue

As provided by section 246 of title 2 of the Canal Zone Code, as amended, the Company's retained revenue consists of all net revenue from operations of the Company and its predecessor, the Panama Railroad Company (New York), from and after 1904 plus the undistributed net revenue prior to 1904. All capital repayments made to the U.S. Government by both corporations are treated by law as repayments of the Government's direct investment in the Company and serve thereby to reduce the interest-bearing portion of the Government's equity. The amounts thus applied to date are shown in Table 2, Comparative Statement of Equity of U.S. Government.

Comparative Statement of Equity of U.S. Government. Retained revenue, exclusive of a \$10 million emergency fund held by the U.S. Treasury, increased from \$85,564,383 at June 30, 1957, to \$88,548,430 at June 30, 1958. The composition of retained revenue is detailed in Table 2, Comparative Statement of Equity of U.S. Government.

# Assets CURRENT ASSETS: Fund balances with U.S. Treasury and cash: Fund balances: Allocation from U.S. \$26, 862, 697 Government agencies\_\_\_\_\_ 8,905 \$26, 871, 602 Cash in commercial banks, on hand and transit\_\_\_\_\_ 3, 892, 555 \$30, 764, 157 Notes receivable\_\_\_\_\_ 1,069,500 Accounts receivable: Canal Zone Government \$1, 387, 436 Other U.S. Government agencies 513, 374 Others 1, 438, 172 3, 338, 982 Inventories, principally at average cost (table 7):Materials and supplies, less allowance of \$1,047,906 for excess, obsolete, and in-\$4, 491, 880 3, 412, 911 active stocks\_\_\_\_\_ Merchandise held for sale\_\_\_\_\_ 7, 904, 791 Other current assets\_\_\_\_\_ 201, 339 Total current assets\_\_\_\_\_ 43, 278, 769 LONG-TERM NOTES RECEIVABLE 2, 139, 000 FIXED ASSETS (note 1 and table 8): Less depreciation and valuation allowances. \$598, 011, 736 185, 562, 286 412, 449, 450 PANAMA CANAL BRIDGE: Fund balance with U.S. Treasury\_\_\_\_\_\$590, 382 Construction work in progress\_\_\_\_\_ 159, 618 750,000 DEFERRED CHARGES AND OTHER ASSETS 4,044,907

Table 1.-Statement of Financial Condition, June 30, 1958

462, 662, 126

Liabilities and equity	
CURRENT LIABILITIES: Accounts payable:	
U.S. Government agencies\$1, 355, 164 Others2, 349, 927	¢2 705 001
Due U.S. Treasury:	\$3, 705, 091
Net cost of Canal Zone Government\$1, 644, 310Interest on net direct investment710, 994Annuity payment to Republic of710, 994	
Panama 35, 833	2, 391, 137
Accrued liabilities: Salaries and wages\$1, 794, 103	
Employee's accrued leave 6, 606, 940	
Damages to vessels         463, 833           Others         432, 230	
Customers' deposits and advances (includes	9, 297, 106
Army funds of \$8,905)	345, 149
Other current liabilities	315, 030
Total current liabilities	16, 053, 513
Reserves:	
Periodic overhaul of canal locks\$1, 448, 531 Noncapital costs of power conversion\$4, 000, 000	
	5, 448, 531
EQUITY OF U.S. GOVERNMENT (note 2 and table 2): Net direct investment, interest-bearing \$351, 861, 652 Retained revenue, noninterest-	
bearing \$98, 548, 430 Less fund on deposit with	
U.S. Treasury, available on loan basis without in-	
terest	
Panama Canal bridge 750, 000	
	441, 160, 082
	462, 662, 126

# Table 1.—Statement of Financial Condition, June 30, 1958—Continued

The accompanying "Notes Pertaining to Financial Statements" are an integral part of this statement.

### NOTES TO FINANCIAL STATEMENTS, JUNE 30, 1958

1. Fixed assets.—Fixed assets generally are stated at cost, or if acquired from another Government agency at original cost to such agency. Valuation allowances have been established in accordance with sections 246 and 412 of title 2 of the Canal Zone Code (1) to offset the cost of defense facilities and suspended construction projectsprincipally the partial construction of a third set of locks abandoned in the early part of World War II-totaling \$89.4 million and interest during original construction aggregating about \$50.9 million; and (2) to reduce to usable value the cost of those fixed assets transferred to the Company from The Panama Canal (agency) at July 1, 1951. Depreciation or amortization allowances have not been provided on certain assets—land titles, treaty rights, and excavations of channels. harbors, basins, and other works-costing about \$281 million based on historical practice and a construing of the Canal Zone Code as not requiring the depreciation or amortization of such costs. Depreciation allowances on all other fixed assets are accumulated on a straightline group basis; losses or gains on retirements generally are charged or credited to the accumulated allowances.

2. Equity of the U.S. Government.—The equity of the U.S. Government in the Company consists of the net direct investment, established in accordance with section 246 of title 2 of the Canal Zone Code, and the retained revenues. The Company is required to pay interest to the U.S. Treasury on the net direct investment at a rate established by the Secretary of the Treasury. The rates for 1958 and 1957 were, respectively, 2.482 and 2.485 percent.

An emergency fund of \$10 million is available in the U.S. Treasury from which the Company may borrow funds for authorized purposes on an interest-free basis for limited periods. The fund was established by the predecessor Company in June 1948 out of retained revenues pursuant to section 254 of title 2 of the Canal Zone Code.

Public Law 85-223, authorizing the transfer of properties to the Republic of Panama pursuant to the 1955 treaty, provided for a reduction in the net direct investment of the U.S. Government of the market value of the properties—aggregating about \$14.7 million—and of any capital losses sustained in the relocation or disposal of facilities resulting from the treaty. The net direct investment was reduced \$4.8 million during fiscal year 1958 representing the market values of the properties transferred to Panama during the year.

Public Law 753, 84th Congress, directed the Company to construct, maintain, and operate a high-level bridge across the canal at Balboa; the costs of construction and of maintenance and operation to be treated as extraordinary costs incurred through a directive based on national policy and not related to the operations of the Company. An appropriation of \$750,000 for planning and engineering studies was made in fiscal year 1958. An additional appropriation of \$19,250,000 for construction of the bridge became available on July 1, 1958.

3. Contingent and other liabilities.—The Company has outstanding, at all times, contingent and continuing liabilities in indeterminable amounts arising principally from monthly relief benefits payable to retired alien employees; benefits payable under provisions of the Federal Employees Compensation Act; commitments for construction work, supplies, and services; and pending suits and claims.

The relief payments to be made to retired alien employees in fiscal year 1959 are estimated at \$1.9 million. Commitments under uncompleted construction contracts and unfilled purchase orders amounted to about \$8.5 million at June 30, 1958. The maximum liability which would result from outstanding claims and lawsuits is estimated to be about \$3 million.

Public Law 85-550, approved July 25, 1958, bringing non-U.S.citizen employees under the civil service retirement system resulted in a payment to the U.S. Civil Service Commission of about \$4.9 million for retroactive costs to June 30, 1958. These costs will be recorded as an adjustment of retained income.

The Company held at June 30, 1958, negotiable U.S. Government securities in the face amount of \$770,000, deposited by customers to guarantee payment of tolls and other charges and, on behalf of the Canal Zone Government, securities in the face amount of \$391,500 to guarantee payment of possible judgments rendered against insurance companies operating in the Canal Zone.

NET DIRECT INVESTMENT: Capital stock in Panama Railroad Company	\$7, 000, 000
Valuation of net assets transferred from The Panama Canal (agency)	
Gross direct investment	409, 176, 883
Less dividends and other charges deductible from direct in- vestment: Capital repayments to U.S. Treasury:	
Prior to June 30, 1951 Subsequent to June 30, 1951 Appraised value of properties conveyed to the Republic	23, 994, 905 15, 000, 000
of Panama without reimbursement: Dec. 16, 1943 Nov. 7, 1957 Property transfers, other U.S. Government agencies, net	$11, 759, 956 \\ 4, 820, 000 \\ 1, 740, 370$
Total deductions	
Net direct investment	351, 861, 652
RETAINED REVENUE: Retained revenue at July 1, 1951 Net revenue subsequent to July 1, 1951 Forther officiary (charge) and and its to retain d	71, 136, 026 22, 812, 635
Extraordinary (charges) and credits to retained revenue: Net gain on sale of SS <i>Panama</i> Excess of market over book value of properties trans- ferred to Republic of Panama under 1955 treaty:	4, 272, 104
Panama Canal Company properties Canal Zone Government properties	3, 955, 125 372, 540
Provision for noncapital power conversion costs	(4, 000, 000)
Less fund held by U.S. Treasury	98, 548, 430 10, 000, 000
Retained revenue	88, 548, 430
PANAMA CANAL BRIDGE	750, 000
EQUITY OF UNITED STATES GOVERNMENT.	441, 160, 082

# Table 2 .-- Statement of Equity of U.S. Government, June 30, 1958

The accompanying "Notes Pertaining to Financial Statements" are an integral part of this statement.

# Table 3.—Statement of Revenue and Expenses, Year Ended June 30, 1958

		Canal	Supporting service
	(1) ( )	operations	operations
REVENUE:	Total	(table 4)	(table 5)
Canal tolls Credit for tolls on U.S. Govern-	\$41, 843, 525	\$41, 843, 525	
ment vessels	990, 481	990, 481	
Sales of commodities	17, 706, 260		\$17, 706, 260
Sales of services	19, 970, 846	3, 694, 093	16, 276, 753
Rental of quarters	2, 599, 497		2, 599, 497
Total revenue	83, 110, 609	46, 528, 099	36, 582, 510
Open a server Europaus			
OPERATING EXPENSES: Direct expenses and interdivi-			
sional sales and services	56, 592, 645	19, 029, 933	37, 562, 712
Cost of commodities sold	13, 361, 199		13, 361, 199
Depreciation	5, 140, 134	2, 030, 610	3, 109, 524
*			
Total operating expenses	75, 093, 978	21,060,543	54, 033, 435
Less interdivisional sales and	00 071 075	1 999 504	10 500 001
services	20, 871, 875	1, 332, 584	19, 539, 291
Net operating expenses	54, 222, 103	19, 727, 959	34, 494, 144
OPERATING INCOME	<b>28, 888, 50</b> 6	26, 800, 140	2, 088, 366
GENERAL CORPORATE EXPENSES:			
Net cost of Canal Zone Govern-			
ment (table 3, Canal Zone			
Government financial state-			
ments)	10, 737, 194		
Interest on net direct invest	0 770 500		
ment of the U.S. Government. Administrative and other ex-	8, 778, 560		
penses (includes \$122,202 de-			
preciation) (table 6)	6, 716, 370		
1			
Total general corporate ex-			
penses	26, 232, 124		
NET REVENUE	2, 656, 382		
IVET IVEVENUE	2, 000, 082		

The accompanying "Notes Pertaining to Financial Statements" are an integral part of this statement.

### FINANCIAL REPORT AND STATISTICAL DATA

# Table 4.—Statement of Revenue and Operating Expenses, Canal Operations, Year Ended June 30, 1958

REVENUE: Canal tolls. Credit for tolls on U.S. Government vessels Harbor pilotage, tug, launch, and other services				\$41, 843, 525 990, 481 3, 694, 093
Total revenue				46, 528, 099
OPERATING EXPENSES: Navigation services and control Locks operation and maintenance Provision for periodic overhaul of locks Dredging of channel and harbors. Amortization of cost of removing slide hazard Meteorology and hydrography Operation and maintenance of dams, reservoirs, and spillways Operation and maintenance of ferry across canal Amortiy to Republic of Panama (repayment to U.S. Treasury) Damage to vessels Other operating expenses	81, 710 522, 062 430, 000 355, 658	Depreci- ation \$261,070 1,224,798 356,517 8,724 115,573 52,297  11,631		
Total operating expenses			\$21, 060, 543 1, 332, 584	
Net operating expenses OPERATING INCOME (table 3)				19, 727, 959 26, 800, 140

# Table 5.—Statement of Revenue and Operating Expenses, Supporting Services, Year Ended June 30, 1958

		Revenues	11168			obe	Operating expenses	\$e8		
StrPPORTNO SERVICES: Martine services:	Sales of commod- ities	Sales of services	Rental of quarters	Total Tevenue	Direct expenses and inter- divisional salcs and services	Cost of commod- ities sold	Depreci- ation	Less inler- divisional sales and services	Net operating expenses	Operating income or (loss)
Marine terminal operations Vessel repuirs operations. Hotel Washington operations	\$25, 457	$ \begin{array}{c} \$4, 758, 776\\ 1, 537, 238\\ 38, 544 \end{array} $		$\begin{array}{c} \$4, 758, 776\\ 1, 537, 238\\ 64, 001 \end{array}$		\$13, 248	\$400,057 93,875 3,321	\$537, 200 1, 372, 221 1, 612	44, 112, 027 1, 406, 109 43, 981	\$646, 749 131, 129 20, 020
Total maritime services	25,457	6, 334, 558		6, 360, 015	6, 962, 649	13, 248	497, 253	1, 911, 033	5, 562, 117	797, 898
Employees' services: Commissaries Service centers	$13, 230, 516 \\2, 902, 977$	168, 728 265, 206		$\frac{13,399,244}{3,168,183}$	5, 214, 370 1, 405, 755	$10, 493, 140 \\ 1, 786, 622$	147, 375 93, 551	2, 585, 272 118, 877	$\frac{13,269,613}{3,167,051}$	129, 631 1, 132
U.Srate quarters			$1,972,651\\626,846$	$1,972,651\\626,846$	993, 822 509, 828		573, 567 147, 804	67, 441 13, 515	1, 499, 948 644, 117	472, 703 (17, 271)
Total employees' services	16, 133, 493	433, 934	2, 599, 497	19, 166, 924	8, 123, 775	12, 279, 762	962, 297	2, 785, 105	18, 580, 729	586, 195
Transportation and utilities services: Railroad. Moltor transportation. Steamship line. Power system. Ournumiection system.	46,941	$\begin{array}{c} 818, \ 704\\ 818, \ 704\\ 124, \ 665\\ 4, \ 630, \ 631\\ 1, \ 415, \ 824\\ 1, \ 155, \ 122\\ \end{array}$		$\begin{array}{c} 818, 704\\ 818, 704\\ 124, 655\\ 1, 415, 824\\ 1, 415, 824\\ 1, 155, 122\end{array}$	$\begin{array}{c} 1,\ 393,\ 848\\ 1,\ 448,\ 640\\ 5,\ 948,\ 511\\ 1,\ 750,\ 292\\ 939,\ 031\end{array}$	21, 896	79, 388 235, 022 170, 126 582, 190 63, 547 245, 225	$\begin{array}{c} 529, 702\\ 1, 587, 316\\ 1, 351, 920\\ 1, 179, 588\\ 1, 179, 588\\ 253, 341\end{array}$	$\begin{array}{c} 943, 534\\ 96, 346\\ 96, 346\\ 1, 152, 894\\ 1, 152, 894\\ 1, 152, 894\\ 930, 915\end{array}$	$\begin{array}{c}(124,830)\\28,319\\(111,041)\\262,930\\51,022\\224,207\end{array}$
Total transportation and utilities services	46, 941	8, 438, 263		8, 485, 204	11, 929, 491	21,896	1, 375, 498	5, 172, 288	8, 154, 597	330, 607
Other supporting services: Engineering and maintenance services. Supply operations. Procurement division. Printing plant. Orounds maintenance.	$\begin{array}{c} 1, 082, 458\\ 161, 415\\ 256, 496\end{array}$	694, 706 20, 620 20, 620 880 133, 816 18, 237 18, 237 201, 739		$1,103,078\\1,103,078\\162,295\\-390,312\\18,237\\201,739$	$\begin{array}{c} 4, 682, 462\\ 3, 969, 428\\ 44, 183\\ 243, 977\\ 272, 995\\ 338, 664\\ 995, 088\end{array}$	829, 024 85, 861 131, 408	$\begin{array}{c} 118,\ 742\\ 98,\ 456\\ 5,\ 412\\ 5,\ 412\\ 947\\ 11,\ 263\\ 13,\ 142\\ 26,\ 514\end{array}$	$\begin{array}{c} 4,\ 228,\ 920\\ 3,\ 982,\ 148\\ 10,\ 546\\ 244,\ 924\\ 233,\ 446\\ 333,\ 446\\ 847,\ 383\end{array}$	$\begin{array}{c} 572,284\\914,760\\124,910\\392,168\\18,360\\174,219\end{array}$	$\begin{array}{c} 122, 422\\ 188, 318\\ 37, 385\\ 37, 385\\ (1, 856)\\ (1, 856)\\ 27, 520\end{array}$
Total other supporting services	1, 500, 369	1, 069, 998	9 9 1 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2, 570, 367	10, 546, 797	1, 046, 293	274, 476	9, 670, 865	2, 196, 701	373, 666
TOTAL OFERATING INCOME (table 3)	17, 706, 260	16, 276, 753	2, 599, 497	36, 582, 510	37, 562, 712	13, 361, 199	3, 109, 524	19, 539, 291	34, 494, 144	2, 088, 366

# PANAMA CANAL COMPANY

# Table 6.—Administrative and Other General Expenses, Year Ended June 30, 1958

Administrative Expenses Under Statutory Limitation:	
Comptroller's office and staff	\$1, 901, 919
Personnel Bureau	526, 648
President's office and staff	507, 727
Administrative Branch	507,727 318,262
Office of the Secretary	67, 624
Provision for General Accounting Office audit services	97, 329
Board of Directors' expenses	15, 846
Consultants and advisers	7, 734
Branch accounting offices	263, 898
Office of Marine Director	98, 851
Office of Engineering and Construction Director	118, 494
Office of Supply and Employee Service Director	71,612
Office of Transportation and Terminals Director	47, 232
General and special engineering services	158, 404
Apprentice program	67,810
Public services	76, 211
Maintenance of Company buildings	147,024
Duplicating unit	72, 130
Alien cash relief	$\begin{array}{c}1,867,919\\673,806\end{array}$
Employees' States travel	673, 806
Recruiting and repatriation	200, 485
Death and disability compensation	88, 669
Provision for retroactive pay adjustment	146,041
Leave liability variation Contribution to Federal employees' government life insurance	85, 365
Contribution to Federal employees' government life insurance	59, 232
Other miscellaneous expense	31, 833
Depreciation	99, 639
Total	7, 817, 744
OTHER GENERAL EXPENSES NOT UNDER STATUTORY LIMITATION:	
Branch Accounting Office	70, 715
Inventory reserve expense	170,000
Noncapital losses resulting from treaty implementation	467.427
Provision for retroactive pay adjustment	$\begin{array}{r} 247,986\\70,758\\(113,306)\end{array}$
Leave liability variation	70, 758
Other miscellaneous expenses	(113, 306)
Depreciation	22, 563
Total	936, 143
Total administrative and other general expenses	8, 753, 887
Less Devenues and Ormer Courses	
Less Revenues and Other Credits:	107 095
Revenues Administrative expenses assessed to Canal Zone Government	$\begin{array}{c} 287,835\\ 750,000 \end{array}$
Distribution of alien cash relief	966, 554
Other transfers of costs	33, 128
Other transfers of costs	00, 128
Total revenues and other credits	2, 037, 517
NET ADMINISTRATIVE AND OTHER GENERAL EXPENSES (table 3)	6, 716, 370

# Table 7.-Inventories, June 30, 1958

MATERIALS AND SUPPLIES:	
Storehouse Branch: General materials and supplies	\$3, 793, 239
Petroleum products	167, 190
Scrap	213, 237 306, 329
In transit to isthmus	300, 329
	4, 479, 995
Other divisions' stock:	
Dredging Division	99, 471
Commissary Branch Locks Division	86,570 104,259
Railroad Division	186, 589
Construction and maintenance activities	162, 158
Water system	57, 557
Steamship line Industrial Division	67, 443 36, 003
Terminals Division	96, 817
Motor Transportation Division	58, 992
Printing plants	3, 012
Electric power system	45, 937
	1, 004, 808
Manufacturing and repair work in progress: Industrial Division Other units	54, 755 228
	54, 983
Less allowance for losses	5, 539, 786 1, 047, 906
Total materials and supplies	4, 491, 880
Merchandise Held for Sale:	
Commissary Branch:	9 649 777
In warehouses and in stores In transit to isthmus	$2, 648, 775 \\590, 536$
	3, 239, 311
Service centers	162.488
Tivoli Guest House Steamship line	$\begin{array}{c} 6,798\\ 4,314\end{array}$
Total merchandise held for sale	3, 412, 911
TOTAL INVENTORIES (table 1)	7, 904, 791

Table 8.--Changes in Fixed Assets and Related Allowances for Depreciation and Economic Valuation,

		Retirement
	Fixed assets	Transfers
	Fixed	Adjustments
		Batances Current addi- June 30, 1957 tions Adjustments Transfers Retirement
Year Ended June 30, 1958		Batances June 30, 1957
Ended Jur		
Year I		
		IES:
)		ARINE FACILITIES eaty rights:

					PINAN	CIA	. REPUR	I AND S	TAI	15	ICAL D	AIA	1
	Balances June 30, 1958 \$10,000,000	4, 728, 889 984, 882	15, 713, 771	50, 892, 311	$\begin{array}{c} 228, 669, 342\\ 14, 999, 298\\ 11, 613, 816\\ 9, 287, 095\\ 1, 733, 999\end{array}$	266, 303, 550	$\begin{array}{c} 79,\ 256,\ 009\\ 10,\ 471,\ 342\\ 10,\ 033,\ 351\\ 6,\ 975,\ 518\\ 6,\ 975,\ 518\end{array}$	$ \begin{array}{c} 0, 122, 309\\ 1, 917, 248\\ 1, 948, 203\\ 250, 486\\ 43, 196 \end{array} $	112, 399, 262	445, 308, 894	$\begin{array}{c} 17,525,696\\ 5,822,851\\ \end{array}$	23, 348, 547	
	Retirements						$\substack{(\$148, 750)\\(601, 231)}$		(805, 284)	(805, 284)	(115, 991) (497, 346)	(613, 337)	
Fixed assets	Transfers	(\$539, 960)	(539, 960)				$\begin{array}{c} 4, 415\\ (1, 546, 645)\\ \hline 1, 155, 674\\ \hline 674\\ \end{array}$	$\begin{array}{c} 04, 252\\ 157\\ 328, 769\\ 10, 274\\ 3, 920\end{array}$	20, 816	(519, 144)	$(98, 358) \\ (246, 635) \\ (763, 041) $	(1, 108, 034)	
Fixed	Adjustments	(\$27, 658)	(27, 658)			8	(668)	(4, 010	73, 942	46, 284	3, 888	3, 888	
	Current addi- tions				\$1,041,285	1, 041, 285	64, 195 28, 168 36, 409	3, 004 5, 076	145, 798	1, 187, 083	239, 541 12, 735	252, 276	
	Batances June 30, 1957 \$10, 000, 000	$\frac{4}{1}, 728, 889$ 1, 552, 500	16, 281, 389	50, 892, 311	$\begin{array}{c} 227, 628, 057\\ 14, 999, 298\\ 11, 613, 816\\ 9, 287, 095\\ 1, 733, 999\end{array}$	265, 262, 265	$\begin{array}{c} 79, 336, 149\\ 12, 591, 718\\ 10, 033, 351\\ 5, 818, 153\\ 5, 000\\ 3, 250\\ 3, 000\\ 3, 250\\ 3, 000\\ $	$^{0,092,020}_{1,087}$ $^{194,087}_{1,619,434}$ $^{242,572}_{242,572}$ $^{36,198}_{36,198}$	112, 963, 990	445, 399, 955	17, 500, 504 6, 550, 209 763, 041	24, 813, 754	
	CANAL AND OTHER MARINE FACILITIES: Lands, titles, and treaty rights: Treaty payments to Republic of Panama, 1904	Depopulation of Canal Zone Lands owned in fee, Colon, Republic of Panama	Total lands, titles, and treaty rights	Interest during construction	Canal excavation, fills, and embankments: Canal channel, harbors, and basins. Dams. Dams. Break varters. Spillways.	Total canal excavations, fills, and embankments	Canal structures and equipment: Locks Division. Dreteting Division. Pars and spillway structures. Port Captains, Balboa and Cristobal.	Meteorological and Hydrographic Branch Perty lacitics Frank activities Engineering Division aslvage depot	Total canal structures and equipment	Total canal and other marine facilities	OTHER MARTYME FACHTIFIS: Marter Terminals Division Industrial Division Hotel Washington	Total other maritime facilities	

$\begin{array}{c} 11, \ 732, \ 615\\ 2, \ 361, \ 599\\ 9, \ 160, \ 020\\ 20, \ 898, \ 305\\ 20, \ 898, \ 305\\ 10, \ 522, \ 671\\ 10, \ 522, \ 671\\ \end{array}$	57, 551, 431 $5, 949, 331$ $3, 327, 329$	32,025,955 41,302,615	$\begin{array}{c} 419,665\\ 335,460\\ 321,830\\ 2,881,948\\ 3,233,315\\ \end{array}$	7, 192, 218	$\begin{array}{c} 2,810,286\\ 1,061,075\\ 53,095\end{array}$	3, 924, 456	109, 970, 720	578, 628, 161	3, 367, 406	$\begin{array}{c} 12,678,164\\ 3,338,005 \end{array}$	16, 016, 169
$\begin{array}{c} (10,085)\\ (94,436)\\ (94,436)\\ (279,101)\\ (5,242)\\ (177,766)\end{array}$	$(566, 664) \\ (48, 496) \\ (53, 160) $	(585, 645) (687, 301)	$\begin{array}{c} (3, 308) \\ (5, 051) \\ (5, 051) \\ (3, 098) \\ (110, 414) \\ (149, 217) \end{array}$	(271, 088)	(234, 713) (2, 009)	(236, 722)	(1, 761, 775)	(3, 180, 396)	(366, 436)	290, 285	290, 285
$\begin{array}{c} 1, 620 \\ (83, 553) \\ (7, 033) \end{array}$	(693, 711) (693, 711)	(1, 645, 471) (2, 338, 799)	55 182,825 (388,232)	(205, 352)	$\begin{array}{c} 94,083\\(12,717)\\(539)\end{array}$	80, 827	(2, 552, 290)	(4, 179, 468)	4, 223, 103		
(72) 118 (14, 797)	(14, 751) 35, 789 (88)	(55, 202) (19, 501)	75	1, 158	862	798	(32, 296)	17, 876	(2, 005, 317)	(1, 579)	(1, 579)
$\begin{array}{c} 6, 157\\ 140, 924\\ 12, 780\\ 12, 780\\ 41, 601\\ 601\\ 60, 384\\ 50, 384\end{array}$	312, 105 77, 179 9. 029	179, 767 265, 975	814 8, 438 2, 137 49, 799 93, 803	154, 991	$\begin{array}{c} 16,959\\ 16,303\\ 5,572\end{array}$	38, 834	771, 905	2, 211, 264		5, 264, 865 (221, 827)	5,043,038
736, 1147, 219, 2219, 664, 664, 664, 664, 664, 664, 664, 66	57, 909, 707 6, 578, 570 3, 371, 165	34, 132, 506 44, 082, 241	422, 104 332, 073 322, 716 2, 759, 738 3, 675, 878	7, 512, 509	$\begin{array}{c} 2,\ 933,\ 957\\ 1,\ 058,\ 700\\ 48,\ 062\end{array}$	4, 040, 719	113, 545, 176	583, 758, 885	1, 516, 056	$\begin{array}{c} 7,414,878\\ 3,269,547\end{array}$	10, 684, 425
SUPPORTING AND GENERAL FACILITIES: Transportation and utilities: Parama Railroad. Motor Transportation Division. Steemship line. Fower system. Water system.	Total transportation and utilities	liousing Division 'Totai employee services and facilities.	Other supporting services: Trovi Guest House. Printing plant	Total other supporting services	General facilities: Miscellaneous Company buildings Miscellaneous office equipment—Isthmus Miscellaneous office equipment—New York Office.	Total general facilities	Total supporting and general facilities	Total fixed assets in service	FACILITIES HELD FOR FUTURE USE.	CONSTRUCTION AND RETIREMENTS IN PROGRESS: Construction work. Retirements.	'Fotal construction and retirements in progress.

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Table 8.---Changes in Fixed Assets and Related Allowances for Depreciation and Economic Valuation, Year Ended June 30, 1958-Continued

			Fixed assets	188618		
< compared with the second s	Balances June 30, 1957	Balances Current addi- une 30, 1957 tions	Adjustments	Transfers	Adjustments Transfers Retirements June 30, 1958	Balances June 30, 1958
RESERVE FOR EARLY RETIREMENT OF 25-CYCLE POWERPLANT						
Total fixed assets in service, construction and retirements in progress, facilities held for future use and reserve	\$595, 959, 366	\$7, 254, 302	(\$1, 989, 020)	\$13, 635	(\$3, 256, 547)	\$598, 011, 736
DEFENSE FACILITIES AND SUSPENDED CONSTRUCTION PROJECTS: Defense facilities: Canal defense property.	37, 624, 715 0.019, 491			(43, 635)	(41, 485)	37, 583, 230 8, 975, 856
Navy reserve ship repair "acui les	46, 644, 206			(43, 635)	(41, 485)	46, 559, 086
Suspended construction projects: 3d set focks Tethrmion see lavel canal stridies 1947	38, 197, 203 4, 622, 738					38, 197, 203 4, 622, 738
Total suspended construction projects	42, 819, 941					42, 819, 941
Total defense facilities and suspended construction projects.	89, 464, 147			(43, 635)	(41, 485)	89, 379, 027
Totals	685, 423, 513	1 7, 254, 302	(1, 989, 020)		(3, 298, 032)	687, 390, 763

See footnote on p. 61.

		Allowance	Allowances for depreciation and economic valuation	n and economi	c valuation		Net hook
CANAL AND OTHER MARINE FACILITIES: Lands, titles, and treaty rights:	Balances June 30, 1957	Current de- preciation	Adjustments	Transfers	Retirements	Balances June 30, 1958	value June 30, 1968
Treaty payments to Republic of Panama, 1904 Depopulation of Canal Some- Lands owned in fee, Colon, Republic of Panama							\$10,000,000 4, 728,889 984,882
Total lands, titles, and treaty rights.							15, 713, 771
Interest during construction	\$50, 892, 311					\$50, 892, 311	
Canal excavation, fills, and embankments: Canal ehannet, harbors, and basins							228, 669, 342
Locks, excavations Breakwaters Spillways	0         1         3         1           0         1         3         3         3           0         1         3         3         3           0         1         3         3         3           0         1         3         3         3           0         1         1         3         3           0         1         1         3         3           0         1         1         3         3           0         1         1         1         3           0         1         1         1         1           0         1         1         1         1           0         1         1         1         1           0         1         1         1         1           0         1         1         1         1         1           0         1         1         1         1         1           0         1         1         1         1         1           0         1         1         1         1         1           0         1	J         I         B         F           5         0         0         0         0           6         1         0         0         0           7         1         0         0         0           8         1         0         0         0           9         0         1         0         0           9         0         0         0         0           9         0         0         0         0           9         0         0         0         0           9         0         0         0         0           9         0         0         0         0           9         0         0         0         0           9         0         0         0         0           9         0         0         0         0           9         0         0         0         0           9         0         0         0         0	I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I	I         J         J         J           I         J         J         J         J           I         J         J         J         J           I         J         J         J         J           I         J         J         J         J           I         J         J         J         J           I         J         J         J         J           I         J         J         J         J           I         J         J         J         J           I         J         J         J         J           I         J         J         J         J           J         J         J         J         J         J           J         J         J         J         J         J         J           J         J         J         J         J         J         J         J           J         J         J         J         J         J         J         J		3         5         3         8           1         2         3         1           1         2         3         1           1         3         3         1           1         3         3         1           1         3         3         3         1           1         3         3         3         1           1         3         3         3         1           1         3         3         3         1           1         3         3         3         1           1         3         3         3         1           1         3         3         3         1           1         3         3         3         1           1         3         3         3         1           1         3         3         3         1           1         3         3         3         1           1         3         3         3         1           1         3         3         3         3           1         3         3         3	14, 999, 298 11, $613, 816$ 9, $287, 095$ 1, $733, 999$
Total canal excavations, fills, and embankments							266, 303, 550
Canal structures and equipment: Locks Division.	34, 326, 818	\$1.224.798		\$3.608		35 557 300	43 608 700
Dredging Division Dams and spillway structures Port Captains, Balboa and Cristobal	6, 589, 624 3, 405, 235 4 134 906	356, 517 115, 573 189, 714	(\$655)	(694, 373)	)	5, 646, 590 3, 520, 808	4, 824, 752 6, 512, 543
Alds to havigation Meteorological and Hydrographic Branch. Prover footigical	1, 645, 313	78, 356 6, 745	41, 494	46, 378	(14, 764) (14, 764)	<sup>4</sup> , <sup>941</sup> , <sup>040</sup> 1, 796, 777 109, 753	2, 000, 010 1, 427, 132 87, 495
Industrial Division salvage depot. Engineering Division.	1, 252, 506 157, 557 19, 583	52, 297 11, 631 1, 980		8, 413 2, 711	(2, 373) (1, 984)	1, 304, 803 175, 228 22, 290	643,400 75,258 20,906
Total canal structures and equipment	51, 634, 254	2, 030, 611	40, 839	25, 959	(656, 460)	53, 075, 203	59, 324, 059
Total canal and other marine facilities	102, 526, 565	2, 030, 611	40, 839	25, 959	(656, 460)	103, 967, 514	341, 341, 380
OTHER MARTIME FACILITIES: Mathe Terminals Division. Mather All Division. Hotel Washington.	$\begin{array}{c} \mathbf{12, 555, 830} \\ \mathbf{4, 342, 190} \\ \mathbf{580, 120} \end{array}$	400, 057 93, 876 3, 320		(66, 571) (106, 699) (583, 440)	$(119, 425) \\ (504, 457) \\ (504, 457)$	$12, 769, 891 \\ 3, 824, 909$	4, 755, 805 1, 997, 942
Total other maritime facilities	17, 478, 140	497, 252		(756, 710)	(623, 882)	16, 594, 800	6, 753, 747

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Table 8.—Changes in Fixed Assets and Related Allowances for Depreciation and Economic Valuation,	
F	

Net book	5	3, 264 22, 813, 167	1, 181 2, 095, 150 2, 112 2, 155, 217 2, 911 21, 113, 044	9, 204 25, 363, 411	(111 48, 524 (111 48, 524 (158 10), 586 (159 1, 031, 349 (159 1, 732, 272 (159 1, 743, 365	5, 122 2, 997, 096	683, 298 1, 126, 988 646, 104 414, 971 21, 251 31, 844	), 653 1, 573, 803	1, 243 52, 747, 477	5, 557 400, 842, 604	5, 200 1, 702, 206
tion	Retirements June 80, 1958 (\$8, 573) \$10, 357, 791 (73, 025) 1, 407, 697 (34) 6, 396, 318 (228, 567) 9, 724, 259 (5, 228) (5, 228) (5, 228) (5, 228) (181, 306) 4, 757, 329	(497, 023) 34, 738,	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	(687, 458) 15, 939,	$ \begin{array}{c} (3, \ 396) \\ (4, \ 155) \\ 9, \ 077 \\ (101, \ 708) \\ (146, \ 357) \end{array} , \begin{array}{c} 371, \\ 233, \\ 249, \\ 1, \ 850, \\ 1, \ 489, \end{array} $	(246, 539) 4, 195, 122	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	(232, 986) 2, 350,	(1, 664, 006) 57, 223, 243	(2, 944, 348) 177, 785, 557	(325, 864) 1, 665, 200
ana comonic value	Transfers Retir \$1,620 (6,042) (6,042) (1)	(43, 666) (4	$(286, 075) \\ (255) \\ (1, 004, 016) $ (3)	(1, 289, 836) ((	48 90, 632 (1 (252, 356)	(161, 676) (3	32, 968 (2, 085) (7, 085) (1, 033)	24, 850 (5	(1, 470, 328) (1, 6	(2, 201, 079) (2, 9	2, 244, 714 (3
Allowances for depreciation and economic valuation	Adjustments	(1, 261)	$10,596 \\ (41) \\ 13,631$	24, 186	75	499	465	465	23, 889	64, 728	(1, 011, 805)
Allowances	Current de- preciation \$79, 388 235, 022 167, 836 582, 190 63, 547 245, 226	1, 373, 209	$\begin{array}{c} 147,375\\ 93,551\\ 721,370\end{array}$	962, 296	$\begin{array}{c} 11, 263\\ 13, 142\\ 26, 514\\ 118, 742\\ 103, 869\end{array}$	273, 530	65, 564 50, 991 5, 363	121, 918	2, 730, 953	5, 258, 816	3, 520
	Balances           June 30, 1957         \$10, 286, 976           \$1, 244, 080         \$1, 224, 616           \$1, 224, 610         \$1, 224, 616           \$228, 615         \$6, 228, 615           \$9, 410, 898         \$2, 042, 594           \$4, 693, 942         \$42	33, 907, 005	4, 030, 644 1, 133, 086 11, 766, 286	16, 930, 016	$\begin{array}{c} 363,226\\ 363,224,887\\ 224,887\\ 11,742,933\\ 1,742,933\\ 1,784,370\end{array}$	4, 329, 308	1,815,746603,73916,921	2, 436, 406	57, 602, 735	177, 607, 440	754, 635
	SUPPORTING AND GENERAL FACILITIES: Transportation and utilities: Panama Railroad Motor Transportation Division Steamship line Power system Communication system	Total transportation and utilities.	Employee services and facilities: Commissary Division. Service enters. Housing Division.	Total employee services and facilities	Other supporting services: Trivoii Guest House. Printing plant. Grounds maintenance. Engineering maintenance.	Total other supporting services	General facilities: Miscellaneous Company buildings. Miscellaneous office equipment—lsthmus.	Total general facilities	Total supporting and general facilities	Total fixed assets in service.	FACILITIES HELD FOR FUTURE USE

CONSTRUCTION AND RETIREMENTS IN PROGRESS: Construction work			******				12, 678, 164
Retirements	3, 269, 547		2		68, 458	3, 338, 005	
Total construction and retirements in progress	3, 269, 547				68, 453	3, 338, 005	12, 678, 164
RESERVE FOR EARLY RETIREMENT OF 25-OYCLE POWERPLANT	2, 828, 317				(54, 793)	2, 773, 524	(2, 773, 524)
Total fixed assets in service, construction and retirements in progress, facilities held for future use and reserve	184, 459, 939	5, 262, 336	(947, 077)	43, 635	(3, 256, 547)	185, 562, 286	412, 449, 450
DEFENSE FACILITIES AND SUSPENDED CONSTRUCTION PROJECTS: Defense facilities: Canal defense property Navy reserve ship repair facilities	37, 624, 715 9, 019, 491			(43, 635)	(41, 485)	37, 583, 230 8, 975, 856	
Total defense facilities	46, 644, 206			(43, 635)	(41, 485)	46, 559, 086	
Suspended construction projects: 3d set of locks	38, 197, 203 4, 622, 738					38, 197, 203 4, 622, 738	
Total suspended construction projects	42, 819, 941		********			42, 819, 941	
Total defense facilities and suspended construction projects	89, 464, 147			(43, 635)	(41, 485)	89, 379, 027	
T'otals.	273, 924, 086	2 5, 262, 336	(947,077)		(3, 298, 032)	274, 941, 313	412, 449, 450
<sup>1</sup> Current expenditures. Removal cost, plant retirements. Total. Net.	\$7, 476, 130 2 \$6, 580 7, 564, 710 7, 254, 302 01 1 01	<ul> <li><sup>4</sup> Distribution of depreciation Canal operations (table Supporting services oper Administrative and gen Total operations</li> <li>The accompanying "Notes P of this statement.</li> </ul>	ribution of depreciation: call operations (table 4) Supporting services opera Administrative and gener Total operations ccompanying "Notes Per- tiatement.	<sup>a</sup> Distribution of depreciation: <sup>b</sup> Distribution of depreciation: <sup>c</sup> Supporting services operations (table 6)	5) (table 6) inancial State	ments" are an	<ul> <li>\$2,030,610</li> <li>\$109,524</li> <li>\$122,202</li> <li>5,262,336</li> <li>integral part</li> </ul>

Assets		
CURRENT ASSETS:	June 30, 1958	June 30, 1957
Fund balances with U.S. Treasury and cash	\$31, 354, 539	\$29, 563, 328
Notes receivable	1, 069, 500	1,069,500
Accounts receivable	3, 311, 545	3,951,913
Inventories	7, 904, 791	7,928,134
Other	201, 339	193, 325
Total current assets	43, 841, 714	42, 706, 200
LONG-TERM NOTES RECEIVABLE	2, 139, 000	3, 208, 500
FIXED ASSETS	598, 198, 791	595, 959, 366
Less allowances for depreciation	185, 562, 286	184, 459, 939
Fixed assets, net	412, 636, 505	411, 499, 427
Deferred Charges and Other Assets	4, 044, 907	4, 148, 849
	462, 662, 126	461, 562, 976
Liabilities and equity		
CURRENT LIABILITIES:		
Due U.S. Treasury	2, 391, 137	3, 675, 069
Other accounts pavable	3, 705, 091	3, 559, 064
Accrued liabilities	9, 297, 106	8, 061, 388
Other	660, 179	612, 828
Total current liabilities	16, 053, 513	15, 908, 349
Reserves:		
Periodic overhaul of canal locks	1, 448, 531	3, 204, 278
Noncapital power conversion costs	4, 000, 000	
		·
Total reserves	5, 448, 531	3, 204, 278
EQUITY OF U.S. GOVERNMENT:		
Net direct investment	351, 861, 652	356, 885, 966
Retained revenue	88, 548, 430	85, 564, 383
Panama Canal bridge	750, 000	
Total equity	441, 160, 082	442, 450, 349
	462, 662, 126	461, 562, 976
	,,	

## Table 9.—Comparative Statement of Financial Condition, June 30, 1958, and June 30, 1957

### Table 10.—Comparative Statement of Revenue and Expenses, Fiscal Years Ended June 30, 1958 and 1957

	Fiscal year er	nded June 30
REVENUE:	1958	1957
Tolls from commercial vessels	\$41, 843, 525	\$38, 513, 404
Tolls credits from U.S. Government vessels	990, 481	1, 140, 116
Other services to shipping	10, 054, 108	11, 120, 978
Sales of goods and services	30, 222, 495	35, 830, 557
	83, 110, 609	86, 605, 055
OPERATING EXPENSES AND DEDUCTIONS:		
Payroll and related costs	38, 399, 717	37, 511, 021
Material and other	3, 498, 469	3, 233, 909
Cost of goods sold	13, 347, 951	17, 262, 958
Depreciation	5, 262, 336	5, 342, 265
Reimbursement of annuity payments to Re-	-, - ,	-, ,
public of Panama	430,000	430,000
Net cost of Canal Zone Government	10, 737, 194	10, 135, 514
Interest paid to U.S. Treasury	8, 778, 560	8, 867, 932
	80, 454, 227	82, 783, 599
NET REVENUE	2, 656, 382	3, 821, 456

# Table 11.—Statement of Changes in Equity of the U.S. Government, Fiscal Year Ended June 30, 1958

EQUITY AT JULY 1, 1957	Net direct investment \$356, 885, 966	Retained revenue \$85, 564, 383	Canal bridge
Add: Net revenue for the year Excess of market over book value of properties trans- ferred to Republic of Pan- ama under 1955 treaty:		2, 656, 382	
Panama Canal Company properties		3, 955, 125	
Canal Zone Government properties Appropriation for preliminary		372, 540	
plans of Panama Canal bridge			\$750, 000
	356, 885, 966	92, 548, 430	750, 000
Deduct: Market value of company			
properties transferred to Republic of Panama under 1955 treaty Provision for noncapital power	4, 820, 000		
conversion costs Property transfers, other U.S.		4, 000, 000	
Government agencies, net	204, 314		
	5, 024, 314	4, 000, 000	
EQUITY AT JUNE 30, 1958	351, 861, 652	88, 548, 430	750, 000

# Table 12.—Ocean Traffic Through Panama Canal, Fiscal Years 1948Through 1958

		Total traffi	c		ssessed tolls mnage basis	on displ	sessed tolls lacement je basis
	Number of transits	Talls	Tons of carga	Number of transits	Panama Canal net tonnage	Number of tronsits	Displace ment tonnage
		Commercia	l oceon traffic	:			
1948	4, 678 4, 793 5, 448 5, 593 6, 524 7, 410 7, 784 7, 997 8, 209 8, 579 9, 187	\$19, 956, 593 20, 541, 230 24, 430, 206 23, 906, 082 26, 922, 532 31, 917, 515 33, 247, 864 33, 849, 477 36, 153, 842 38, 444, 128 41, 795, 905	$\begin{array}{c} 24,117,788\\ 25,305,158\\ 28,872,293\\ 30,073,022\\ 33,610,509\\ 36,095,349\\ 39,095,067\\ 40,646,301\\ 45,119,042\\ 49,702,200\\ 45,124,809 \end{array}$	4, 664 4, 771 5, 439 5, 572 6, 500 7, 392 7, 758 7, 953 8, 157 8, 540 9, 169	$\begin{array}{c} 22,902,064\\ 23,473,236\\ 28,013,236\\ 27,180,425\\ 30,674,302\\ 36,678,636\\ 38,027,812\\ 38,567,769\\ 41,202,961\\ 43,628,210\\ 47,924,345 \end{array}$	14 22 9 21 24 18 26 44 52 39	$\begin{array}{c} 58,398\\ 110,584\\ 12,807\\ 54,639\\ 107,732\\ 77,628\\ 130,810\\ 136,9\xi7\\ 126,233\\ 155,055\\ 78,691 \end{array}$
1000	5,107		40, 124, 805 t ocean traffic	9, 162	47, 924, 940	25	10,091
1948	$508 \\ 658 \\ 443 \\ 603 \\ 774 \\ 1,064 \\ 800 \\ 296 \\ 266 \\ 269 \\ 279 \\$	$\begin{array}{c} 1,755,134\\ 2,405,519\\ 1,918,785\\ 2,764,747\\ 3,383,900\\ 5,526,038\\ 3,862,015\\ 1,190,367\\ 1,215,883\\ 1,117,467\\ 972,110 \end{array}$	$\begin{array}{c}1,520,569\\2,217,495\\1,429,283\\1,165,986\\3,237,311\\5,049,922\\2,708,380\\8,383,305\\1,150,121\\922,173\\791,310\end{array}$	$\begin{array}{c} 305 \\ 440 \\ 355 \\ 559 \\ 659 \\ 986 \\ 699 \\ 227 \\ 219 \\ 199 \\ 224 \end{array}$	$\begin{array}{c} 1, 551, 293\\ 2, 397, 903\\ 2, 095, 270\\ 3, 056, 354\\ 3, 665, 302\\ 6, 146, 333\\ 4, 254, 839\\ 1, 184, 135\\ 1, 286, 841\\ 1, 086, 564\\ 1, 020, 267 \end{array}$	203 218 88 134 115 78 101 69 47 70 55	857, 077 688, 311 281, 542 633, 799 521, 625 562, 186 570, 506 341, 199 226, 813 392, 671 219, 938
		Total oc	ean traffic				
1948       1949       1950       1951       1952       1953       1954       1955       1955       1958	$\begin{array}{c} 5, 186\\ 5, 451\\ 5, 891\\ 6, 286\\ 7, 298\\ 8, 474\\ 8, 584\\ 8, 293\\ 8, 475\\ 8, 848\\ 9, 466\\ \end{array}$	$\begin{array}{c} 21,711,727\\ 22,946,749\\ 26,348,991\\ 26,670,829\\ 30,376,432\\ 37,443,553\\ 37,109,879\\ 35,039,844\\ 37,369,725\\ 39,561,595\\ 42,768,015\\ \end{array}$	$\begin{array}{c} 25, 638, 357\\ 27, 522, 653\\ 30, 301, 576\\ 31, 239, 008\\ 36, 847, 820\\ 41, 145, 271\\ 41, 803, 447\\ 41, 484, 606\\ 46, 269, 163\\ 50, 624, 373\\ 48, 916, 119 \end{array}$	4,969 5,211 5,794 6,131 7,159 8,378 8,457 8,180 8,376 8,739 9,386	$\begin{array}{c} 24,453,357\\ 25,871,139\\ 30,108,506\\ 30,236,779\\ 34,339,604\\ 42,824,969\\ 42,282,651\\ 39,751,904\\ 42,480,802\\ 44,714,774\\ 48,944,612 \end{array}$	217 240 97 155 139 96 127 113 99 109 80	$\begin{array}{c} 915,475\\798,895\\294,349\\688,438\\629,357\\639,824\\701,316\\478,186\\353,046\\547,726\\298,629\end{array}$

NOTE.—Tolls were not assessed against U.S. Government traffic prior to fiscal year 1952. Tolls indicated for such traffic for fiscal years 1948 through 1951 are statistical figures which show tolls value for this traffic at the prescribed rates.

# Table 13.—Traffic by Months, Fiscal Years 1957 and 1958

		ber of sits	Panoma tonr	Canal net 1age	Tons of	f cargo	To	olls
	1957-58	1956-57	1957-58	1956-57	1957-58	1956-57	1957-58	1956-57
July August September October November January February March April May	788 812 771 813 779 774 744 700 810 734 752	669 653 646 699 654 751 701 673 808 767 783	$\begin{array}{c} 4,223,721\\ 4,129,989\\ 4,042,303\\ 4,236,814\\ 4,056,520\\ 4,038,677\\ 3,872,180\\ 3,541,049\\ 4,150,335\\ 3,837,402\\ 4,022,827\\ \end{array}$	$\begin{array}{c} 3,478,317\\ 3,274,098\\ 3,259,743\\ 3,510,842\\ 3,258,887\\ 3,879,894\\ 3,567,745\\ 3,412,139\\ 4,085,860\\ 3,899,870\\ 4,038,927\\ \end{array}$	$\begin{array}{c} 4, 441, 267\\ 4, 334, 306\\ 3, 934, 700\\ 4, 304, 833\\ 3, 994, 320\\ 4, 057, 864\\ 3, 735, 448\\ 3, 420, 104\\ 4, 055, 216\\ 3, 863, 386\\ 4, 072, 316\\ 4, 072, 316\end{array}$	$\begin{array}{c} 3,871,143\\ 3,576,284\\ 3,558,799\\ 3,877,761\\ 3,743,298\\ 4,607,944\\ 4,252,657\\ 3,896,981\\ 4,812,784\\ 4,397,018\\ 4,585,965\\ $	\$3,668,461 3,598,726 3,503,564 3,679,870 3,522,149 3,520,572 3,376,306 3,103,608 3,627,699 3,363,321 3,526,528	\$3,053,909 2,888,019 2,861,467 3,083,296 2,876,098 3,419,669 3,161,163 3,032,647 3,602,541 3,429,625 3,551,340
June	710	775	3, 772, 528	3,961,888	3,911,049	4, 521, 566	3, 305, 101	3, 484, 354
Total Average per	9, 187	8, 579	47, 924, 345	43, 628, 210	48, 124, 809	49, 702, 200	41, 795, 905	38, 444, 128
month	766	715	3, 993, 695	3, 635, 684	4, 010, 401	4, 141, 850	3, 482, 992	3, 203, 677

Note,—The above includes only commercial vessels of 300 tons and over, Panama Canal measurement, or of 500 displacement tons and over on vessels paying tolls on displacement tonnage basis,

### Table 14.—Canal Traffic 1 by Nationality of Vessels

		$M_{0}$	easured tonn	nge		
			Regis	tered		
Nationality	Number of transits	Panama Canal net	Gross	Net	Totls	Tons of cargo
Argentine	1	5, 341	7,625	4, 583	\$4, 807	9,055
Belgian	4	13,958	17,729	13, 209	11, 306	13, 222
Brazilian	2	1,060	3, 376		763	
British	1,203	7, 454, 501	9, 841, 461	5, 717, 737	6, 591, 490	7, 370, 112
Chilean Chinese	89 54	490, 976 245, 415	718,223 340,085	414, 956 208, 918	440, 914 218, 469	507,441 406,575
Colombian	231	679, 716	823,853	452, 363	608, 817	330, 448
Costa Rican	8	27, 893	39,129	23, 863	25,104	51, 343
Cuban	$\tilde{2}$	(2)	(2)	(2)	1,890	
Danish	356	1,615,527	1,858,702	1,036,286	1, 413, 402	1, 112, 939
Dominican Republic	1	838	2,323	1, 187	603	40 511
Ecuadoran Finnish	38 30	113,285 125,314	144,399 134,703	80, 022 72, 195	100,897 111.801	46,511 125,884
French	85	527, 589	654,901	373, 460	475, 106	443, 401
German	837	3, 370, 445	3, 810, 702	1,859,843	2, 915, 471	2, 537, 505
Greek	116	630,088	851, 786	494, 760	549, 570	1,051,394
Honduran	278	587, 920	932, 826	534,070	486, 483	298, 564
Irish	1	5,994	6, 218	3, 303	5,395	8, 558
Italian	191	1, 139, 772	1,470,810	874,988	1,004,213	1, 109, 176
Japanese Korean (South)	693 2	3, 929, 041 7, 988	5,410,417 11,545	3, 161, 690 7, 159	3,510,096 6,228	4,629,438 4,806
Liberian	898	5, 633, 036	7, 705, 285	4, 602, 586	4, 744, 043	7,802,371
Mexican	1	6,985	9, 313	5, 364	6,286	12, 149
Netherlands	$20\bar{6}$	1,047,290	1, 523, 579	873, 029	911, 911	899, 738
Nicaraguan	81	201, 178	215, 788	108, 222	180, 620	141, 211
Norwegian	956	4,845,380	6, 128, 804	3, 590, 818	4, 160, 761	4, 456, 990
Panamanian		2,011,759	2,695,175	1,616,712	1,674,720	2, 152, 332
Peruvian	$\frac{54}{23}$	154,083 130,580	214,400 149,283	127,728 88,744	140,387 117,522	226,350 122,770
Philippines Spanish	43	181, 016	247,735	164, 559	153, 319	180,709
Soviet (U.S.S.R.)		15, 198	18,697	10, 189	13, 678	21,850
Swedish	200	1,024,867	1,246,222	739, 039	906, 914	748, 142
Switzerland	3	18,675	17, 181	9,620	16, 808	28, 779
United States	2, 023	11, 672, 797	15, 313, 156	9,034,419	10, 278, 951	11, 267, 630
Venezuelan	<b>2</b>	8,840	17, 382	10, 986	7,160	7, 416
Total:						
Fiscal year 1958	9, 187	47, 924, 345	62, 582, 813	36, 316, 607	41, 795, 905	48, 124, 809
Fiscal year 1957		43, 628, 210	56, 915, 104	33, 205, 307	38, 444, 128	49, 702, 200
Fiscal year 1956	8,209	41, 202, 961	53, 662, 232	31, 712, 906	36, 153, 842	45, 119, 042

<sup>1</sup> Includes only commercial vessels of 300 net tons and over, Panama Canal measurement, or of 500 displacement tons and over on vessels paying tolls on displacement basis (dredges, warships, etc.). <sup>2</sup> Displacement tonnage.

Note.—In canal traffic statistics, foreign naval vessels such as transports, supply ships, tankers, etc., with a measurement of 300 net tons (Panama Canal measurement) and over, and vessels of war, dredges, etc., with a displacement of 500 tons and over are classified as oceangoing commercial vessels. Statistics on these vessels, except such as pertain to displacement tonnage, have been included in the traffic summaries shown in the preceding table. The following table presents by nationality statistics on the 25 vessels which transited the canal during the fiscal year 1958 and paid tolls on displacement tonnage. *Displace* 

Nationality British	<i>Type</i> Naval	Number of transits 7	ment tonnage 20, 247	<i>Tolls</i> \$10, 124
Chilean	do	2	23, 495	11, 748
Cuban French	Frigate Naval	2	3,780 2,421	1,890 1,210
Liberian	Dredge	1	1, 900	950
Netherlands	Naval	4	8,962	4,481
Peruvian Spanish		3 4	4,852 8,950	2,426 4,475
Swedish		ĩ	4, 084	2,042
Total		25	78, 691	39.346

	Total	495 3, 860, 110 \$3, 474, 099 6, 956, 425	395 3, 220, 025 \$2, 318, 418		$1,016,077 \\\$731,575$	2, 466, 122 \$2, 219, 510 1, 350, 137	3 18, 915 \$13, 618	$\begin{array}{c} 6, 527\\ 32, 785, 911\\ \$29, 507, 320\\ 35, 687, 927 \end{array}$	$\begin{array}{c} 1,\ 0.36\\ 3,\ 371,\ 613\\ \$2,\ 427,\ 561\end{array}$
Total traffic	Pacific to Atlantic	88 678, 564 \$610, 708 1, 043, 017	364 2, 968, 201 \$2, 137, 104	1, 143, 932 \$1, 029, 539 4, 126, 015	$\begin{array}{c} 1 \\ 4,456 \\ \$3,208 \end{array}$	1, 211, 051 \$1, 089, 946 849, 096	$     \begin{bmatrix}       1 \\       5,976 \\       $4,302       $	3, 562 17, 000, 358 \$15, 300, 322 19, 260, 151	208 913, 525 \$657, 738
	Atlantic to Pacific	407 3, 181, 546 \$2, 863, 391 5, 913, 408	31 251, 824 \$181, 314	3,915 3,524 53,524 10	$1,011,621 \\\$728,367$	1, 255, 071 \$1, 129, 564 \$01, 041	$\begin{array}{c} 2\\12,939\\\$9,316\end{array}$	$\begin{array}{c} 2,965\\ 15,785,553\\ \$14,206,998\\ 16,427,776\end{array}$	2, 458, 088 \$1, 769, 823
gistry	Total	2, 872, 729 2, 872, 729 \$2, 585, 456 5, 337, 623	356 2, 885, 740 \$2, 077, 733	$\begin{array}{c} 137\\ 968, 332\\ \$871, 499\\ 3, 162, 175\end{array}$	129 836, 577 \$602, 335		3 18, 915 \$13, 618	5, 051 24, 260, 751 \$21, 834, 676 27, 468, 574	855 2, 630, 170 \$1, 893, 722
Vessels of foreign registry	Pocific to Atlantic	39 240, 333 \$216, 300 384, 066	2, 722, 333 \$1, 960, 078	$\begin{array}{c} 136\\ 964,417\\ \$867,975\\ 3,162,165\end{array}$	$\begin{array}{c} 1 \\ 4, 456 \\ \$3, 208 \end{array}$	108 883, 243 \$794, 919 532, 510	5,976     \$     \$     4,302	$\begin{array}{c} 2,732\\ 12,393,839\\ \$11,154,455\\ 14,639,628\end{array}$	185 784, 957 \$565, 169
Vess.	Atlantic to Pacific	2, 632, 396 \$2, 369, 156 \$4, 953, 557	23 163, 409 \$117, 655	3, 915 3, 524 3, 524 10	128 832, 121 \$599, 127	110 878, 050 \$790, 245 356, 175	$\begin{array}{c} 2\\12,939\\\$9,316\end{array}$	$\begin{array}{c} 2,  319\\ 11,  866,  912\\ \$10,  680,  221\\ 12,  828,  946 \end{array}$	670 1, 845, 213 \$1, 328, 553
gistry	Total	$ \begin{array}{c} 116\\ 987, 381\\ \$888, 643\\ 1, 618, 802 \end{array} $	39 334, 285 \$240, 685	41 179, 515 \$161, 564 963, 850	$\begin{array}{c} 41 \\ 179, 500 \\ \$129, 240 \end{array}$	110 704, 829 \$634, 346 461, 452		$\begin{array}{c} 1.476\\ 8.525,160\\ \$7,672,644\\ 8,219,353\end{array}$	181 741, 443 \$533, 839
Vessels of U.S. registry	Pocific to Atlantic	49 438, 231 \$394, 408 658, 951	$\begin{array}{c} 31\\245,870\\\$177,026\end{array}$	$\begin{array}{c} 41\\179,515\\\$161,564\\963,850\end{array}$		52 327, 808 \$295, 027 316, 586		4, 606, 519 \$4, 145, 867 \$4, 620, 523	23 128, 568 \$92, 569
Ve38.	Atlantic to Pocific	67 549, 150 \$494, 235 959, 851	88, 415 \$63, 659		41 179, 500 \$129, 240	58 377, 021 \$339, 319 144, 866		646 3, 918, 641 \$3, 526, 777 3, 598, 830	158 612, 875 \$441, 270
	CARGO AND CARGO/PASSENGER SHIFS: Tank ships. Jaden:	Number of transits Parama Canal net tormage. Tolis montexins bolloset.	Number of transits. Panama Canal net tonnage Profils	Number of transits	Number of transits. Panama Canal net tomage.	Number of transits. Number of transits. Parama Canal net tomage. Toils. Desconter churs hollest.	Number of transits. Panama Canal net tonnage.	Number of transits. Number of transits. Panama Canal net tomage. Tolis. Cargo (long tons)	Number of transits. Panama Canal net tonnage. Tolls. See footnotes at end of table.

Table 15.--Classification of Canal Traffic<sup>1</sup> by Type of Vessel--Fiscal Year 1958

		Tatal	25 78, 691 \$39, 346 122	37, 725 \$31, 395 <b>4</b> , 173	$\begin{array}{c} 7,528\\ 40,259,990\\ \$36,233,992\\ 48,120,514\end{array}$	$\begin{matrix} 1,604\\7,626,630\\\$5,491,172\end{matrix}$	$\begin{array}{c} 55\\37,725\\78,691\\\$70,741\\4,295\end{array}$	$\begin{array}{c} 9, 187\\ 47, 924, 345\\ 78, 691\\ \$41, 795, 905\\ 48, 124, 809\end{array}$	ns and over
p	Total traffic	Pacific to Atlantic	38, 775 \$19, 388 \$19, 388	15 15, 965 \$12, 673 3, 119	$\begin{array}{c} 3,987\\ 20,033,905\\ \$18,030,515\\ 25,278,279\end{array}$	574 3, 892, 158 \$2, 802, 352	$\begin{array}{c} 27\\ 15,\ 965\\ 38,\ 776\\ 32,\ 061\\ 3,\ 229\end{array}$	$\begin{array}{c} 4,588\\ 23,942,028\\ 38,775\\ $20,864,928\\ 25,281,508\end{array}$	splacement to
-Continue		Atlantic to Pacific	13 39, 916 \$19, 958 12	$\begin{array}{c} 15\\21,760\\\$18,722\\1,054\end{array}$	$\begin{array}{c} 3, 541 \\ 20, 226, 085 \\ \$18, 203, 477 \\ 22, 842, 235 \end{array}$	$\begin{matrix} 1,030\\3,734,472\\\$2,688,820\end{matrix}$	28 21, 760 39, 916 \$38, 680 1, 066	$\begin{array}{c} 4, 599\\ 23, 982, 317\\ 39, 916\\ \$20, 930, 977\\ 22, 843, 301\end{array}$	s, or of 500 dis
ear 1958-	gistry	Total	25 78, 691 \$39, 346 122	11 17, 041 \$13, 405	$\begin{array}{c} 5,785\\ 29,863,105\\ \$26,876,795\\ 36,857,057\\ \end{array}$	$\begin{array}{c} 1,343\\ 6,371,402\\ \$4,587,408 \end{array}$	$\begin{array}{c} 36\\ 17,041\\ 78,691\\ \$52,751\\ 122 \end{array}$	$\begin{array}{c} 7, 164\\ 36, 251, 548\\ 78, 691\\ 531, 516, 954\\ 36, 857, 179\end{array}$	t tonnage basi
-Fiscal Y	Vessels of foreign registry	Pacific to Atlontic	38, 775 \$19, 388 \$19, 388	$^{6}_{8,946}$	3, 015 14, 481, 832 \$13, 033, 649 18, 718, 369	3, 517, 720 \$2, 532, 757	$\substack{ 18\\ 8,946\\ 38,775\\ \$25,829\\ 110 \\ 110 \\ \end{array}$	3, 553 18, 008, 498 38, 775 \$15, 592, 235 18, 718, 479	ing tolls on ne
of Vessel	Ve880	Atlantic to Pacific	13 39, 916 \$19, 958 12		$\begin{array}{c} 2,770\\ 15,381,273\\ \$13,843,146\\ 18,138,688\end{array}$	2, 853, 682 \$2, 054, 651	18 8,095 39,916 \$26,922 12	$\begin{array}{c} 3, 611\\ 18, 243, 050\\ 39, 916\\ \$15, 924, 719\\ 18, 138, 700 \end{array}$	or vessels pay
<sup>1</sup> by Type	cgistry	Tatal		19 20, 684 \$17, 990 4, 173	$\begin{array}{c} 1,743\\ 10,396,885\\ \$9,357,197\\ 11,263,457\end{array}$	$\begin{matrix} 261 \\ 1, 255, 228 \\ \$903, 764 \end{matrix}$	20, 684 	$\begin{array}{c} 2,023\\11,672,797\\\hline \$10,278,951\\11,267,630\end{array}$	easurement) f
Traffic	Vessels of U.S. registry	Pocific to Atlantic		7, 019 \$6, 232 3, 119	$\begin{array}{c} 5, 552, 072\\ 5, 552, 073\\ \$4, 996, 866\\ 6, 559, 910 \end{array}$	54 374, 438 \$269, 595	$\begin{array}{c} & & \\ & 7,019 \\ & & \\ & & \\ & & \\ & & \\ & & 3,119 \end{array}$	$\begin{array}{c} 1,035\\ 5,933,530\\ \$5,272,693\\ 6,563,029\end{array}$	na Canal me
of Cana	Ve83.	Atlantic to Pocific		10 13, 665 \$11, 758 1, 054	771 4,844,812 \$4,360,331 4,703,547	207 880, 790 \$634, 169	13,665	5, 739, 267 \$5, 006, 258 \$1,704, 601	over (Panar
Table 15.—Classification of Canal Traffic <sup>1</sup> by Type of Vessel—Fiscal Year 1958—Continued		OTHER TYPE SHIPS: Mayol moscole:	Number of transits. Number of transits. Displacement tomage. Talls Cargo (tong tons).	Cable ships, yachris, etc.: Number of transits Panama Canal net tonnage Tolls	The second cargo/passenger ships, laden: Total cargo and cargo/passenger ships, laden: Number of transits. Panama Canal net tonnage. Cargo (long tons).	Total cargo and cargo/passenger snips, pallast: Number of transits. Panama Canal net tonnage.	Total other types statps: Number of transits	Grand total sups: Number of transits. Panama Canal net tonnage. Displacement tonnage. Tolis. Cargo (long tons).	<sup>1</sup> Includes only commercial vessels of 300 net tons and over (Panama Canal measurement) for vessels paying tolls on net tonnage basis, or of 500 displacement tons and over

for vessels paying on displacement tonnage. <sup>2</sup> Vessels certificated for more than 12 passengers. <sup>3</sup> Vessels certificated for 12 passengers or less, or without passenger accommodations.

FINANCIAL REPORT AND STATISTICAL DATA

# Table 16.—Laden and Ballast Traffic by Nationality of Vessels, Fiscal Year 1958

		Laden			Ballast	
Nationality	Number of transits	Panama Canal net tonnage	Tolls	Number of transits	Panama Canal net tonnage	Tolls
Argentine Belgian	$\frac{1}{2}$	5, 341 6, 979	\$4, 807 6, 281	2	6, 979	\$5, 025
Brazilian British	1,052	6, 745, 143	6,070,629	2 144	1,060 709,358	763 510, 738
Chilean Chinese	78 53	420, 352 232, 058	378, 317 208, 852	9 1	70, 624 13, 357	50, 849 9, 617
Colombian Costa Rican	222 8	663, 450 27, 893	597, 105 25, 104	9	16, 266	11, 712
Danish Dominican Republic	297	1, 390, 127	1, 251, 114	59 1	225, 400 838	162, 288 603
Ecuadoran Finnish	36 29	107, 399 119, 859	96, 659 107, 873	$\frac{2}{1}$	5, 886 5, 455	4, 238 3, 928
French German	83 656	522, 394 2, 715, 282	470, 155 2, 443, 754	1 181	5, 195 655, 163	3, 740 471, 717
Greek	97 156	532, 814 351, 004	479, 533 315, 904	19 122	97, 274 236, 916	70, 037 170, 580
Irish Italian	1 169	5, 994 1, 019, 875	5, 395 917, 887	22	119, 897	86, 326
Japanese Korean (South)	659 1	3, 784, 369 2, 648	3, 405, 932 2, 383	34 1	144, 672 5, 340	104, 164 3, 845
Liberian Mexican	637 1	3, 818, 373 6, 985	3, 436, 536 6, 286	260	1, 814, 663	1, 306, 557
Netherlands Nicaraguan	160 80	852, 119 198, 733	766, 907 178, 860	$\frac{42}{1}$	$195, 171 \\ 2, 445$	140, 523 1, 760
Norwegian Panamanian	726 306	3, 733, 819 1, 256, 964	3, 360, 437 1, 131, 268	230 166	1, 111, 561 754, 795	800, 324 543, 452
Peruvian Philippines	48 23	150, 117 130, 580	135, 105 117, 522	3	3.966	2, 856
Spanish Soviet (U.S.S.R.)	22 3	102, 848 15, 198	92, 563 13, 678	17	78, 168	56, 281
SwedishSwitzerland	177	927, 600 18, 675	834, 840 16, 807	22	97, 267	70, 032
United States Venezuela	1, 759 1	10, 414, 095 4, 420	9, 372, 685 3, 978	264 1	1, 258, 702 4, 420	906, 266 3, 182
Total:						
Fiscal year 1958 Fiscal year 1957	7, 546 7, 332	40, 283, 507 38, 634, 942	36, 255, 156 34, 771, 448	1, 616 1, 208	7, 640, 838 4, 993, 268	5, 501, 403 3, 595, 153
Fiscal year 1956	6, 904	35, 692, 184	32, 122, 966	1, 253	5, 510, 777	3, 967, 759

NOTE.--Above table involves only commercial vessels of 300 net tons or over, Panama Canal measurement.

### FINANCIAL REPORT AND STATISTICAL DATA

### Table 17.—Frequency of Transits 1 of

[Number of vessels making

Nationality	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Argentine	1	~	Ŭ	*	0	~		0	v	10		1~	10	14	10	10		10	10	20	~1
Belgium	-	2											-		-				-		-
Brazilian	$\overline{2}$	4	~ ~ ~										-		-				-		
	198	$1\bar{2}\bar{0}$	$\bar{72}$	$\bar{41}$	19	13	-8		ī	1	ī		-		-				~		-
Chilean	198	120		1	19	13	3	T	1	1	1	$\overline{2}$	-		~	T			~	1	-
	6	$\frac{2}{3}$		1	2	3	0		1		1	4	~		-				-		-
Chinese				1	2				- 7	1			-		ā				-		-
Colombian	5	2	1			1		1	1	T		1	-		3	1	1	1	2	2	-
Costa Rican	4	2											-		-		-				-
Cuban		1								•			-						-		-
Danish	18	20	9	6	8	3	$^{2}$		2	3		4	-		-			1	-	2	1
Dominican	1												-		-				-		-
Republic.		_																			
Ecuadoran	1	2		1							1		-		-			1	-		_
Finnish	3	$^{2}$	1	2		2							-		-				-		-
French	4	8	6	1	2	2	3	***					-		-				_		_
German	21	51	12	17	5	10	10	9		1			-	1	_	<b>2</b>	2	Б	1		_
Greek	<b>28</b>	16	7	1	1	1							-		-				-	1	-
Honduran	5	3	2	3		3	<b>2</b>	2		3		1	1	1	_	2		1	1		
Irish	1												_		_				_		-
Italian	27	14	7	3	2	-4	1	2	4	1				_	-				-		-
Japanese	57	47	30	33	18	31	4	2													-
Korean (South)	2																				
Liberian	$11\bar{9}$	80	26	21	4	7	3	-3	5	2	1	1			ī	2		6	ī		
Mexican	ĩ									-	-	-	-		-	-		Ŭ	<u> </u>		-
Netherlands	29	16	5	11	1	- 3	3	1		1		$\overline{2}$	-		-		****	••••	-		-
Nicaraguan			v		-	Ŭ	Ŭ	-	1	î		~	-	1	-	-3			-		-
Norwegian	67	67	29	18	14	13	-9	īī	$\hat{2}$	$\hat{2}$	1	ĩ	-	ŝ	ī	v	ī	-6	-		-
Panamanian	38	30	10	6	î	5	v	1	ĩ	ĩ	-	-	-	2		1		0	-		-
Peruvian	3	3	1	2	2	1		-	5				-	4	-	-			-		-
Philippine	U	U	-	3	ĩ	i			4				-		-				-		-
Spanish	6	7		3	1	1							-		-				-		-
Sovlet (U.S.S.R.)	3			0	Ť	1							-		-				~		-
Swedish	14	14		- 9	- 3	7		***					-		-	-7			-		-
Switzerland	3	14		8	0	'							-		-	1			-		-
United States	71	63	47	-30	27	27	$\overline{12}$	18		15	$\overline{10}$	$\overline{2}$	ā	-8	$\overline{2}$	$\overline{3}$	6	-3	-	$\overline{2}$	-
	11		41	30	21	21	12	19	Б	19	10	4	3	ð	2	3	0	3	-	2	-
Venezuelan		2											-		-				-		-
Total 1958	742	577	265	213	111	140	67	51	25	33	15	14	4	16	17	16	10	24	A	D	1
	873	577 599	205	213	136	140	47	39	25 26	33 40	13	14	4	10	Å	10	10	24	42	8	1
Totai 1957															4				4		4
Total 1956	657	526	263	186	124	124	41	39	<b>25</b>	28	19	19	4	18	4	4	7	13	4	4	0

<sup>1</sup> Includes only commercial vessels of 300 net tons and over, Panama Canal measurement, or of 500 displacement tons and over on vessels paying tolls on displacement basis (dredges, warships, etc.).

# Vessels Through Panama Canal

indicated number of transits]

									-																		Total	Total	<b>Transits</b>
22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	38	39	40	41	42	43	45	48	49	50	52	5%	ships	transits	per ship
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ed Average gross ton- nage per vessel	e 1958 1957	7.625	4	1, 688	8, 228	8, 255	6, 298	3, 566	129 4, 891 5, 344	5, 221	2, 323	3, 800	4,490	7, 796	4, 553	7, 343	3, 355	6, 218	7, 701		5, 773	8, 590	9, 313	7, 542	2,664	6, 411	5, 498		0, 491 6, 030	0, 202 6 389	0, 002 6, 962	181 5.727 5.901		7, 570	8, 691	7, 307	13 6 231 6 665		
Registered aross	tonnage	7.6	17, 729		a, b		in c	οc	39,	1, 858,	'n	144,	134,	654,	3, 810,	851,	932,	6,	1, 470,	5, 410,	11,	7, 705,	6	1, 523,	215,	6, 128,	2, 695,	214,	149,	10, 10,	1 246	17.		15, 313, 156	17, 3		69 589 813		
	Total 2	1	-91	24	1, 196	87	10 10 10	231	00	356	1	38	30	84	837	116	278	1	101	693	5	897	1	202	81	926	472	51	07	9 0°	199			2,023	5		0 169	100,0	
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6,000 to	7,999	1	7		338	99	32		C G	63		1	1	35	57	94	23	1	93	380	-	362		59		164	119	e ;	10	- 06	119	1		1,005			3 002	32.8	O onono
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	Nationality	Argentine	Belgian	Brazilian	British	Chilean	Connese	Colombian	Costa Rican	Danish	Dominican Republic	Ecuadoran	Finnish	French	German	Greek	Honduran	Irish	Itallan	Japanese	Korean (South)	Liberian	Mexican	Netherlands	Nicaraguan	Norwegian	Panamanian.	Peruvian	Contot /TI C C D )	Snanich	Swedish	Switzerland	Turkish	United States	Venezuelan	Y ugoslav	Total (1958)	Percent of total	I Induides only commercial vessels of 300 not tons and over Danama Canal massirement

Table 18.—Segregation of Transits<sup>1</sup> by Registered Gross Tonnage—Fiscal Year 1958

# Table 19.—Principal Commodities Shipped Through Canal

[Thousands of long tons]

Commodity (Thousands of	of long tons]	Fisca	l near	
	1958	1957	1956	1955
ATLANTIC TO PACIFIC	1000	1007	1000	1000
Petroleum and products <sup>1</sup>		5, 242	5, 310	4, 306
Coal and coke		3,805	2, 996	3,274
Iron and steel manufactures		2,835	2, 131	1, 792
Phosphates		1, 523	1, 257	1, 043
Soybeans		698	$\frac{746}{2}$	568
Sugar		896	787	520
Ores, various		612	317	187
Metal, scrap	532	1, 497	498	23
Chemicals, unclassified	482	316	271	233
Cotton, raw		402	212	226
Paper and paper products		463	433	377
Metals, various		751	122	113
Corn		81	175	170
Sulfur		370	469	463
Machinery	334	342	301	285
Wheat	307	267	218	216
Automobiles and parts	283	304	260	268
Ammonium compounds	247	322	464	295
Flour, wheat	185	188	$90 \\ 197$	68
Fertilizers, unclassified		$176 \\ 102$	187	191
Canned food products		193	170	190
Tinplate		295	244	213
Asphalt		122	119	105
Cement		$\begin{array}{c} 226 \\ 94 \end{array}$	289	300
Liquors and wines		248	90	90
Potash Glass and glassware			112	40
Electrical apparatus		$\frac{81}{77}$	$\frac{94}{83}$	67
		273		75 28
Rice Groceries, miscellaneous		275 58	$164 \\ 53$	
Textiles		80		59 90
Agricultural implements	71	69	73	90 84
Asbestos		$72^{03}$	59	59
Coffee		71	80	34
Soda and sodium compounds		120	70	60
Salt		$\overline{52}$	50	104
Slag		$5\overline{2}$	68	66
Woodpulp		69	70	64
Rubber, manufactures		51	44	26
Resin		$\tilde{56}$	$\hat{46}$	$\tilde{42}$
Vegetable oils		53	37	35
Tobacco and manufactures		49	57	49
Railroad materials		127	100	61
Creosote		39	34	35
Pharmaceutical products	33	30	33	34
Grains, other and unclassified	32	47	53	115
Lumber		<b>2</b> 9	<b>24</b>	36
Wax, paraffin		29	44	34
Carbon black		35	26	27
Paints and varnishes	27	27	29	29
Clay	26	37	38	27
Floor coverings	25	22	29	30
Food in refrigeration <sup>2</sup>		14	19	14
Bricks and tile	- 22	34	32	30
Confectionery	20	16	19	20
Soap and soap products	20	14	16	12
Tallow	16	21	34	28
All others	1, 220	1,358	1, 362	1, 389
Tetel Addition to the Design	00.040	05 100	01 000	10 110
Total, Atlantic to Pacific	22, 843	25, 430	21, 286	18, 419
<sup>1</sup> Excludes asphalt.				

<sup>1</sup> Excludes asphalt. <sup>2</sup> Excludes fresh fruit.

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# Table 19 .-- Principal Commodities Shipped Through Canal-Continued

[Thousands of long tons]

Commodity	ng tonsj	Fisc	al year	
	1900	1957	1956	1955
PACIFIC TO ATLANTIC				
0				
Ores, various	7,560	6, 401	5, 137	4, 087
Lumber	3, 323	2,900	3, 549	3,747
Wheat	1,986	2, 688	1,478	1,387
Canned food products	1,286	1, 311	1,301	1, 221
Bananas	1,082	870	936	939
Nitrate of sode	1,068	1,446	1,425	1, 281
Nitrate of soda	1,046	867	1, 167	1,271
Metals, various	902 746	935	742	789
Petroleum and products <sup>1</sup> Barley	740	$\begin{array}{c} 752 \\ 444 \end{array}$	1,875	1,981
Food in refrigeration <sup>2</sup>	630	800	$1,083 \\ 618$	387
Coffee	308	289	315	551
Woodpulp	281	$\frac{289}{237}$	142	280
Cotton, raw	$\frac{261}{260}$	$\frac{237}{262}$	290	349
Fruit, fresh (excluding bananas)	233	$\frac{202}{213}$	$\frac{250}{216}$	$\begin{array}{c} 236 \\ 160 \end{array}$
Oilseeds (including oilseed cake and meal)	235	173	$\frac{210}{156}$	193
Wool	$\frac{223}{224}$	315	234	218
Copra	$\frac{224}{211}$	302	$\frac{254}{258}$	$\frac{213}{245}$
Chemicals, unclassified	164	132	110	105
Fruit, dried	163	163	171	156
Iron and steel manufactures	153	172	288	222
Borax	148	159	157	$\frac{222}{150}$
Paper and paper products	130	96	91	89
Rice	126	119	102	93
Oils, vegetable	119	134	106	202
Rubber, crude	108	118	104	122
Metal, scrap	107	81	40	103
Whale oil	94	74	48	43
Fertilizers, unclassified	93	56	45	22
Beans, edible	$\overline{91}$	88	88	102
Grains, other and unclassified	82	16	39	37
Phosphates	81	111	108	152
Seeds, except oilseeds	73	<b>59</b>	35	56
Textiles	70	85	81	50
Porcelainware	69	69	55	46
Coal	69	1		1
Wines	68	40	62	65
Molasses	59	57	27	67
Flour, wheat	57	81	102	66
Oats	53	11	<b>28</b>	64
Skins and hides	52	57	48	47
Machinery	45	48	41	54
Tallow	44	57	49	33
Peas, dry	42	59	24	44
Groceries, miscellaneous	36	29	22	36
Vegetables, dry	33	27	28	<b>24</b>
Cocoa and cacao beans	28	27	22	30
Rubber manufactures	26	5	7	2
Hemp, unmanufactured	20	26	20	17
All others	697	810	763	605
Total Desife to Atlantia	07 000	04.070	00.000	00.007
Total, Pacific to Atlantic	25, 282	24, 272	23, 833	22, 227
Excludes asphalt.				

<sup>1</sup> Excludes asphalt. <sup>2</sup> Excludes fresh fruit. Table 20.---Origin and Destination of Cargo through the Panama Canal from Atlantic to Pacific during Fiscal Year 1958 Segregated by Countries in Principal Trade Areas •

	No. 100	$\begin{array}{c} 1, 371, 633\\ 6, 786\\ 6, 786\\ 478\\ 1, 807\\ 530, 083\\ 1, 910, 787\\ \end{array}$		762, 130 6 6 737, 927 407, 926 407, 926	
America	South America (other) <sup>2</sup> 3, 450 -10, 276	14, 249 13 380 14, 642	$\begin{array}{c} 4, 521\\ 4, 620\\ 1, 060\\ 1, 066\\ 179\\ 30\\ 30\\ 4, 496\\ 6, 477\\ 6, 477\end{array}$	20,065	34, 741
South Am	Peru 202,003 3,768 302,676 1,042	509, 489 1, 388 49 18, 035 528, 961	$\begin{array}{c} 52, 768\\ 52, 579\\ 4, 182\\ 6, 424\\ 35, 426\\ 35, 426\\ 35, 426\\ 35, 2073\\ 32, 2073\\ 32, 2073\\ 52, 233\\ 18, 607\\ 18, 607\\ \end{array}$	287, 822 861 139, 496 17, 029 17, 029	158, 182 974, 965
To west coast	Ecuador 44, 490 39, 655 39, 655	84, 904 335 159 1, 607 20, 731 107, 736	$\begin{array}{c} 11, 823\\ 24, 833\\ 1, 081\\ 1, 178\\ 1, 178\\ 1, 178\\ 4, 820\\ 1, 635\\ 1, 635\\ 1, 635\\ 1, 635\\ 3, 717\\ 3, 717\\ 3, 717\\ 3, 717\\ \end{array}$	98, 869 6 244 244	29,400
$T_0$	Colombia 106, 410 11, 246 122, 884 123, 193	$\begin{array}{c} 240, 733\\ 5, 050\\ 270\\ 52, 659\\ 298, 912\\ \end{array}$	$\begin{array}{c} 8, 915\\ 45, 439\\ 1, 621\\ 1, 621\\ 2865\\ 1, 254\\ 24, 375\\ 1, 572\\ 39, 986\\ 8, 015\\ 8, 015\end{array}$	137, 551 860 255, 152 20, 409	276, 421
	Chile 317, 703 7, 871 196, 684	522, 258 438, 278 960, 536	$\begin{array}{c} 32, 751\\ 57, 539\\ 57, 539\\ 12, 227\\ 22, 227\\ 23, 519\\ 8, 416\\ 8, 331\\ 331\\ 14, 566\\ 13, 560\\ 14, 995\\ 13, 020\\ 13, 020\\ \end{array}$	217, 823 217, 823 80 143, 030 341, 309	484, 419 16, 000 1, 678, 778
	Total 1, 408, 728 23, 223 852, 428 11, 175	$\begin{array}{c} 2,295,554\\ 42,319\\ 1,886\\ 1,886\\ 1,736,819\\ 1,736,819\\ 4,078,119\\ \end{array}$	280, 090 280, 090 17, 169 20, 872 10, 926 45, 978 45, 978 45, 372 10, 374 210, 374 210, 374 210, 374	$\begin{array}{c} 1.\ 205,\ 031\\ 1.\ 205,\ 031\\ 17,\ 282\\ 6,\ 515\\ 6,\ 525\\ 28,\ 309\\ 19,\ 634\\ 1,\ 816,\ 702\\ 691\end{array}$	1, 926, 115 116, 184 64, 218 7, 389, 667
merica	Hawaiian Islands 105, 445 2, 988 50, 765 11, 175	170, 373 	8, 877 24, 15 17 17 52 17, 27 1, 272	12, 222	182, 687
Torth Ame	Balboa, C.Z.1 777 15, 298	16, 075 16, 075 337, 504 353, 579	141 1,077 	1, 250 7, 108	79, 682
To west coast North America	Central America/ Mexico 66, 368 115, 334	$\begin{array}{c} 182, 630 \\ \hline 1, 740 \\ 1, 740 \\ 1, 251 \\ 517, 299 \\ 702, 920 \end{array}$	$\begin{array}{c} 116,643\\ 116,643\\ 16,554\\ 1,856\\ 3,921\\ 45,960\\ 4,372\\ 4,372\\ 4,372\\ 112,616\\ 112,616\\ 113,410\end{array}$	303, 005 492 3, 422 	131, 644
To	Canada 5, 865 24, 343	$\begin{array}{c} 30,\ 208\\ 28,\ 087\\ 19\\ 12\\ 299,\ 154\\ 357,\ 480\\ \end{array}$	$168,956 \\ 27,698 \\ 4,253 \\ 7,505 \\ 7,519 \\ 7,510 \\ 7$	256, 544 1, 311 2, 195	3, 506 3, 506 2, 355 632, 385
	United States 1, 230, 273 19, 307 646, 688	1, 896, 268 14, 232 127 582, 770 582, 770 2, 493, 675	131, 996 125, 795 125, 795 125, 795 122, 403 35, 188 35, 188 35, 188 35, 514 12, 514 12, 514 12, 514 85, 570 88, 570 88, 570	632, 010 15, 971 34, 320 6, 430 17, 839 17, 839 1, 616, 398 1, 616, 398	1, 711, 283 103, 684 61, 863 5, 002, 515
	East coast North America: United States: North Atlantic ports	Total, United States. Canada. Central America/Mexico. Central America/Mexico. Urst Indies. Total, North America.	Europe: Belgum Belgum Penmark Prance France Italy Netherlands. Netherlands. Netherlands. Spain-Portugal Spain-Portugal Sweden Sweden Sweden Europe (other) 2.	Total, Europe East coast South America: Argentine Argentine Britsh Guiana Colombia Netherland Guiana Venezuela South America (other) 2	Total, South America Asia Africa

### PANAMA CANAL COMPANY

See footnotes at end of table.

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Table 20	
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				FINANCI	AL REP	ORT	AND STATISTICA	L DATA
	Total 150, 431 23, 928 387, 999 99 99, 007	571, 365 98, 739 47, 737 299, 486	1,017,327	809, 174 61, 311 310 43, 502 13, 502 1, 647 7, 721	685 13, 590 29, 131 9, 436	997, 049	3, 424 13, 352 93, 529 113, 305	2, 127, 681 9, 314
	Oceania (other) <sup>2</sup> 15, 564 5, 177 177	20, 913	21,000	9, 597 22		9, 619		30, 619 0, 134
cania	New Zealand Ocea 31,842 2,779 108, 148 810	143, 579 25, 362 11, 005 212, 021	391, 967	728, 129 59, 904 310 1, 547 18, 660 7, 721	$ \begin{array}{c} 685 \\ 685 \\ 13, 680 \\ 29, 030 \\ 9, 436 \\ 9, 436 \end{array} $	868, 977		1, 260, 944
To Oceania	French Oceania 2,466 3,542 219	6, 227	6, 844	41, 636		41, 636		48, 480 0. 212
	Bi itish Occania 600	600 49,307	49, 907	(8, 272 1, 385 1, 385	101	70, 528		120, 435 0, 527
	Australia 100, 559 21, 149 270, 537 7, 801	400, 046 73, 377 36, 732 37, 454	547, 609	3, 176 1, 841 1, 272		6, 289	8, 424 18, 352 93, 529 113, 305	667, 203 2. 921
Martin Martin American	East coast torth America: United States: North Atlantic ports	Total, United States. Canada. Central America/Mexico. Cristobal, C.Z. <sup>1</sup> West Indies.	Total, North America	Europe: British Isles Begium. Begium. Pranee. Italy. Netherlands.	Polard Spain-Portugal Sweden West Germany Europe (other) 2	Total, Europe	East coast South America: Argentine	Asia. Africa Grand total Percent of Pacific-bound cargo.

Percent of total	Pacific- bound cargo 31. 736 23. 161 . 224	55. 861 1. 464 . 245 . 016 13. 821	71.407	$\begin{array}{c} 5.389\\ 2.530\\ .118\\ .392\\ .392\\ .392\\ .392\\ .392\\ .392\\ .392\\ .392\\ .392\\ .361\\ .361\\ .681\\ .851\\ .851\end{array}$	13.546	$\begin{array}{c} .275\\ .719\\ .719\\ .074\\ .051\\ .086\\ .086\\ .007\\ .007\end{array}$	14.139	. 399	100.000
	Grand total 7, 249, 577 108, 964 5, 290, 787 51, 128	$\begin{array}{c} 12,760,456\\ 334,385\\ 56,014\\ 3,679\\ 3,679\\ 3,157,096\end{array}$	16, 311, 630	$\begin{array}{c} 1, 230, 964\\ 577, 919\\ 80, 637\\ 89, 637\\ 89, 637\\ 89, 157\\ 8157\\ 613\\ 637\\ 4372\\ 4372\\ 443\\ 92, 443\\ 92, 443\\ 92, 443\\ 92, 443\\ 91, 338\\ 91, 338\\ 91, 338\\ 92, 433\\ 92,$	3, 094, 319	$\begin{array}{c} 62,810\\ 164,193\\ 17,027\\ 582,656\\ 19,670\\ 2,381,903\\ 1,704\end{array}$	3, 229, 963	116, 184 91, 205	22, 843, 301 100, 000
	Total 5,016,362 98,319 3,378,135 29,038	8, 521, 904 186, 541 5, 913 5913 590, 708	9, 305, 397	12, 216 31, 508 247 247 247 2, 361 9, 909 9, 907 17, 246	130, 109	45, 522 127, 678 4, 880 4, 880 63, 746 63, 746	242, 087	10, 987	9, 688, 580 42. 414
	$\begin{array}{c} A sia \\ A sia \\ (other) \\ 29, 710 \\ 29, 710 \\ 693 \\ 56, 064 \\ 6, 507 \end{array}$	$\begin{array}{c} 92,974\\ 558\\ 3,970\\ \hline 21,912 \end{array}$	119, 414	2	144				119,558 0.523
	Thailand 37,600 3,945 8,945 204	49, 775 1, 438	51, 213			12, 953	12,953		64, 166 0. 281
	South Korea 189,000 8,890 445,879 5,688	649, 457 5, 000	654, 457	216 530 6,468 6,468 166 166 106 930	19, 003			4, 822	678, 282 2. 971
	Philip- pine Islands 233, 316 222, 287 142, 188 5, 107	$\begin{array}{c} 402,898\\ 6,221\\ -4,481\end{array}$	413, 600	251	2,846	10, 380	10, 380		426, 826 1. 867
To Asia	Japan 4, 292, 760 52, 527 2, 436, 342 9, 343	$\begin{array}{c} 6,790,972\\ 170,321\\ 1,943\\ 536,205\\ 536,205 \end{array}$	7, 499, 772	11, 084 30, 978 2475 2, 361 2, 361 8, 841 8, 841 8, 841 233, 6855 12, 900	106, 510	45, 522 127, 678 4, 880 4, 880 8 40, 413	218, 754	6, 128	7, 831, 164 34, 282
	Indonesia 37, 409 2, 111 20, 156 317	59, 993	60, 302						60, 302 0. 264
	Indo- china 69, 775 2, 304 50, 040 197	122, 316 1, 535 18, 201	142, 052						142, 052 0. 622
	Hong- Kong 27, 863 2, 859 39, 962 39, 962 491	$\begin{array}{c} 71, 175\\ 3, 854\\ \end{array}$	78, 622	916	1, 581				80, 203 0. 351
	Formosa 79,300 3,160 145,744 1,181	229, 385 717 256	230, 358	23	23				230, 381 1, 009 argo.
	East Indies 19, 629 32, 865 32, 865	$\begin{array}{c} 52, 959\\ 1, 588\\ -1, 060\end{array}$	55, 607	<b>8</b>	2			37	55, 646 0. 244 shipped c
	East coast North America: United States: North Atlantic ports	Total, United States Canada Central America/Mexico Cristobal, C.Z. <sup>1</sup> West Indies	Total, North America	Europe: Belgium: Belgium: Penmark Prance. Italy Notwey Norwey Spain-Portugal Spain-Portugal West Germany Europe (other) 2	Total, Europe	East coast South America: Argentino	Total, South America	A sia. A frica	Grand total         55,646         230,           Percent of Pacific-bound cargo         0.244         1,           1         Includes both local and transshipped cargo

10	
n and Destination of Cargo Through the Panama Canal from Pacific to Atlantic during Fiscal Year 1958	Segregated by Countries by Principal Trade Areas
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						FIN	ANCIAL RI	EPOI	RT AND STATISTICAL DATA
	Total North America	3, 221, 433 607, 370	4, 34/ 541, 364 464, 533	4, 839, 047	$\begin{array}{c} 4,068,395\\ 184,072\\ 524,223\\ 2,555,940\\ 11,700 \end{array}$	7, 344, 330	340, 328 28, 463 67, 592 113, 316 961	550, 660	$\begin{array}{c} 107, 115\\ 30, 120\\ 36, 796\\ 20, 776\\ 532, 841\\ 532, 841\\ 532, 843\\ 1, 114, 048\\ 1, 115\\ 1, 114, 048\\ 1, 115\\ 1$
merica	West Indies	387, 851 109, 567	3,029 14,782 435	515, 664	23,800 238 382 5,753	32, 415	12, 261 5 76 20, 777	33, 119	$\begin{array}{c} 7, 649\\ 1, 086\\ \hline 1, 086\\ 20, 945\\ 20, 945\\ 34, 712\\ \hline 34, 712\\ \hline 615, 910\\ \hline 2, 436\end{array}$
To other North America	Cristobal, C. 7.1	36,953 925	21, 987 88	59, 999	$\begin{array}{c} 4,103\\ 858\\ 804\\ 739\\ 253 \end{array}$	6, 757	1, 558 5 777	2, 418	7, 942 12, 198 5, 335 29, 168 98, 342 0, 389
To oth	Central America/ Mexico	$9,868 \\ 45$	3, 384	13, 297	12, 103 164 13 3	12, 283	262	272	216 197 36 449 449 26, 301 0, 104
	Canada	16, 630 13, 639	$ \begin{array}{c} 6, 198 \\ 9, 115 \end{array} $	45, 582	118 700	824	149, 802 13, 558	163, 713	366 366 210, 485 0, 833
	Total	2,770,131 483,194	1,272 495,013 454,895	4, 204, 505	$\begin{array}{c} 4,028,383\\ 18,094\\ 522,324\\ 2,552,956\\ 5,694\end{array}$	7, 292, 051	176, 445 28, 453 67, 438 78, 194 608	351, 138	99, 250 21, 092 25, 520 20, 796 20, 796 499, 334 1, 109, 462 73, 620 1, 831, 676 8, 227 8, 227 13, 687, 597 13, 687, 597
es	United States (other) 2	88, 061 9, 339	4,445	114, 565	$\begin{array}{c} 96\\ 2,838\\ 6,536\\ 6\\ 27\end{array}$	9, 503	16, 647	16, 647	11 22, 209 22, 525 407 25, 242 165, 957 0, 656
To United States	Gulf ports	184,707 32,739	598 81, 931 166, 092	466, 067	385, 577 37, 757 37, 757 283, 840 365, 288 4, 920	1,077,382	12, 576	12, 958	40, 312 275 275 388, 421 8, 421 1, 773 98, 177 1, 773 1, 775 1, 7
$T_0$	South Atlantic ports	54,923 5,000	$\begin{array}{c}1\\23,589\\14,806\end{array}$	98, 319	$183,948 \\ 10,587 \\ 5,456 \\ 5,377$	205, 368	13, 964	16,484	590 263 465 10, 500 11, 540 11, 540 24, 553 24, 553 344, 724 1, 364
	North Atlantic ports	2,442,440 436,116	673 385,047 261,278	3, 525, 554	$\begin{array}{c} 3,458,762\\ 131,512\\ 226,492\\ 2,182,285\\ 2,182,285\end{array}$	5, 999, 798	133, 258 28, 453 67, 438 75, 292 608	305,049	$\begin{array}{c} 58, 348\\ 20, 543\\ 20, 543\\ 11, 910\\ 11, 910\\ 11, 910\\ 70, 281\\ 70, 281\\ 70, 281\\ 11, 565, 490\\ 8, 227\\ 8, 227\\ 8, 227\\ 11, 404, 118\\ 145, 109\\ \end{array}$
		West coast North America: United States	Balboa, Canal Zone ! Central America/Mexico. Hawaitan Islands/	Total, North America	West coast South America: Chile Colombia Benu Peru Sorth America (other) <sup>2</sup>	Total, South America	Oceanla: Australia British Oceanla French Oceanla New Zeland Oceanla (other) 2	Total, Canada	Asia: East Indies East Indies Hong Kong Indochina Indocesia Data Papan P

FINANCIAL REPORT AND STATISTICAL DATA

							To Europe	rope						
Wast most North America.	British Isles	Belgium	Denmark	France	Italy	Irish Republic	Nether- lands	Norway	Poland	Spain Portugal	Sweden	West Germany	Europe (other) <sup>2</sup>	Total
United States	229, 292 2, 173, 767	201, 216 179, 552	$\begin{array}{c} 46, 690 \\ 1, 738 \\ 11 \end{array}$	112, 272 53, 981	107, 797 153, 204 777	17, 742 5, 065	337,003 401,752 $^{9}176$	29,960 $65,254$	16,983 $5,245$	$^{7}_{1, 057}$	53, 217 92	242, 626 286, 991	132, 635 263, 632	$\begin{array}{c} 1, 534, 901\\ 3, 591, 330\\ 2. 964 \end{array}$
Central America/Mexico. Hawaiian Islands	20,089 12,972	14, 233 4, 993	35 1	$2,071 \\ 1,846$	2, 305	34	25, 790 8, 860	19			1,596 3,223	$\begin{array}{c} 91,730\\ 16,909\end{array}$	$^{7, 194}_{2, 683}$	165,096 51,521
Total, North America	2, 436, 120	399, 994	48, 509	170, 170	264, 083	22, 841	775, 581	95, 233	22, 228	8, 525	58, 128	638, 256	406, 144	5, 345, 812
West coast South America: Colombia Ecuador Peru- South America (other) 2.	$178, 246 \\ 65 \\ 14, 251 \\ 223, 526 \\ 22, 685$	44, 927 3, 833 90, 614 60, 568 1, 071	$16,644\\147\\705\\9,424\\82$	$\begin{array}{c} 108, 625\\ 9, 479\\ 936\\ 76, 884\\ 290\end{array}$	$\begin{array}{c} 63,972\\ 5,359\\ 7,233\\ 7,233\\ 1,031 \end{array}$	6	$156, 021 \\ 2, 860 \\ 11, 968 \\ 474, 312 \\ 5, 813$	4 1, 537 1, 014	640	$201,023 \\ 1,496 \\ 1,841 \\ 307 \\ 17$	$\begin{array}{c} 45,867\\ 6,476\\ 2,738\\ 9,019\\ 337\end{array}$	$\begin{array}{c} 333, 214 \\ 14, 118 \\ 176, 839 \\ 428, 621 \\ 11, 278 \end{array}$	$\begin{array}{c} 79,810\\ 307\\ 6,505\\ 11,555\\ 5,388\end{array}$	$1, 228, 353 \\ 39, 485 \\ 313, 933 \\ 1, 302, 472 \\ 47, 992 \\$
Total, South America	438, 773	201,013	27,002	196, 214	78, 299	6	650, 974	2, 555	640	204,684	64, 437	964,070	103, 565	2, 932, 235
Oceania: Australia British Oceania French Oceania New Zealand Oceania (other) 2	$\begin{array}{c} 63, 187\\ 63, 181\\ 184, 181\\ 759, 268\\ 20, 869\end{array}$	5, 709		1,814 $52,897$ $30,514$	2,032		10, 668		75	6	22	$\begin{array}{c} 1, 223 \\ 4, 758 \\ 15, 433 \end{array}$	$\begin{array}{c} 17,725\\ 17,725\\ 7,660\end{array}$	72, 008 206, 664 53, 595 847, 510 28, 538
Total, Oceania	1, 028, 172	13, 166	II	85, 225	2,050		10,668		75	6	22	21, 414	47, 503	1, 208, 315
Asla: Bast Indies China Hong Kong Indonshina Japan Japan Philippine Islands Asla (other) <sup>2</sup>	748	5, 222		75	20	19	516				40		8, 431	748 575 58, 841
Total, Asia	28, 659	5, 222		75	20	19	8, 231			2	9, 660		8, 431	60, 367
Antarctica	12, 943	10, 107					41, 910					9, 310		74, 270
Grand total Percent of Atlantic-bound	3, 944, 667	629,	75, 522	451, 684	344, 502	22, 869	1, 487, 364	97, 788	22, 943 A 001	213, 218	132, 247	1, 633, 050 6 450	565, 643 2 227	9, 620, 999 38 056
See footnotes at end of table.	10. 003 able,	2, 490	AR7 10	1, 130	1. 200	TRO '0	0.000	0. 001	100.0	0.020	070 00	2		

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in and Destination of Cargo Through the Panama Canal from Pacific to Atlantic during Fiscal Year 1958	
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Percent	of total Attantic- bound cargo 18, 105 18, 105	$\begin{array}{c} 21.\ 232\\ 221.\ 232\\ 3.\ 385\\ 15.\ 381\\ 15.\ 381\\ 237\\ 41.\ 155\end{array}$	$\begin{array}{c} 1.632\\ .930\\ .479\\ 3.801\\ .117\\ .117\\ 6.959\end{array}$	$\begin{array}{c} . 424 \\ . 005 \\ . 122 \\ . 010 \\ . 082 \\ . 662 \\ . 336 \\ . 336 \end{array}$	8, 351 , 326 100, 000
	<i>Grand</i> <i>total</i> 5, 106, 877 4, 577, 256 4, 577, 256 715, 621 516, 221 10, 923, 883	5, 367, 842 232, 599 855, 639 3, 888, 541 59, 903 10, 404, 524	412, 556 235, 127 235, 127 961, 045 29, 499 1, 759, 414	$\begin{array}{c} 107,118\\ 1,136\\ 30,942\\ 20,520\\ 20,779\\ 50,779\\ 672,991\\ 1,185,290\\ 1,185,290\\ 84,983\end{array}$	2, 111, 190 82, 497 25, 281, 508 100, 000
[	Total 84, 403 301, 289 			3, 280	3, 280 388, 972 1. 639
frica	Africa (other) <sup>2</sup> 7, 125 36, 263 36, 263 			3, 280	3, 280 46, 668 0, 185
To Africa	Union of South Africa 52, 813 199, 082 199, 082 251, 895				251, 895 0. 996
	Portu- guese East Africa 65, 944 90, 409				90, 409 0. 358
ſ	To Asia 28, 318 17, 810 46, 128	58, 324 9, 896 68, 220			3 114, 351 0, 452
	Total 237, 822 59, 457 9, 161 9, 161 167 307, 204	12, 770 9, 042 17, 483 20, 233 20, 233 59, 739	220	3 244 71, 242 1, 699	151, 169 518, 561 2. 051
ca	South South (other) <sup>2</sup> 3, 430 1, 492 4, 924	2,011 2,011 2,047		4 5, 203 5, 301	7,543
uth Ameri	Vene- zuela 97, 911 54, 616 83, 385 8, 385 137 161, 132	$\begin{array}{c} 12,757\\ 12,757\\ 8,018\\ 20,197\\ 71\\ 41,043\end{array}$	220 219 439	3 237 20, 513 25, 245 1, 155	47, 153 249, 767 0. 988
To east coast South America	<i>Colombia</i> 14, 454 1, 907 1, 456 774 30 17, 621	9, 042 7, 454 16, 506		3 2,009 40,794 509	43, 315 77, 442 0, 306
T0 ea	Brazil ( 112, 819 1, 192 1, 23	3		33, 863	33, 863 33, 863 148, 040 0, 586
)	Argen- tine 9, 208 35 35 9, 493			19, 295	19, 295 28, 788 0, 114
	West coast North America: United States Canada	West coast South America: Ohie Colombia Beru- Peru- Peru- Total South America (other) 2.	Oceania: Australia British Oceania French Oceania New Zeeland Oceania (other) 2. Total, Oceania.	Asia: East Indies. Ohina. Indonesia. Indonesia. India. Philippine Islands. Asia (other) <sup>2</sup> .	Total, Asia Antarctica Grand total Percent of Atlantic-bound cargo

<sup>1</sup> Includes both local and transshipped cargo. <sup>2</sup> Also includes cargo not routed to permit segregation between definite countries.

FINANCIAL REPORT AND STATISTICAL DATA

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# Table 22.—Cargo Shipments by Trade Routes—Atlantic to Pacific

[Thousands of long tons]

EAST COAST UNITED STATES TO— West coast United States	" [Thousands of long	tons]	Fiscal 1	lear	
EAST COAST UNITED STATES TO—       1800       2,096       2,320       2,474         West coast Canada       30       51       73       70         West coast Canada       30       51       73       70         West coast Canada       133       146       204       137         West coast Canada       1,372       1,465       1,295       1,091         Chie       552       607       453       NA         Colombia       241       197       307       NA         Peru       510       553       410       NA         Others       14       24       28       NA         Others       14       24       28       NA         New Zealand       160       396       471       NA         New Zealand       28       96       58       NA         Others       28       96       58       NA         Hayaian       1365       257       10,477       7,286       6,441         New Zealand       229       200       220       NA       NA         Others       53       77       32       NA         Hongkong       71	1				1955
West coast Canada	EAST COAST UNITED STATES TO-				
West coast Central America/Mexico       183       146       204       137         West coast Central America/Mexico       1,372       1,465       1,295       1,091         Chile	West coast United States				
West coast South America	West coast Canada West coast Central America/Mexico	183	146		137
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	West coast South America			1, 295	1, 091
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Chile				
Ecuador	Colombia				
Peru       14       24       28       NA         Others       170       226       214       210         Mawaian Islands       170       226       214       210         Oceania       571       647       751       816         Australia       400       396       471       NA         New Zealand       143       155       222       NA         Others       28       96       58       NA         Asia       8, 522       10, 477       7, 286       6, 441         British East Indies       53       77       32       NA         Hongkong       122       200       101       NA         Indochina       122       200       101       NA         Indochina       60       255       40       NA         Japan       63       477       412       NA         South Korea       63       659       831       NA         Thailand       50       50       42       NA         Others       93       176       78       NA         Others       93       176       78       NA         Othe	Ecuador				
Others       14       14       14       14       15         Hawaiian Islands       170       226       214       210         Oceania       571       647       751       816         Australia       400       396       471       NA         New Zealand       143       155       222       NA         Others       28       96       53       NA         Others       28       96       53       NA         Asia       8,522       10,477       7,286       6,441         British East Indies       53       77       32       NA         Hongkong       71       66       51       NA         Hongkong       71       66       51       NA         Indochina       122       200       101       NA         Japan       6, 791       8, 257       5, 472       NA         South Korea       63       659       831       NA         Others       93       176       78       NA         Others       93       176       78       NA         Others       93       176       78       NA <t< td=""><td>Peru</td><td></td><td></td><td></td><td></td></t<>	Peru				
Hawaiian Islands       110       223       211         Oceania       571       647       751       816         Australia       400       396       471       NA         New Zealand       143       155       222       NA         Others       28       96       58       NA         Others       28       96       58       NA         Asia       8,522       10,477       7,286       6,441         British East Indies       53       77       32       NA         Formosa       71       66       51       NA         Hongkong       122       200       101       NA         Indochina       122       200       101       NA         Japan       6, 791       8, 257       5, 472       NA         Philippine Islands       630       659       831       NA         South Korea       93       176       78       NA         Others       93       176       78       NA         Others       93       176       78       NA         Others       12,760       15,132       12,174       11,264	Others			===== :	
Oceania $371$ $071$	Hawaiian Islands	170	226	214	
Australia       143       155       222       NA         New Zealand       28       96       58       NA         Others       28       96       58       NA         Asia       8,522       10,477       7,286       6,441         British East Indies       53       77       32       NA         Hongkong       229       260       227       NA         Hongkong       71       66       51       NA         Indonesia       60       255       40       NA         Japan       6, 791       8, 257       5, 472       NA         Philippine Islands       403       176       78       NA         South Korea       93       176       78       NA         Others       93       176       78       NA         West coast United States       14       21       14       11       26         West coast United States       14       21       14       14       15         West coast Canada       28       61       59       38         West coast South America       7       2       7       7         Oceania       99	Oceania	571	647	751	816
Australia       143       155       222       NA         New Zealand       28       96       58       NA         Asia       8, 522       10, 477       7, 286       6, 441         British East Indies       53       77       32       NA         Formosa       229       260       227       NA         Hongkong       71       66       51       NA         Indonesia       60       255       40       NA         Indonesia       60       255       40       NA         South Korea       650       659       831       NA         South Korea       650       659       831       NA         Others       93       176       78       NA         Others       93       176       78       NA         Balboa, C.Z       16       24       26       25         Total       12,760       15,132       12,174       11,264         EAST COAST CANADA TO—       99       104       103       133         West coast United States       14       21       14       15         West coast South America       7       2       7 <td>Australia</td> <td>400</td> <td>396</td> <td></td> <td></td>	Australia	400	396		
Active Detailed       28       96       58       NA         Others			155		
Asia       8,522       10,477       7,286       6,441         British East Indies       53       77       32       NA         Formosa       229       260       227       NA         Hongkong       71       66       51       NA         Indochina       122       200       101       NA         Indochina       60       255       40       NA         Japan       6,791       8,257       5,472       NA         Philippine Islands       650       659       831       NA         South Korea       50       50       42       NA         Thailand       50       50       42       NA         Others       93       176       78       NA         Balboa, C.Z       16       24       26       25         Total       12,760       15,132       12,174       11,264         East Coast Canada       28       61       59       29         West coast Canada       28       61       59       29         West coast South America       7       2       7       7         Oceania       99       104       103			96		
British East Indies       239       260       227       NA         Formosa       71       66       51       NA         Hongkong       122       200       101       NA         Indochina       122       200       101       NA         Indochina       60       255       40       NA         Japan       6,791       8,257       5,472       NA         Philippine Islands       650       659       831       NA         South Korea       650       50       42       NA         Others       93       176       78       NA         Balboa, C.Z       16       24       26       255         Total       12,760       15,132       12,174       11,264         EAST CoAST CANADA TO—       12,760       15,132       12,174       11,264         West coast Canada       28       61       59       29         West coast Central America/Mexico       7       2       7         Oceania       99       104       103       133         Australia       74       80       68       NA         New Zealand	Asia		10, 477	7, 286	6, 441
Balton Data Halos Halos 1       229 $260$ $227$ NA         Hongkong       71 $66$ $51$ NA         Indochina $122$ $200$ $101$ NA         Indonesia $60$ $255$ $40$ NA         Japan $6,791$ $8,257$ $5,472$ NA         Philippine Islands $650$ $659$ $831$ NA         South Korea $50$ $50$ $42$ NA         Thailand $50$ $50$ $42$ NA         Others $93$ $176$ $78$ NA         Balboa, C.Z $16$ $24$ $26$ $255$ Total $12,760$ $15,132$ $12,174$ $11,264$ EAST COAST CANADA TO— $14$ $21$ $14$ $15$ West coast Canada $-95$ $88$ $38$ West coast South America $72$ $7$ $7$ Oceania $99$ $104$ $103$ $133$ Australia $74$ $80$ $68$ NA         New Ze	Duitich Fast Indias	53	77	32	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			260	227	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Hongkong	71			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Indochina				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Indonesia				
Philippine Islands       403       650       671       831       NA         South Korea       650       650       831       NA         Thailand       50       50       42       NA         Others       93       176       78       NA         Balboa, C.Z.       16       24       26       25         Total       12,760       15,132       12,174       11,264         EAST COAST CANADA TO—       14       21       14       15         West coast United States       28       61       59       29         West coast Central America/Mexico       7       2       7         Oceania       99       104       103       133         Australia       74       80       68       NA         New Zealand       25       24       35       NA         Others         NA       NA         Asia       187       187       98       80         Japan       171       170       72       NA         Others	Japan		8, 257		
South Korea       0000 $500$ $500$ $420$ NA         Thailand       93 $176$ $78$ NA         Balboa, C.Z       16 $24$ $26$ $25$ Total       12,760 $15,132$ $12,174$ $11,264$ EAST COAST CANADA TO—       14 $21$ $14$ $15$ West coast United States       28 $61$ $59$ $29$ West coast Canada       28 $61$ $59$ $29$ West coast Canada $7$ $2$ $7$ $7$ Oceania $99$ $104$ $103$ $133$ Australia $74$ $80$ $68$ $NA$ New Zealand $25$ $24$ $35$ $NA$ Others $$ $$ $$ $NA$ Others $$ $$ $NA$ $NA$ Asia $$ $$ $NA$ $NA$ Others $$	Philippine Islands				
Others.       93       176       78       NA         Balboa, C.Z.       16       24       26       25         Total.       12,760       15,132       12,174       11,264         EAST COAST CANADA TO—       14       21       14       15         West coast United States.       14       21       14       15         West coast Canada       28       61       59       29         West coast Canada       7       2       7         Oceania       7       2       7       7         Oceania       99       104       103       133         Australia       74       80       68       NA         New Zealand       25       24       35       NA         Others	South Korea				
Others       Id				78	NA
Balboa, C.Z.       10 $24$ $23$ $24$ Total       12,760       15,132       12,174       11,264         EAST COAST CANADA TO—       14       21       14       15         West coast United States       28       61       59       29         West coast Canada       28       61       59       29         West coast Central America/Mexico       7       2       7         Oceania       7       2       7       7         Oceania       99       104       103       133         Australia       74       80       68       NA         New Zealand       25       24       35       NA         Others	Others	• -			
Total       Total <thtotal_d_d_d_d_d_d< td=""><td>Balboa, C.Z</td><td></td><td></td><td></td><td></td></thtotal_d_d_d_d_d_d<>	Balboa, C.Z				
West coast United States28 $14$ $21$ $14$ $21$ $14$ $21$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $220$ $290$ West coast Central America/Mexico	Total	12, 760	15, 132	12, 174	- /
West coast United States28 $14$ $21$ $14$ $21$ $14$ $21$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $221$ $14$ $220$ $290$ West coast Central America/Mexico	EAST COAST CANADA TO-			14	15
West coast Canada28 $611$ $595$ $88$ $38$ West coast Central America/Mexico7 $2$ $7$ $7$ $7$ West coast South America99 $104$ $103$ $133$ Oceania99 $104$ $103$ $133$ Australia74 $80$ $68$ $NA$ New Zealand25 $24$ $35$ $NA$ Others $187$ $187$ $98$ $80$ Japan171 $170$ $72$ $NA$ Others $16$ $16$ $26$ $NA$	West coast United States				
West coast Central America/Mexico       7 $33$ $36$ $37$ West coast South America       7 $2$ $7$ $7$ Oceania       99 $104$ $103$ $133$ Australia       74 $80$ $68$ $NA$ New Zealand $25$ $24$ $35$ $NA$ Others $187$ $187$ $98$ $80$ Japan $171$ $170$ $72$ $NA$ Others $16$ $16$ $26$ $NA$	West coast Canada	28			
West coast South America $7$ $2$ $100$ Oceania       99       104       103       133         Australia       74       80       68       NA         New Zealand       25       24       35       NA         Others        NA        NA         Asia       187       187       98       80         Japan       171       170       72       NA         Others       16       16       26       NA	West coast Central America/Mexico			00	
Oceania $33$ $101$ $103$ Australia $74$ $80$ $68$ $NA$ New Zealand $25$ $24$ $35$ $NA$ Others $25$ $24$ $35$ $NA$ Asia $187$ $187$ $98$ $80$ Japan $171$ $170$ $72$ $NA$ Others $16$ $16$ $26$ $NA$	West coast South America				
Australia       24       35       NA         New Zealand       25       24       35       NA         Others       187       187       98       80         Japan       171       170       72       NA         Others       16       16       26       302	Oceania	99	104	103	133
Adstrand       25       24       35       NA         New Zealand           NA         Others            NA         Asia             NA         Japan	Australia	74	80		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			24	35	
Asia         187         187         98         80           Japan         171         170         72         NA           Others         16         16         26         NA		_ ~			NA
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				98	80
$\begin{array}{c} \text{Japan}_{\text{Others}} & \text{III} & \text{IIII} & \text{IIII} \\ \text{Others}_{\text{Others}} & \underline{16} & \underline{16} & \underline{26} & \text{NA} \\ \hline & \underline{16} & \underline{16} & \underline{26} & \underline{302} \\ \hline & \underline{302} & \underline{302} & \underline{302} \end{array}$			150		N A
Others $10 - 10 - 20 - 200 - $	Japan				
Total 335 470 362 302	Others	10	10	20	
	Total	335	470	362	302

North Carrier Commence Assessed (Marrier	Fiscal year							
EAST COAST CENTRAL AMERICA/MEXICO	1958	1957	1956	1955				
West coast Central America/Mexico West coast United States	2		4 10	11 2				
Oceania	48	56	43					
Australia New Zealand	37 11	37 19	43	NA NA				
Asia Other territories	6 		1	1 4				
Total	56	68	58	18				
EAST COAST SOUTH AMERICA TO West coast United States West coast Canada	1, 711	1,340	1, 304	233				
West coast Central America/Mexico	132	120	86	78				
West coast South America	948	774	800	463				
Chile Colombia	484 277	$583 \\ 46$	581 70	NA NA				
Ecuador Peru	$\begin{array}{c} 29 \\ 158 \end{array}$	145	$\frac{3}{146}$	NA NA				
Oceania	113	212	90	111				
Australia Others	113	201 11	88 2	NA NA				
Asia	242	233	148	151				
Japan Others	$\frac{219}{23}$	233	148	NA NA				
Balboa, C.Z	80	70	24	27				
Total	3, 230	2,754	2, 457	1,065				
CRISTOBAL, CANAL ZONE TO— West coast Central America/Mexico West coast South America	1 2	1	1	13				
Other territories	1		1					
Total	4	1	2	13				
WEST INDIES TO— West coast United States West coast Canada West coast Central America/Mexico	583 299 517	188 $247$ $442$	174 $155$ $430$	$253 \\ 125 \\ 306$				
West coast South America	530	863	933	1, 066				
Chile Colombia Ecuador Peru Others	438 53 21 18	582 185 28 67 1	565 239 4 125	NA NA NA NA NA				

# Table 22.—Cargo Shipments by Trade Routes—Atlantic to Pacific—Con. [Thousands of long tons]

# Table 22.—Cargo Shipments by Trade Routes—Atlantic to Pacific—Con.

[Thousands of long tons]

	Fiscal year			
West Indies to-	1958	1957	1956	1955
Balboa, C.Z.	338	279	286	202
Oceania	299	180	208	263
Australia	37	18	142	NA
British Oceania	49	10		$\mathbf{N}\mathbf{A}$
New Zealand	212	141	56	NA
Others	1	11	10	NA
Asia	591	861	672	428
Indochina	18		12	NA
Japan	536	812	571	NA
U.S.S.R	22	25	44	NA
Others	15	24	45	NA
Antarctica (whaling grounds)			15	42
Total	3, 157	3, 060	2, 873	2, 685
EUROPE TO-				
West coast United States	632	677	598	525
West coast Canada	257	394	310	197
West coast Central America/Mexico	303	279	239	261
West coast South America	762	780	765	667
Chile	218	226	200	NA
Colombia	137	81	118	NA
Ecuador	99	$\tilde{70}$	79	NA
Peru	288	329	310	NA
Others	20	74	58	NA
Hawaiian Islands	12	11	12	21
Oceania	997	993	1,074	1, 185
British Oceania	70	61	42	NA
French Oceania	42	40	35	NA
New Zealand	869	749	969	NA
Others	16	143	28	NA
Asia	130	628	95	23
Japan	107	583	76	NA
South Korea	18	12	5	NA
Others	5	33	14	NA
Other territories	1	1	1	2
Total	3,094	3, 763	3, 094	2, 881
ASIA TO (MIDDLE EAST)				
West coast United States	104	82	160	116
Asia		11		
Other territories	12	2		
Total	116	95	160	116

	Fiscal year			
AFRICA TO-	1958	1957	1956	1955
West coast United States	62	74	71	37
West coast Canada	2	2	3	4
West coast South America	16	2	32	33
Oceania		4		1
Asia	11	9		
Total	91	87	106	75
Total cargo—Atlantic to Pacific	22, 843	25, 430	21, 286	18, 419

# Table 22 .- Cargo Shipments by Trade Routes-Atlantic to Pacific-Con.

[Thousands of long tons]

NA-Not available.

## Table 23.—Cargo Shipments by Trade Routes—Pacific to Atlantic

[ I nousands of for	ig tonsj			
	Fiscal year			
West Coast United States To-	1958	1957	1956	1955
East coast United States	2,770	2, 480	3, 956	3, 505
East coast Canada	17	2, 400	73	64
East coast Central America/Mexico	10	10	1	
East coast South America	238	260	120	198
D 11		1.10		
Brazil	113	142	21	NA NA
Colombia	14	13	16	
Venezuela	98	64	65	NA
Others	13	41	18	NA
Cristobal, C.Z.	37	10	18	36
0115101041, 0.2				
West Indies	388	428	328	711
British West Indies	17	10	13	NA
Cuba	<u>99</u>	83	113	NA
Netherland West Indies	71	121	4	NA
Puerto Rico	188	$20\overline{2}$	191	NA
Others	13	7	7	NA
Europe	1, 535	2, 175	2,099	1, 456
British Isles	229	284	291	NA
Belgium	201	248	465	NA
Denmark	47	11	17	NA
France	112	567	97	NA
Italy	108	140	60	NA
Irish Republic	18	36	13	NA
Netherlands	337	281	560	NA
Norway	30	28	35	NA
Poland	17			NA
Sweden	53	49	42	NA
West Germany	243	230	196	NA
Others	140	301	323	NA
Asia	28	30	58	2
Israel	19		29	NA
Others	19		$\frac{29}{29}$	NA

[Thousands of long tons]

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### [Thousands of long tons] Fiscal year 1957 1955 1958 1956 WEST COAST UNITED STATES TO---84 96 107 180 Africa\_\_\_\_\_ $\mathbf{24}$ 9 27 NA Portuguese East Africa..... NA Union of South Africa\_\_\_\_\_ 5336 62 7 18 NA 51 Others\_\_\_\_\_ ---------\_\_\_\_ -5, 512 6,760 6, 152 Total 5, 107

Table 23.-Cargo Shipments by Trade Routes-Pacific to Atlantic-Con.

10081	5, 107	0, 014	0, 700	0, 152
WEST COAST CANADA TO— East coast United States East coast Canada	483	305 7	400 76	477 95
East coast South America	59	37	31	47
Venezuela Others	54 5	33 4	21 10	NA NA
West Indies	110	73	85	98
British West Indies Puerto Rico Others	27 68 15	$\begin{array}{c} 20\\ 43\\ 10\end{array}$	27 39 19	NA NA NA
Europe	3, 591	2, 736	2, 609	2, 917
British Isles Belgium France Italy Netherlands Norway U.S.S.R West Germany Others Asia	$\begin{array}{c} 2, 174 \\ 180 \\ 54 \\ 153 \\ 402 \\ 65 \\ 54 \\ 287 \\ 222 \\ \hline \hline \\ 18 \\ \hline \\ 301 \\ \end{array}$	$\begin{array}{c} 1, 301 \\ 272 \\ 52 \\ 66 \\ 159 \\ 55 \\ \hline 475 \\ 356 \\ \hline 45 \\ \hline 296 \end{array}$	$1, 613 \\ 155 \\ 25 \\ 51 \\ 240 \\ 37 \\ 8 \\ 173 \\ 307 \\ 20 \\ 415$	NA NA NA NA NA NA NA NA NA NA NA A 404
Portuguese East Africa Union of South Africa Others Other territories		$ \begin{array}{r}                                     $	$ \begin{array}{r}                                     $	NA NA NA
Total	4, 577	3, 501	3, 637	4, 109
West Coast Central America/Mexico	4, 377	3, 301	3, 037	4, 109
East coast United States East coast Central America/Mexico East coast South America Cristobal, C.Z West Indies	$ \begin{array}{r} 495 \\ 4 \\ 9 \\ 22 \\ 15 \\ \hline \end{array} $	$376 \\ 17 \\ 8 \\ 45 \\ 9 \\$	$385 \\ 2 \\ 7 \\ 45 \\ 19$	393 21 5 27 11

[Thousands of long tons]				
West Coast Central America/Mexico	Fiscal year			
To-	1958	1957	1956	1955
Europe	165	165	243	143
British Isles	20	10	19	NA
Netherlands	$\frac{26}{22}$	16     99	$\begin{array}{c} 35 \\ 122 \end{array}$	NA NA
West Germany Others	$\begin{array}{c} 92 \\ 27 \end{array}$	99 40		NA
Other territories	6			
Other territories				
Total	716	620	701	600
WEST COAST SOUTH AMERICA TO— East coast United States East coast Canada	7, 292	5, 888 1	4, 897 10	4, 878 9
East coast South America	60	97	68	55
Colombia	17	16	16	NA
Venezuela	41	14	21	NA
Others	2	67		NA
Cristobal, C.Z.	7	41	12	9
West Indies	33	52	44	35
Cuba Others	23 10	19 33	22 22	NA NA
Europe	2, 932	2, 810	2, 396	1, 823
British Isles	439	450	428	NA
Belgium	201	262	248	NA
Denmark France	$\frac{27}{195}$	$\frac{36}{81}$	$\frac{47}{116}$	NA NA
Italy	78	104	109	NA
Netherlands	652	641	290	NA
Spain and Portugal	$205 \\ 64$	177     67	$\begin{array}{c}194\\71\end{array}$	NA NA
Sweden West Germany	964	833	716	NA
Others	107	159	177	NA
Asia	68	10	141	20
Egypt Others	-50 18	10	$\begin{array}{c} 100\\ 41 \end{array}$	NA NA
Africa Other territories	12	10 $4$	$\frac{3}{5}$	83
Total	10, 405	8, 913	7, 576	6, 912
BALBOA, C.Z. To-				
Cristobal, C.Z.		$\frac{1}{2}$		
West Indies Europe	3	$\frac{2}{7}$	10	3
Other territories	$\frac{3}{2}$	$\frac{1}{2}$	1	$\frac{3}{2}$
Total	8	12	11	5

# Table 23.—Cargo Shipments by Trade Routes-Pacific to Atlantic-Con.

# Table 23.—Cargo Shipments by Trade Routes—Pacific to Atlantic—Con.

[Thousands of long	nousands of long tons] Fiscal year			
HAWAHAN ISLANDS TO— East coast United States East coast Canada	1958 455 9	<i>1957</i> 540	<i>1956</i> 653 1	1955 644 6
Europe	52	51	19	9
British Isles West Germany Others	13 17 22	$ \begin{array}{c} 10\\ 11\\ 30 \end{array} $	<u>3</u> 16	NA NA NA
Other territories	1	1		
Total	517	592	673	659
Oceania To— East coast United States East coast Canada	• 351 164	$329 \\ 136$	$\begin{array}{c} 285\\ 140 \end{array}$	198 127
West Indies	33	38	26	27
British West Indies Others	31 2	$\frac{36}{2}$	$\frac{24}{2}$	NA NA
Europe	1, 208	1, 968	1, 197	1, 144
British Isles Belgium France Netherlands West Germany Others	$     \begin{array}{r}       1,028 \\       13 \\       85 \\       11 \\       21 \\       50     \end{array} $	$ \begin{array}{r} 1, 533 \\ 39 \\ 154 \\ 25 \\ 58 \\ 159 \\ \end{array} $	$ \begin{array}{r}     1,007\\     8\\     94\\     37\\     20\\     31 \end{array} $	NA NA NA NA NA
Other territories	3	2	3	1
Total	1, 759	2, 473	1,651	1, 497
ASIA To— East coast United States East coast Canada	1, 832	2, 086	2, 281 13	1, 879
East coast South America	151	193	306	247
Argentine Brazil Colombia Venezuela Others	$19 \\ 34 \\ 43 \\ 47 \\ 8$	$33 \\ 52 \\ 52 \\ 45 \\ 11$	$155 \\ 53 \\ 54 \\ 31 \\ 13$	NA NA NA NA
Cristobal, C.Z West Indies	29 35	30 65	$\frac{20}{20}$	21 35
Europe	60	179	98	51
British Isles Others	$\frac{28}{32}$	86 93	$\frac{32}{66}$	NA NA
Africa	4	34	43	18
Total	2, 111	2, 615	2, 781	2, 254

	Fiscal year			
ANTARCTICA (WHALING GROUNDS) To	1958 8	1957	1956 8	1955
Europe	74	34	35	37
Total	82	34	43	39
Total cargo-Pacific to Atlantic	25, 282	24, 272	23, 833	22, 227
NA—Not available.				

### Table 23 .- Cargo Shipments by Trade Routes-Pacific to Atlantic-Con.

[Thousands of long tons]

Table 24.—Important Commodity Shipments Over Principal Trade Routes—Atlantic to Pacific

Thousands of long tons]

[Thousands of la	Fiscal year			
EAST COAST UNITED STATES TO WEST COAST UNITED STATES:	1958	1957	1956	1955
Bricks and tile	3	5	6	5
Canned food products	14	24	28	35
Chemicals, unclassified	203	75	46	35
Confectionerv	15	12	16	17
Electrical equipment	26	23	<b>24</b>	30
Floor coverings	10	8	15	17
Groceries, unclassified	18	14	20	22
Iron and steel manufactures	731	1,024	989	792
Liquors	23	22	22	27
Machinery	6	11	10	14
Metals, various	30	18	12	13
Paints Paper and paper products	8	9	9	10
Petroleum and products:	73	101	110	99
Crude oil	11	9	13	
Gasoline	142	131	306	660
Lubricating oil	$\frac{142}{231}$	223	229	192
Fuel oil	201	5	$12^{223}$	132
Other and unclassified	38	44	$34^{12}$	25
Pharmaceutical products	21	$\hat{20}$	$2\hat{0}$	22
Soap and soap products	7	7	- 8	7
Soda and sodium compounds	8	13	16	23
Sulfur	61	72	91	112
Textiles	9	8	10	18
Woodpulp	1	19	18	13
All other and unclassified	207	199	256	279
Total	1, 896	2,096	2, 320	2,474
	1, 050	2,050	2, 320	2, 414
EAST COAST UNITED STATES TO WEST COAST				
CANADA:				
Ammonium compounds	4	4	3	6
Rice	4		7	$\tilde{5}$
Sulfur	14	39	43	37
Tinplate				5
All other and unclassified	8	8	25	17
Total	30	51	78	70

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#### PANAMA CANAL COMPANY

## Table 24.—Important Commodity Shipments Over Principal Trade Routes—Atlantic to Pacific—Continued

[Thousands of lor	ng tons]			
EAST COAST UNITED STATES TO WEST COAST		Fiscal	year	
CENTRAL AMERICA/MEXICO:	1958	1957	1956	1955
Ammonium compounds	$^{2}$	5	1	1
Chemicals, unclassified	15	14	20	22
Corn	37		72	7
Fertilizers, miscellaneous and unclassi-				_
fied	12	13	10	7
Iron and steel manufactures	13	19	10	9
Petroleum and products:	5	9	10	13
Gasoline	4	5	5	1
Lubricating oil	4	3	5	3
Other and unclassified	$\hat{2}$	· 11		1
Wheat	$2\overline{9}$	13	4	$\overline{2}$
All other and unclassified	60	54	67	71
Total	183	146	204	137
EAST COAST UNITED STATES TO WEST COAST				
SOUTH AMERICA:				
Agricultural implements	18	19	20	20
Ammonium compounds	32	17	13	9
Asphalt	12	6	34	24 73
Automobiles and parts Barley	$46 \\ 4$	$64 \\ 12$	58	10
Bricks and tile	$\frac{1}{7}$	11	15	12
Canned food products	$\dot{24}$	$\hat{2}\hat{1}$	$\overline{34}$	31
Chemicals, unclassified	$\overline{34}$	$\overline{28}$	29	28
Coal	164	<b>214</b>	159	168
Corn	38	9	3	1
Cotton, raw	10	17	5	6
Electrical equipment	8	9	11	9
Fertilizers, miscellaneous and unclassi- fied	3	9	7	13
Flour	56	48	44	37
Grains, unclassified	ő	10	8	7
Iron and steel manufactures	141	157	124	96
Lumber	<b>2</b>	8	1	3
Machinery	69	79	73	54
• Oilseeds and products	2	7	9	5
Paper and paper products	20	<b>24</b>	26	22
Petroleum and products: Fuel-diesel oil	21			
Gasoline	65	72	64	44
Lubricating oil	60	55	$\tilde{64}$	$\hat{45}$
Other and unclassified	· 3	3	5	5
Phosphates	27	16	13	4
Pulpwood	17	4	9	7
Railroad materials	4	34		1
Rice Rubber, manufactured	38 8	$\frac{1}{7}$	$12 \\ 10$	$\frac{3}{7}$
Soda and sodium compounds	18	9	10	4
Soya beans	10	7		-
Tallow	7	6	13	10
Tinplate	15	17	22	14
Vegetable oils, miscellaneous	. 8	32	10	9
Wax, paraffin	17	16	$22_{179}$	22
All other and unclessified	$190 \\ 178$	254	$\begin{array}{c} 178 \\ 189 \end{array}$	92 206
All other and unclassified	178	163	189	206
Total	1, 372	1, 465	1, 295	1, 091

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[Thousands of lor	ng tons]	irrinaca		
		Fiscal	l year	
EAST COAST UNITED STATES TO HAWAIIAN . ISLANDS:	1958	1957	1956	1955
Automobiles and parts	4	4	5	8
Chemicals, unclassified Fertilizers, miscellaneous and unclassi-	5	6	4	5
fied	2	5	10	7
Iron and steel manufactures	30	37	$\tilde{28}$	33
Machinery	5	5	3	6
Paper and paper products	11	11	13	14
Phosphate Soya beans	$\frac{5}{7}$	17	$\frac{3}{4}$	$\frac{1}{3}$
Tinplate	39	$5 \\ 57$	81	3 46
All other and unclassified	62	79	63	87
Total	170	226	214	210
EAST COAST UNITED STATES TO OCEANIA:				
Agricultural implements	22	17	29	27
Automobiles and parts	12	17	$\frac{23}{26}$	26
Carbon black	10	11	13	16
Chemicals, unclassified	8	9	8 .	7
Clay	7	_6	8	6
Coke		71	23	28
Cotton, raw	$\frac{18}{20}$	$19 \\ 17$	$\frac{11}{33}$	12
Iron and steel manufactures Machinery	$\frac{20}{23}$	$\frac{17}{21}$	$\frac{33}{23}$	$\frac{36}{26}$
Petroleum and products:	20	41	20	20
Fuel-diesel oil	1	6	22	3
Gasoline	7	<b>29</b>	36	74
Lubricating oil	111	104	119	120
Other and unclassified	3	7	7	10
Potash	11 10	13     11	$19 \\ 12$	7 9
Rosin Rubber, manufactured	10	13	$12 \\ 10$	$\frac{9}{2}$
Sulfur	190	171	260	$29\tilde{6}$
Tinplate	6	22	18	39
Tobacco and manufactures	21	20	21	22
All other and unclassified	72	60	53	50
Total	571	644	751	816
EAST COAST UNITED STATES TO ASIA:				
Agricultural implements	5	6	4	3
Ammonium compounds	87	194	346	182
Asphalt	28	7	15	9
Automobiles and parts	31	$41 \\ 37$	34	34
Barley Bricks and tile	4	8	3	5
Canned food products	81	86	50	58
Carbon black	13	20	11	9
Clay	7	15	11	5
Chemicals, unclassified	63	54	31	23
Coal and coke Corn	3,676 239	$3,514 \\ 49$	2,802 95	$3,030\ 156$
Cotton, raw	306	$341^{49}$	178	186
Electrical equipment	7	9	15	7
Fertilizers, miscellaneous and unclassi-				
fied	14	42	37	33
Flour	119	129	38	$20_{-87}$
Grains, miscellaneous and unclassified_ Groceries, unclassified	$\begin{array}{c} 6 \\ 19 \end{array}$	$15 \\ 16$	$\frac{29}{8}$	87
crootics, unorassincul	10	10	0	0

[Thousands of lon	ng tons]			
		Fisca	l year	
EAST COAST UNITED STATES TO ASIA-Con.	1958	1957	1956	1955
Iron and steel manufactures	276	482	85	101
Lumber	210	-102	5	9
Machinery	88	71	63	60
Metal, scrap	450	1, 445	491	21
Metals, various	$100 \\ 125$	468	18	11
Oilseeds	13	13	9	12
Paints	4	5	6	6
Paper and paper products	$4\hat{3}$	50	45	47
Petroleum and products:				
Fuel-diesel oil		6	7	1
Gasoline	46	86	28	86
Lubricating oil	131	120	106	60
Other and unclassified	28	37	14	12
Pulpwood	8	11	3	3
Phosphates	1, 132	1, 411	1, 147	957
Potash	3		<b>24</b>	10
Railroad materials	18	10	8	20
Rice	36	<b>265</b>	140	19
Rosin	33	<b>3</b> 6	22	19
Rubber, manufactured	16	19	12	8
Soda and sodium compounds	6	27	10	8
Soybeans	803	682	726	561
Sugar	3	19	17	6
Sulfur	8	14	23	9
Tallow	8	15	19	17
Textiles	28	29	28	40
Tinplate Tobacco and manufactures	74	124	90	65
Wheet	19     84	23	$30 \\ 31$	23 106
WheatAll other and unclassified	$341 \\ 341$	422	345	292
All other and unclassified	0.41	424	040	494
Total	8, 522	10, 478	7, 259	6, 441
10000122222222222222222222222222222222		10, 110	1, 200	
EAST COAST UNITED STATES TO BALBOA,				
C.Z. (No single outstanding commodity				
in this trade route.)				
EAST COAST CANADA TO WEST COAST				
UNITED STATES:				
Ores, various	8	6	12	6
All other and unclassified	6	1	$^{2}$	9
Total	14	7	14	15
EAST COAST CANADA TO WEST COAST				
CANADA:		-	0	0
Chemicals, unclassified		5	$\frac{2}{7}$	6
Iron and steel manufactures	12	11	7	7
Ore, bauxite	12	38	36	6
All other and unclassified	4	6	14	10
Total	28	60	59	29
Total	20			23
EAST COAST CANADA TO WEST COAST SOUTH				
AMERICA:				
Wheat	2			1
All other and unclassified	$\tilde{5}$	$\overline{2}$		6
Total	7	<b>2</b>		7

Table	24.—	-Important	Commodity	Shipments	Over	Principal	Trade
		Routes	-Atlantic to	Pacific-Cor	ntinue	d	

Thousands of long tons]
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	-01	Fisca	l year	
EAST COAST CANADA TO OCEANIA:	1958	1957	1956	1955
Asbestos	12	11	14	23
Automobiles and parts Metals, various	$\frac{5}{8}$	$\frac{7}{10}$	$     \frac{11}{9} $	13 11
Paper and paper products	60	57	50	$67^{11}$
All other and unclassified	14	19	19	19
Total	99	104	103	133
EAST COAST CANADA TO ASIA:				
Ammonium compounds	2		9	9
Asbestos	31	35	$2\overline{7}$	16
Iron and steel manufactures	$13 \\ 72$	$27_{$		
Metal, iron Metal, scrap	$\begin{array}{c} 70\\ 26 \end{array}$	50 11	0	
Oilseeds		8	17	32
Ore, iron		9		
Paper and paper products	8	7	11	7
Slag All other and unclassified		$21 \\ 19$	$15 \\ 17$	
An other and unclassified			17	16
Total	187	187	98	80
EAST COAST CENTRAL AMERICA/MEXICO TO WEST COAST CENTRAL AMERICA/MEXICO. (No single outstanding commodity in this trade route.) EAST COAST CENTRAL AMERICA/MEXICO				
TO OCEANIA:	10	50	40	
Sulfur	48	56		
All other and unclassified				
Total	48	56	43	
EAST COAST CENTRAL AMERICA/MEXICO TO ASIA. (No single outstanding commodity in this trade route.) EAST COAST SOUTH AMERICA TO WEST COAST UNITED STATES:				
Asphalt	18			
Bones and bonemeal	10	6	3	8
Canned meat	4	5	6	4
Coffee	<b>28</b>	50	53	$20 \\ 4$
Oilseeds Ores:				4
Bauxite	26	20	22	23
Other and unclassified		2	3	
Petroleum and products:	1 014	1 00 5	1 100	1.0.4
Crude oil	1, 614	1,235	$1,180 \\ 22$	164
All other and unclassified	11	$\overline{22}$	15	10
Total	1, 711	1, 340	1, 304	233
Even Cover Server Avenue, as Wines				

EAST COAST SOUTH AMERICA TO WEST COAST CANADA. (No single outstanding commodity in this trade route.)

[Thousands of long tons]				
EAST COAST SOUTH AMERICA TO WEST .		Fiscal	year	
COAST CENTRAL AMERICA/MEXICO:	1958	1957	1956	1955
Asphalt	17	23	18	18
Cement	3		1	1
Petroleum and products:				
Crude oil				10
Fuel-diesel oil	109	64	57	49
Gasoline	1	33	9	
All other and unclassified	2		1	
Total	132	120	86	78
EAST COAST SOUTH AMERICA TO WEST				
COAST SOUTH AMERICA:				
Petroleum and products:			0.70	1 70
Crude oil	328	443	350	158
Fuel-diesel oil	398	252	396	239
Gasoline	134 $49$	17		18
Kerosene	49	16	23	
Lubricating oil	14	10	12	11
Salt Sugar	5	12		10
All other and unclassified	20	14	19	27
Total	948	774	800	463
EAST COAST SOUTH AMERICA TO OCEANIA:				
Petroleum and products: Crude oil	63	150	61	59
Fuel-diesel oil	16	100	01	00
Gasoline	10	11		15
Lubricating oil	30	41	29	37
All other and unclassified	4	10		
Total	113	212	90	111
EAST COAST SOUTH AMERICA TO ASIA:			5	14
Beans, edible	21	19	0	14
Corn	$\frac{21}{16}$	20	13	19
Cotton, raw Metal, iron	2	39	25	10
Ores:	~	00		
Bauxite	5	5	10	5
Iron	108	110	15	$\tilde{2}$
Petroleum and products:				
Crude oil	13			
Gasoline	23			
Soya beans		2	15	3
Sugar	22		36	73
Wheat			6	17
Wool           All other and unclassified	$\begin{array}{c} 6\\ 26\end{array}$	8	$11 \\ 12$	10 7
An other and unclassified		30		
Total	242	233	148	151
			<del></del>	

EAST COAST SOUTH AMERICA TO BALBOA, C.Z.:	Fiscal year			
Petroleum products:	1958	1957	1956	1955
Fuel-diesel oil	69	36	9	17
Gasoline		12	9	9
Lubricating oil	7	16		
Other and unclassified			1	1
All other and unclassified	4	6	5	
Total	80	70	<b>24</b>	27
WEST INDIES TO WEST COAST UNITED STATES:			00	50
Molasses			23	52
Ore, bauxite		5	6	
Petroleum products: Crude oil	107	124	137	131
Fuel-diesel oil	15	124	107	101
Gasoline	333	49		
Salt	11	10		64
Sugar	$\tilde{92}$	5		ĩ
All other and unclassified	25	$\tilde{5}$	8	$\tilde{5}$
Total	583	188	174	253
West Indies to West Coast Canada:				
Ore, bauxite	278	239	134	102
Sugar All other and unclassified	10	8	20	22
All other and unclassified	11		1	1
Total	<b>299</b>	247	155	125
Wess Istante as Wass Course Courses				
WEST INDIES TO WEST COAST CENTRAL				
AMERICA/MEXICO:				
Petroleum and products: Crude oil	2	33	4	20
Fuel-diesel oil	$21\tilde{1}$	157	$16\overline{4}$	102
Gasoline	$\tilde{2}30$	155	170	143
Kerosene	60	46	45	36
Lubricating oil	6	30	$\tilde{20}$	
Other and unclassified	4	18	22	4
All other and unclassified	4	3	5	1
Total	517	442	430	306
WEST INDIES TO WEST COAST SOUTH				
AMERICA:	0			
Asphalt	3	6		
Petroleum and products:		1.0		15
Crude oil	075	16	509	$\begin{array}{c} 15\\594\end{array}$
Fuel-diesel oil	375 $68$	$\begin{array}{c} 540 \\ 122 \end{array}$	509     191	$\frac{594}{252}$
Gasoline Kerosene	57	$\frac{122}{59}$	118	252 92
Lubricating oil	5	32	20	52 14
Other and unclassified	18	33	$\tilde{20}$	$45^{11}$
Sugar	2	52	$\overline{75}$	46
All other and unclassified	$\overline{2}$	3		- 8
Total	530	863	933	1, 066

	5 001153	Fiscal	year	
WEST INDIES TO BALBOA, C.Z.:	1958	1957	1956	1955
Petroleum and products:	188	146	150	116
Fuel-diesel oil Gasoline	117	$\overline{71}$	120	60
Kerosene	$\hat{25}$	16	16	9
Lubricating oil	7	16		
Other and unclassified		30		17
All other and unclassified	1			
			200	202
Total	338	279	286	202
WEST INDIES TO OCEANIA:				
Asphalt	29	43	34	44
Petroleum and products:				~ 0
Crude oil			66	53 18
Fuel-diesel oil	61	26	$12 \\ 60$	125
Gasoline	164	81	30	123
Lubricating oil	32	$\frac{14}{8}$	50	10
Other and unclassified	$1 \\ 12$	8	6	5
All other and unclassified	14			
Total	299	180	208	263
WEST INDIES TO ASIA:				
Metal. scrap	51	5	4	
Petroleum and products:				11
Crude oil	11	$\frac{1}{22}$		15
Fuel-diesel oil		$\frac{22}{24}$	34	48
Gasoline	6	$\frac{24}{35}$	3	10
Ore, bauxite	510	768	628	351
Sugar	13	.00	3	3
All other and unclassified				
Total	591	861	672	428
EUROPE TO WEST COAST, UNITED STATES:			477	37
Ammonium compounds	26	$\frac{36}{71}$	47	21
Automobiles and parts	96	71	349	6
Canned food products	7	10	9 11	5
Cement	9 23	10	$11 \\ 16$	15
Chemicals, unclassified	$\frac{23}{2}$	18	10	9
Clay	$2\dot{0}$	25	28	28
Creosote	20	20	-0	
Fertilizers, miscellaneous and unclas- sified	35	28	54	60
Glass and glassware	29	31	37	23
Groceries	6	5	5	5
Iron and steel manufactures	138	152	106	120
Liquors and wines	31	27	25	24
Lumber	3	5	6	5 7
Machinery	11	13	13	
Molasses				12 10
Ore, copper		106		35
Paper and paper products	45	$106 \\ 5$	7	00
Peat moss	$\frac{5}{1}$	7	1	1
Soda	3	4	6	$\overline{7}$
Woodpulp All other and unclassified	$142^{-3}$	121	100	95
All other and unclassified				
Total	632	677	598	525

[1 housands of for	Fiscal year			
EUROPE TO WEST COAST CANADA:	1958	1957	1956	1955
Asphalt	13	12		
Automobiles and parts	13	$13^{-1}$	12	6
Chemicals, unclassified	4	-6	10	9
Clay	$\hat{5}$	3	5	$\tilde{2}$
Creosote	10	$1\ddot{2}$	$\tilde{5}$	$\overline{\overline{5}}$
Glass and glassware	13	10	14	8
Iron and steel manufactures	102	241	185	98
Liquors and wines	102	10	105	6
	7	8	7	5
Machinery	· ·	12	1	0
Metal, copperAll other and unclassified	81	$\overline{67}$	64	58
All other and unclassified				
Total	257	394	310	197
EUROPE TO WEST COAST CENTRAL AMER-				
ICA/MEXICO:				
Ammonium compounds	45	27	13	6
Canned food products	6	7	- 8	3
Cement	53	60	74	104
Chemicals, unclassified	8	10	11	9
Fertilizers, miscellaneous and unclas-	0	10	11	0
	53	35	27	27
sified	47	57	57	46
Iron and steel manufactures		7		40
Paper and paper products	6		5	_
All other and unclassified	16	15	5	6
All other and unclassified	69	61	39	56
Total	303	279	239	261
EUROPE TO WEST COAST SOUTH AMERICA:				
	5	5	5	8
Agricultural implements	20	12	12	12
Ammonium compounds	$\frac{20}{12}$	$12 \\ 12$	12	12
Automobiles and parts			-	
Canned food products	22	25	16	25
Cement	48	99	80	41
Chemicals, unclassified	61	38	39	36
Electrical equipment	12	13	12	11
Fertilizers, miscellaneous and unclas-	20	00	-	0
sified	39	22	5	8
Glass and glassware	16	11	18	12
Grains, unclassified	$\underline{6}$	6	4	7
Groceries, unclassified	7	7	6	4
Iron and steel manufactures	157	195	226	195
Machinery	47	51	50	42
Metal, iron	18	13	7	18
Oils, vegetable	2	2	2	5
Paper and paper products	38	42	38	34
Phosphates	39	24	26	20
Potash	13	4	2	
Railroad materials	13	9	17	5
Soda and sodium compounds	11	14	18	10
Textiles	6	6	$\ddot{6}$	5
Wax, paraffin	Ğ	7	$\tilde{5}$	4
Woodpulp	17	24	28	17
All other and unclassified	147	139	$1\bar{3}4$	135
Total	762	780	765	667

[Thousands of long tons] Fiscal year EUROPE TO HAWAHAN ISLANDS: Ammonium compounds\_\_\_\_\_ ----\_ \_ \_ \_ \_ \_ \_ \_ \_ Fertilizers, miscellaneous and unclas- $\mathbf{2}$ sified\_\_\_\_\_All other and unclassified\_\_\_\_\_ Total\_\_\_\_\_ \_\_\_\_\_ EUROPE TO OCEANIA: Agricultural implements\_\_\_\_\_ Asphalt\_\_\_\_\_ Ammonium compounds\_\_\_\_\_ Automobiles and parts\_\_\_\_\_ Cement\_\_\_\_\_ Chemicals, unclassified\_\_\_\_\_ Coke\_\_\_\_\_ Electrical equipment Fertilizers, miscellaneous and unclassi-fied\_\_\_\_\_ Floor coverings..... Glass and glassware\_\_\_\_\_ Iron and steel manufactures\_\_\_\_\_ Liquors and wines\_\_\_\_\_ Machinery\_\_\_\_\_ Metal, iron Paper and paper products\_\_\_\_\_ Petroleum and products: Fuel-diesel oil Gasoline\_\_\_\_\_ Lubricating oil Other and unclassified Potash Railroad materials\_\_\_\_\_ Salt\_\_\_\_\_ Slag Soda and sodium compounds\_\_\_\_\_ Textiles\_\_\_\_\_ Tinplate\_\_\_\_\_ Vegetable oils\_\_\_\_\_  $\mathbf{5}$ Woodpulp\_\_\_\_\_ All other and unclassified Total\_\_\_\_\_ 1,074 1, 185 \_\_\_\_ \_\_\_\_\_ EUROPE TO ASIA: Ammonium compounds  $\mathbf{2}$  $\mathbf{2}$ Chemicals, unclassified Iron and steel manufactures\_\_\_\_\_  $\mathbf{2}$  $\overline{2}$ Machinery\_\_\_\_\_ Metal, iron . .. . Metal, scrap Phosphates\_\_\_\_\_ Potash\_\_\_\_\_ Soda\_\_\_\_\_ Sugar\_\_\_\_\_ All other and unclassified Total..... \_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Thousands of long tons]					
	Fiscal year				
ASIA TO WEST COAST UNITED STATES:	1958	1957	1956	1955	
Ores, copper	21	51	20		
Petroleum and products: Crude oil	75	26	133	111	
All other and unclassified	8	5	7	5	
Total	104	82	160	116	
AFRICA TO WEST COAST UNITED STATES:					
Asbestos	8	8	6	5	
Coffee	14	12	$10^{-10}$	4	
Ore, chromeAll other and unclassified	30	$\frac{49}{5}$	39	16	
All other and unclassified	10	9	16	12	
Total	62	74	71	37	
AFRICA TO WEST COAST SOUTH AMERICA:					
Cotton, raw				1	
Phosphates	16	2	32	32	
Tetal	16	2	32	33	
Total	10				

## Table 25.—Important Commodity Shipments Over Principal Trade Routes—Pacific to Atlantic

	Fiscal year			
West Coast United States to East Coast United States:	1958	1957	1956	1955
Beans	10	9	8	15
Borax	4	4		4
Canned food products	481	$479^{-}$	540	$53\bar{4}$
Chemicals, unclassified	125	79	61	54
Fruit, dried	58	56	62	72
Groceries, unclassified	7	3	3	8
Iron and steel manufactures	3	12	14	8
Lumber	1,285	1,382	1,610	1, 387
Machinery	2	7	4	. 9
Metals:				
Lead	5	4	17	19
Other and unclassified	13	7	3	4
Ores:				
Magnesite	10	11	10	5
Other and unclassified	1	1	15	2
Paper and paper products	48	47	39	37
Petroleum and products:	-			-
Crude oil	79		47	79
Fuel-diesel oil	201	18	1, 138	858
Gasoline	19	11	<u>6</u>	7
Lubricating oil	$61 \\ 00$	55	57	79
Other and unclassified	99	106	121	66
	$11 \\ 12$	9 9	10	7 12
Seeds, except oilseeds	$12 \\ 12$	9	10	$12 \\ 13$
Vegetable oils Wines	$\frac{12}{59}$	33	50	$52^{-15}$
Woodpulp		$\frac{33}{72}$	62	84
Wool	$\frac{50}{2}$	4	3	4
All other and unclassified	$67^{2}$	$6\overline{2}$	67	86
an other and anotassificul				
Total	2,770	2, 480	3,956	3, 505-
	_,	_, 100		

#### PANAMA CANAL COMPANY

#### Table 25.—Important Commodity Shipments Over Principal Trade Routes—Pacific to Atlantic—Continued

Fiscal year WEST COAST UNITED STATES TO EAST COAST CANADA: Canned food products\_\_\_\_\_ Lumber\_\_\_\_\_ -Petroleum and products: Fuel-diesel oil All other and unclassified Total\_\_\_\_\_ -----\_\_\_\_ \_ WEST COAST UNITED STATES TO EAST COAST SOUTH AMERICA: Borax\_ \_\_\_\_\_ Canned food products\_\_\_\_\_ Chemicals, unclassified Iron and steel manufactures Lumber Machinery\_\_\_\_\_ Paper and paper products\_\_\_\_\_  $1\overline{2}$ Peas, dry\_\_\_\_\_ Petroleum and products: Lubricating ----oil\_\_\_ Soda and sodium compounds\_\_\_\_\_ Wheat\_\_\_\_\_ Woodpulp\_\_\_\_\_ All other and unclassified Total \_\_\_\_ \_\_\_\_\_ WEST COAST UNITED STATES TO CRISTOBAL. C.Z.: Petroleum and products: Fuel-diesel oil\_ All other and unclassified Total \_\_\_\_ \_\_\_\_ \_\_\_\_ \_ WEST COAST UNITED STATES TO WEST INDIES: Beans, edible\_\_\_\_\_ Canned food products\_\_\_\_\_ Flour\_. Iron and steel manufactures\_\_\_\_\_ Lumber\_\_\_\_\_ Paper and paper products\_\_\_\_\_ Petroleum and products: Fuel-diesel oil  $\mathbf{2}$ Gasoline\_\_\_\_\_ - -- --- - -- -Kerosene  $\overline{2}$ Other and unclassified Rice\_\_\_\_\_ Vegetables, dry\_\_\_\_\_ Wheat\_\_\_\_\_ \_\_\_\_\_ All other and unclassified Total\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

#### FINANCIAL REPORT AND STATISTICAL DATA

[Thousands of lon	[Thousands of long tons] Fiscal year			
	1958	1957	1956	1955
WEST COAST UNITED STATES TO EUROPE:	309	66	911	1355
Barley Beans, edible	308	13	3	140
Borax	139	145	147	139
Canned food products	139	117	111	73
Chemicals, unclassified	9	10	6	10
Corn	1 109	108	22	110
Cotton, raw Flour	103 $16$	$\frac{116}{19}$	71 14	118     16
Fruit, dried	78	83	84	59
Fruit. fresh	147	126	147	93
Grains, unclassified	11	2	15	10
Honey	5	4	4	6
Infusorial earth	15	16 $4$	77	
Iron and steel manufactures Lumber	$16 \\ 101$	$125^{4}$	109	$1 \\ 95$
Machinery	8	3	6	5
Metals:	Ŭ	Ŭ	Ŭ	Ŭ
Copper	<b>26</b>	27	47	49
Other and unclassified	13	7	6	6
Metal, scrap	80	$\frac{29}{7}$	$\frac{3}{23}$	81
Oats Oilseeds	$27 \\ 1$	8	$\frac{23}{27}$	3 82
Ores, various	10	12	$\frac{21}{22}$	$12^{02}$
Peas. dry	15	$\overline{22}$	1	$\tilde{24}$
Petroleum and products: Fuel-diesel				
oil	28		107	107
Seeds, except oilseeds	14 8	15	$10 \\ 3$	15
Skins and hides Tallow	0 4	6     11	5 6	$6\\4$
Vegetable oils	î	19	ĭ	93
Wheat	$5\overline{4}$	946	$6\overline{2}$	41
Woodpulp	52	34	28	55
All other and unclassified	102	85	89	89
Total	1, 535	2, 175	2, 099	1, 456
WEST COAST UNITED STATES TO ASIA:				
Barley	19		28	
Wheat		29	$\overline{25}$	
All other and unclassified	9	1	5	2
Total	28	30	58	2
WEST COAST UNITED STATES TO AFRICA:	3	3	8	1
Iron and steel manufactures	48	27	60	135
Lumber Paper and paper products	40 9	3	7	8
Wheat	8	40	1	
All other and unclassified	16	23	31	36
Total	84	96	107	180
	======			

#### Table 25.—Important Commodity Shipments Over Principal Trade Routes—Pacific to Atlantic—Continued

#### PANAMA CANAL COMPANY

# Table 25.—Important Commodity Shipments Over Principal Trade Routes—Pacific to Atlantic—Continued

[Thousands of lon	g tons]	Final		
WEST COAST CANADA TO EAST COAST		Fiscal	year	
UNITED STATES:	1958	1957	1956	1955
Lumber	459	297	392	461
Paper and paper products	9	8	8	11
Woodpulp All other and unclassified	15			11
All other and unclassified				4
(T) - 4 - 1	483	305	400	477
Total	400		400	711
WEST COAST CANADA TO EAST COAST				
CANADA:				
Canned food products		1	1	4
Lumber Petroleum and products: Gasoline	12	6	11	13
Petroleum and products: Gasoline	2		60	77
All other and unclassified	Z		4	1
Total	14	7	76	95
WEST COAST CANADA TO EAST COAST				
South America:				
Lumber	29	30	16	6
Wheat	$\overline{10}$			21
All other and unclassified	20	7	15	20
Tretal.				
Total	59	37	31	47
WEST COAST CANADA TO WEST INDIES:				
Flour	15	15	23	14
Lumber	88	53	53	47
Wheat			4	29
All other and unclassified	7	5	5	8
Total	110	73	85	98
	======			
WEST COAST CANADA TO EUROPE:				
Asbestos	10	7	7	
Barley	380	375	141	238
Canned food products Flour	8 7	8 14	$12 \\ 31$	16
Fruit, fresh	9	8	13	18
Grains, unclassified	53	6	19	$\frac{10}{20}$
Lumber	808	518	799	1, 202
Metals:				
Aluminum	44	25		
Lead	$\begin{array}{c} 41 \\ 63 \end{array}$	44	38	49
Zinc Other and unclassified	03 4	$\frac{58}{2}$	$54 \\ 4$	75 6
Oats	24	4	4	59
Oilseeds	138	$5\hat{2}$		
Ores:				
Iron	<b>2</b>	4	99	5
Magnesite	20	20	10	29
Other and unclassified Paper and paper products	$\frac{20}{22}$	20 7	$\frac{29}{5}$	29 2
Wheat	1, 788	1, 448	1, 194	992
Woodpulp	94	110	1117	171
All other and unclassified	76	$\overline{26}$	33	35
Total	2 501	9.790	0.000	0.017
Total	3, 591	2, 736	2,609	2, 917

#### FINANCIAL REPORT AND STATISTICAL DATA

[Thousands of long tons] Fiscal year				
WEST COAST CANADA TO ASIA:	1958	1957	1956	1955
Wheat	10	45	19	70
All other and unclassified	8		1	
Total	18	45	20	70
WEST COAST CANADA TO AFRICA:				
Lumber	264	$234 \\ 4$	248	233
Machinery Wheat	25	47	155	$\frac{8}{154}$
All other and unclassified	$\tilde{12}$	ii	12	9
Total	301	296	415	404
WEST COAST CENTRAL AMERICA/MEXICO				
TO EAST COAST UNITED STATES:				
Bananas	337	203	283	324
Coffee	$\frac{23}{9}$	$\frac{22}{7}$	$\frac{24}{10}$	$\frac{33}{15}$
Lumber Ores:	9	1	10	10
Iron	3	18	12	5
Manganese	102	106	45	
Sugar All other and unclassified	11	6	2	7
All other and unclassified	10	14	9	9
Total	495	376	385	393
WEST COAST CENTRAL AMERICA/MEXICO TO		·		
EAST COAST CENTRAL AMERICA/MEXICO:				
Wheat	3	3	2	10
All other and unclassified		14	2	11
Total	3	17	2	21
WEST COAST CENTRAL AMERICA/MEXICO TO				
EAST COAST SOUTH AMERICA. (No single				
outstanding commodity in this trade				
route.) West Coast Central America/Mexico to				
CRISTOBAL, C.Z.:				
Coffee	7	13	7	12
Cotton, raw	9	21	31	8 1
Lumber	1	$\frac{5}{1}$	$\frac{4}{1}$	$\frac{1}{2}$
Oilseeds All other and unclassified	4	$\frac{1}{5}$	$\hat{2}$	$\frac{1}{4}$
Total	22	45	45	27
WEST COAST CENTRAL AMERICA/MEXICO				
TO WEST INDIES:				
Beans, edible	11	5	12	8
Peas, dry All other and unclassified		1	1	2
All other and unclassified	4	3	6	1
Total	15	9	19	11
		=		

#### Table 25.—Important Commodity Shipments Over Principal Trade Routes—Pacific to Atlantic—Continued

#### PANAMA CANAL COMPANY

## Table 25.—Important Commodity Shipments Over Principal Trade Routes—Pacific to Atlantic—Continued

[Thousands of long tons]				
When Course Courses AMERICA (MENICO	Fiscal year			
WEST COAST CENTRAL AMERICA/MEXICO TO EUROPE:	1958	1957	1956	1955
Coffee	40	38	33	18
Cotton, raw	63	38	105	46
Lumber	8	4	9	_6
Oilseeds All other and unclassified	$\frac{28}{26}$	$65 \\ 20$	78	55
All other and unclassified	20	20	18	18
Total	165	165	243	143
100001222222222222222222222222222222222				======
West Coast South America to East Coast				
UNITED STATES:	4 1	100	FOF	170
Bananas Beans, edible	$477 \\ 3$	$468 \\ 4$	505	$\begin{array}{c} 476 \\ 6 \end{array}$
Canned food products	7	8	8	8
Chemicals, unclassified	4	12	6	4
Cocoa	15	13	13	21
Coffee	192	178	203	185
Cotton, raw	6	2	6	7
Fertilizers, miscellaneous and unclassi- fied	22	6	9	4
Fruit, fresh	11	9	8	9
Iron and steel manufactures	$\hat{21}$	1	$\tilde{2}$	
Lumber	15	$\overline{5}$	3	2
Metals:	100	2.12	100	
Copper	192	242	193	206
Lead	$46 \\ 20$	30 31	$25 \\ 8$	$25 \\ 5$
Zinc Other and unclassified	20	2	3	1
Molasses	30	30	27	19
Nitrate of soda	469	468	495	597
Oilseeds	1		4	3
Ores:	2	3	3	3
Antimony Copper	24	19	29	36
Iron	5, 294	3,981	$3, 0\overline{25}$	2,978
Lead	31	22	38	18
Manganese	46	33	26	24
Tin	$11 \\ 92$	$\begin{array}{c} 11\\113\end{array}$	$\begin{array}{r} 24 \\ 126 \end{array}$	37
Zinc Other and unclassified	92 13	80	48	$\begin{array}{c}111\\23\end{array}$
Sugar	$\frac{13}{67}$	46	48	<b>62</b>
Vegetables, dry	2	$\tilde{5}$	3	2
Wool	$^{2}$	4	3	3
All other and unclassified	184	62	1	3
Total	7,292	5, 888	4,897	4,878
10041	1, 252	J, 000	-, 051	4,010
West Coast South America to East Coast				
CANADA:				
Ore, iron			10	9
All other and unclassified	1	1		
Total	1	1	10	9
West Coast South America to East Coast				
CENTRAL AMERICA/MEXICO:	10	0	0	
Nitrate of soda All other and unclassified	$10 \\ 2$	$\frac{2}{3}$	$\frac{2}{3}$	
An other and unclassified			0	
Total	12	5	5	
				======

[Thousands of lor	ng tons]	Fiscal	vear	
West Coast South America to East Coast				
South America:	1958	1957	1956	1955
Chemicals, unclassified	$\frac{4}{5}$	1	12	77
Ore, miscellaneous Petroleum and products:	9	12	9	7
Fuel-diesel oil		51	27	
Gasoline		15	4	3
Rice	18			1
Sugar           All other and unclassified	10	12	8	18
All other and unclassified	23	6	8	19
Total	60	97	68	55
West Coast South America to Cristobal,				
C. Z.:				
Coffee	7	3	1	2
Petroleum and products: Fuel oil		31		
All other and unclassified		7	11	7
Total	7	41	12	9
WEST COAST SOUTH AMERICA TO WEST				
Indies:				
Nitrate of soda	6	14	16	19
Petroleum and products: Fuel-diesel				
oil		21	18	9
All other and unclassified	26	17	10	7
Total	32	52	44	35
WEST COAST SOUTH AMERICA TO EUROPE:				
Ammonium compounds	10	105	12	11
Bananas Beans, edible	$268 \\ 13$	$\frac{195}{14}$	$\begin{array}{r}148\\15\end{array}$	$\begin{array}{c}138\\16\end{array}$
Canned food products	4	10	10	6
Cocoa	$\overline{7}$	18	6	5
Coffee	42	31	43	27
Cotton, raw	66	77	67	47
Fertilizers, miscellaneous and unclassi-	63	34	25	0
fied Fruit, fresh (except bananas)	18	$\frac{34}{10}$	20 8	$9 \\ 10$
Lumber	10	2	4	8
Metals:				
Copper	247	230	186	197
Lead	24	28	29	32
Zinc Other and unclassified	$\frac{14}{3}$		$\frac{8}{2}$	9 5
Metal, scrap	4	$2\overline{1}$	8	1
Nitrate of soda	$50\overline{2}$	$3\overline{73}$	543	$56\overline{2}$
Oil, whale	1	25		37
Oilseeds	47	36	39	43
Ores: Copper	52	66	53	63
Iron	1,064	1,009	580	125
Lead	2	8	16	14
Manganese	6	4	6	7
Tin	68	53	50	44
Zinc Other and unclassified	49 9	99 8	122 12	91 20
other and unbrassined	9	0	14	20

#### Table 25.—Important Commodity Shipments Over Principal Trade Routes—Pacific to Atlantic—Continued

#### PANAMA CANAL COMPANY

#### Table 25.—Important Commodity Shipments Over Principal Trade Routes—Pacific to Atlantic—Continued

[Thousands of long tons]

[Thousands of lor	ig tons]	Fisca	l year	
WEST COAST SOUTH AMERICA TO EUROPE-	1958	1957	1956	1955
Continued Peas, dry	6	11	8	3
Petroleum and products:	101	220	1.0	
Crude oil Fuel-diesel oil	$124 \\ 1$	$239 \\ 6$	$\begin{array}{c}140\\38\end{array}$	$\begin{array}{c} 128 \\ 50 \end{array}$
Rice	8	8	8	6
Sugar	62	$\begin{array}{c} 123 \\ 12 \end{array}$	$\tfrac{120}{25}$	$\frac{60}{35}$
Sulfur Vegetables, dry	13	12	20 14	13
Wines	2	4	8	$6 \\ 2$
WoolAll other and unclassified	$\frac{4}{124}$	$10 \\ 33$	$\begin{array}{c} 6\\ 37\end{array}$	30
The second se	0.000	0.010		
Total	2, 932	2, 810	2, 396	1, 860
WEST COAST SOUTH AMERICA TO ASIA:				
Petroleum and products: Fuel-diesel			15	
Nitrate of soda	58		110	10
Sugar	10	10	16	10
Total	68	10	141	20
BALBOA, C.Z., TO WEST INDIES. (No single outstanding commodity in this trade				
route.)				
BALBOA, C.Z., TO EUROPE. (No single out-				
standing commodity in this trade route.) HAWAHAN ISLANDS TO EAST COAST UNITED				
STATES:	911	904	210	20.4
Canned fruit Metal, scrap	311 4	$294 \\ 5$	319 6	324 $6$
Molasses	16			32
Sugar All other and unclassified	$\begin{array}{c} 112 \\ 12 \end{array}$	226 $15$	303 25	$\begin{array}{c} 267 \\ 15 \end{array}$
Total	455	540	653	644
HAWAIIAN ISLANDS TO CANADA: Canned				
fruit	9			6
HAWAHAN ISLANDS TO EUROPE:				
Canned fruit	37	36	19	9
All other and unclassified	15	15		
Total	- 52	51	19	9
OCEANIA TO EAST COAST UNITED STATES:				
Dairy products, refrigerated	10	9	6	6
Meats, refrigerated	43	8	4	4
Iron		2		
Lead	- 65	83	44	44
Other and unclassified Ores:	3	10	3	4
Chrome	67	34	56	8
Manganese Zinc	28	11	$-\frac{9}{27}$	6
Other and unclassified	55	45	$\frac{1}{2}$	14

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[Thousands of lon	g tons]			
		Fiscal	y ear	
OCEANIA TO EAST COAST UNITED STATES-	1050	1050	1050	1055
Continued	1958	1957	1956	1955
Sand	5	38	39	26
Skins and hides	14	15	19	15
WoolAll other and unclassified	$\begin{array}{c} 43\\18\end{array}$	$\frac{41}{33}$	59 17	55 16
All other and unclassified			17	10
Total	351	329	285	198
OCEANIA TO EAST COAST CANADA:				
Fruit, dried	11	11	12	13
Meats, refrigerated	12	6	8	3
Sugar	126	104	92	90
Wool	4	6	10	7
All other and unclassified	11	9	18	14
Total	164	136	140	127
OCEANIA TO WEST INDIES:				
Canned food products	6	8	6	5
	2	7	$\overset{0}{2}$	2
Flour Meats, refrigerated	10	8	$\tilde{\overline{7}}$	11
All other and unclassified	15	15	11	9
Total	33	38	26	27
OCEANIA TO EUROPE:				
Barley				1
Canned food products	56	80	42	49
Copra	87	144	96	78
Dairy products, refrigerated	238	265	224	216
Fruit, fresh	37	46	30	20
Meats, refrigerated	279	474	336	285
Metals:	7	00	~	0
Lead	4	26	5	8
Zinc Other and unclassified	6	17 3	4	3
	8	13	$10^{4}$	5
Metal, scrap Ores:	0	10	10	0
Chrome		2	19	6
Zinc	12	$1\overline{9}$	$\tilde{2}$	3
Other and unclassified	-3	79	$1\overline{2}$	3
Peas, dry	5	6	4	5
Phosphates	79	109	99	150
Seeds, except oilseeds	8	18	5	9
Skins and hides	25	31	19	19
Sugar	94	218	43	46
Tallow	27	32	33	21
Vegetable oil, coconut	26	29	20	25
Wheat		15	11	
Wool	$\begin{array}{c} 167 \\ 44 \end{array}$	$\begin{array}{c} 246 \\ 96 \end{array}$	$150 \\ 29$	$\begin{array}{c}146\\39\end{array}$
All other and unclassified			49	
Total	1, 208	1, 968	1, 197	1, 144

## Table 25.—Important Commodity Shipments Over Principal Trade Routes—Pacific to Atlantic—Continued

### Table 25.—Important Commodity Shipments Over Principal Trade Routes—Pacific to Atlantic—Continued

	Fiscal year			
ASIA TO EAST COAST UNITED STATES:	1958	1957	1956	1955
Canned food products	70	94	72	50
Chemicals, unclassified	6	5	5	8
Copra	41	69	82	89
Fibers, miscellaneous and unclassified.	5	6	5	3
Fish, refrigerated	7	7 10	6 6	5 8
Groceries, unclassified	9 19	$\frac{10}{23}$	20	16
Hemp, unmanufactured Iron and steel manufactures	39	19	46	41
Lumber	118	118	137	85
Machinery	12	8	12	9
Metal, scrap				1
Metals, various	18	20	13	9
Molasses				16
Ores:	305	417	512	325
Chrome Iron	$\frac{505}{2}$	12	33	23
Manganese	$4\overline{8}$	43	49	27
Tin	$\widetilde{6}$	-3	9	7
Other and unclassified	10	3	7	4
Porcelainware	60	55	48	40
Rubber, crude	106	115	102	120
Sugar	577		$791 \\ 51$	714
Textiles	49	39	51	00
Vegetable oils: Coconut	71	84	68	63
Other and unclassified	3	$\tilde{2}$	2	2
All other and unclassified	251	241	205	181
	1 000	0.000	0.001	1 970
Total	1,832	2,086	2, 281	1, 879
ASIA TO EAST COAST SOUTH AMERICA:				
Chemicals, unclassified	4	3	2	6
Copra	76	75	75	75
Iron and steel manufactures	53	55	158	134
Machinery	6	4	3 17	47
Metal, iron Tinplate	8	15	6	'
All other and unclassified	4	41	45	21
Total	151	193	306	247
ASIA TO CRISTOBAL, CANAL ZONE. (NO				
single outstanding commodity in this				
trade route.)				
ASIA TO WEST INDIES:				
Iron and steel manufactures	4	3	2	12
Petroleum and products:	0	0.0		
Gasoline	8	36		5 5
Other and unclassified	23	26	18	13
Total	35	65	20	35

	Fiscal year			
ASIA TO EUROPE:	1958	1957	1956	1955
Canned food products		35	11	5
Copra		8		
Fertilizers, miscellaneous and unclassi-	1	4	۲	
fied Iron and steel manufactures	1	4	57	1
Lumber	13	43	36	13
Porcelainware	$\frac{10}{2}$	5	$\overset{\circ\circ}{2}$	1
Textiles	5	21	4	3
All other and unclassified	38	59	33	28
		170		
Total	60	179	98	51
ASIA TO AFRICA:				
Iron and steel manufactures		6	13	8
Textiles	2	17	16	6
All other and unclassified	1	11	14	4
	3			10
Total	3	34	43	18
ANTARCTICA (WHALING GROUNDS) TO EAST				
COAST UNITED STATES:				
Whale oil	8		8	$^{2}$
All other and unclassified				
<b>771</b> + 1				
Total	8		8	2
ANTARCTICA (WHALING GROUNDS) TO EU-				
ROPE:				
Whale oil	74	35	35	37
All other and unclassified				
Total	74	35	35	37
10081	14	00	00	01

#### Table 25.—Important Commodity Shipments Over Principal Trade Routes—Pacific to Atlantic—Continued [Thousands of long tons]

#### PANAMA CANAL COMPANY

	Fiscal year 1958			
Commercial (tolls paying): Number of transits: Assessed on net tonnage Assessed on displacement ton- nage	Atlantic to Pacific 418	Pacific to Atlantic 332	Total 750	- Fiscal year 1957 899 9
Total transits	418	332	750	908
Panama Canal net tonnage Displacement tonnage	30, 405	28, 509	58, 914	83, 475 3, 135
Tolls Cargo (long tons)	\$23, 379 6, 503	\$24, 240 12, 207	\$47, 619 18, 710	\$69, 468 25, 295
Government (tolls credit): Number of transits:				
Assessed on net tonnage Assessed on displacement ton-	86	124	210	222
nage	61	66	127	159
Total transits	147	190	337	381
Panama Canal net tonnage Displacement tonnage Tolls Cargo (long tons)	7, 116 5, 718 \$8, 916	8, 815 4, 597 \$9, 456	15, 931 10, 315 \$18, 372	19, 992 10, 926 \$22, 649 167
Combined commercial/Government: Number of transits:				
Assessed on displacement ton-	504	456	960	1, 121
nage	61	66	127	168
Total transits	565	522	1, 087	1, 289
Panama Canal net tonnage Displacement tonnage Toils collected or credited Cargo (long tons)	37, 521 5, 718 \$32, 295 6, 503	$\begin{array}{r} 37, 324 \\ 4, 597 \\ \$33, 696 \\ 12, 207 \end{array}$	74, 845 10, 315 \$65, 991 18, 710	103, 467 14, 061 \$92, 117 25, 462

#### Table 26.—Small Vessels 1 Transiting Canal

<sup>1</sup> Includes vessels under 300 net tons, Panama Canal measurement (or under 500 displacement tons for vessels assessed on displacement tonnage). This traffic is not included in any of the summaries of oceangoing traffic.

Table 27.—Water Supp		ent of ditures year		
	1958	1957	1958	1957
Madden and Gatun LakeWater Supply: Total runoff Madden Lake basin Evaporation from Madden Lake	(Acre 1, 602, 546 48, 828	e-feet) 1, 802, 136 51, 194		
Available for Madden Lake uses Total runoff, Gatun Lake (area below Madden)	1, 553, 718           2, 267, 906	1, 750, 942         2, 781, 198		
Subtotal Evaporation from Gatun Lake	3, 821, 624 439, 301	4, 532, 140 456, 818		
Available for Gatun Lake uses	3, 382, 323	4, 075, 322		
MADDEN LAKE WATER EXPENDITURES: Madden hydroelectric power Madden spillway discharge	1, 166, 528 127, 709	1, 357, 966 736, 869	83 17	$\begin{array}{c} 65\\ 35\end{array}$
Total Madden Lake expenditures. Madden Lake volume	1, 294, 237 459, 435	2, 094, 835 214, 509	100	100
Gain or loss in storage	+244, 926	-343, 893		
GATUN LAKE WATER EXPENDITURES: Gatun hydroelectric power Gatun and Pedro Miguel lockages Municipal and other uses	$1, 459, 344 \\1, 462, 925 \\55, 303$	$1, 215, 725 \\1, 384, 895 \\55, 440$	$\begin{array}{c} 49\\ 49\\ 1\end{array}$	$\begin{array}{c} 26\\ 29\\ 1\end{array}$
Subtotal, Gatun uses Gatun spillway discharge	2, 977, 572 90, 817	2, 656, 060 2, 082, 553	$99 \\ 1$	$56\\44$
Total Gatun Lake expenditures Net annual runoff, Gatun Lake basin Gatun Lake volume	3, 068, 389 3, 382, 323 3, 975, 459	4, 738, 613 4, 075, 322 3, 906, 451	100	100
Gain or loss in storage	+69,008	-319, 398		

#### Table 27.---Water Supply and Expenditures

### Table 28.—Dredging Operations

	Cubic yards			
Location CANAL PRISM DREDGING:	Earth	Rock	Total	
Atlantic entrance maintenance Gatun Lake maintenance	599, 400 997, 000	153, 300 30, 000	752, 700 1, 027, 000	
Gaillard Cut maintenance Pacific entrance maintenance	73, 600 89, 200	89, 100 75, 500	162, 700 164, 700	
Total, Canal prism	1, 759, 200	347, 900	2, 107, 100	
AUXILIARY AND CONSTRUCTION DREDGING: Cristobal outer harbor, west anchorage Project No. 14 (bend 1868), Gaillard Cut_ East diversion, Mindi River	$2,781,200\\14,500\\84,000$	253, 900	$2,781,200\\268,400\\84,000$	
Total, auxiliary and construction	2, 879, 700	253, 900	3, 133, 600	
Grand total: Fiscal year 1958 Fiscal year 1957	4, 638, 900 4, 707, 100	601, 800 303, 500	5, 240, 700 5, 010, 600	

	Fiscal year		
	1958	1957	
Gross power generated:	(Kilow	att-Hours) ·	
Gatun hydro station	84,021,200		
Madden hydro station	125, 151, 500	163, 860, 500	
Diesel stations	41, 004, 380	19, 742, 700	
Total generated Consumed in station service	250, 177, 080	$254, 975, 100 \\ 2, 971, 379$	
Consumed in station service	3, 440, 674	2, 971, 579	
Net generator output	246, 736, 406	252, 003, 721	
Distributed to consumers	222, 640, 477	229, 108, 926	
System losses:			
Kilowatt-hours	27, 536, 603	25, 866, 174	
Percent	11. 1	10. 1	
Peak load (kilowatts)	44, 100	43, 600	
Date	Dec. 3, 1957	Sept. 7, 1956	
System load factor (percent)	64.8	66. 8	

### Table 30.-Number of Full-Time Employees Paid at U.S. Rates

	As of—	
Administration and General:	June 30, 1958	June 30, 1957
President's office	45	43
Office of the secretary	6	6
Comptroller's office and staff	219	211
Administrative Branch	34	41
Personnel Bureau	61	62
Subtotal, administration and general	· 365	363
OPERATING ORGANIZATIONS:		
Canal and allied Maritime operations:	9	9
Marine Director	409	414
Locks	36	10
Locks overhaul	244	244
Navigation	244 21	244 21
Ferry service		
Vessel repairs	181	178
Dredging	99	85
Meteorology and hydrography	14	14
Harbor terminals	83	77
Marine bunkering	43	43
Hotel Washington	0	1
Subtotal, canal and allied maritime opera- tions	1, 139	1, 096

	As	of—
OPERATING ORGANIZATIONS:Continued	June 30, 1958	June 30, 1957
Supporting operations:		
Printing plant	11 0	$9\\2$
Duplicating unit	13	
Engineering and Construction Director	13	11
Power conversion project	10 95	10 88
Engineer and design services	95 17	
Contract and inspection Electrical work	124	$\begin{array}{c} 19\\124\end{array}$
Power austern	65	65
Power system Communications system	39	37
Maintenance work	120	121
Water system	53	
Water system Supply and Community Services Director	55 7	51
Supply and Community Services Director	0	$\begin{array}{c} 0\\ 5\end{array}$
Supply and Employee Services Director		
Supply Division, General Manager	31	0
Procurement, United States	34	0
Retail stores	75	95
Service centers	21	26
Storehouses	18	27
Employee housing	16	17
Grounds branch	13	0
Grounds maintenance	0	13
Public buildings	1	0
Buildings	0	1
Tivoli Guest House	3	3
Transportation and Terminals Director	4	4
Freight agent, Panama	4	5
Railroad:		
Maintenance	33	31
Transportation	34	38
Motor transportation	62	61
General Manager, New York Operations	42	40
Procurement, United States	0	35
Steamship line	300	300
Subtotal, supporting operations	1, 251	1, 238
Total Panama Canal Company (Canal		
Zone)	2, 373	2, 316
Total Panama Canal Company (United	2,010	2, 510
States)	382	381
Diales/		
Grand total Panama Canal Company	2, 755	2, 697

### Table 30.—Number of Full-Time Employees Paid at U.S. Rates— Continued

#### PANAMA CANAL COMPANY

Rates	As	of
	June 30, 1958	June 30, 1957
Administration and General:		
President's office	1	$1 \\ 0$
Office of secretary	75	51
Comptroller's office and staff Administrative Branch	25	35
Personnel Bureau	36	31
I CISONICI Dulcad		
Subtotal, administration and general	137	118
OPERATING ORGANIZATIONS:		
Canal and allied maritime operations:		
Marine Director	1	1
Locks	797	856
Locks overhaul	251	2
Navigation	1,089	1, 177
Ferry service	67	70
Vessel repairs	261	$263 \\ 448$
Dredging	524 $29$	448 29
Meteorology and hydrography Harbor terminals	1,652	1, 655
Marine bunkering	95	94
Hotel Washington	0	5
Subtotal, canal and allied maritime opera-		
tions	4,766	4,600
	.,	
Supporting Operations:		
Printing plant	66	59
Duplicating unit Engineering and Construction Director	0	10
Engineering and Construction Director	0	0
Power conversion project	0	0
Engineering and designs services	84	69
Contract and inspection	2	2
Electrical work	$129 \\ 75$	133 78
Power system Communications system	19	18
Maintenance work	579	532
Water system	60	59
Supply and Community Services Director	Ő	Ő
Supply and Employee Services Director	ŏ	Õ
Supply Division, General Manager	53	0
Procurement, United States	0	0
Retail stores	868	891
Service centers	183	189
Storehouses	190	198
Employee housing	62	71
Grounds Branch	$405 \\ 0$	$0 \\ 394$
Grounds maintenance Public buildings	76	0
Buildings		80
Tivoli Guest House	47	48

Table 31Number of Full-Time Employees Paid at	Canal Zone	Wage
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	As	of—
OPERATING ORGANIZATIONS—Continued	June 30, 1958	June 30, 1957
Transportation and Terminals Director	0	0
Freight agent, Panama Railroad:	58	60
Maintenance	126	131
Transportation	91	98
Motor transportation	305	307
Steamship line	10	9
Subtotal, supporting operations	3, 488	3, 436
Total Panama Canal Company (Canal Zone) Total Panama Canal Company (United	8, 381	8, 145
States)	10	9
Grand total Panama Canal Company	8, 391	8, 154

#### Table 31.—Number of Full-Time Employees Paid at Canal Zone Wage Rates—Continued

### **CANAL ZONE GOVERNMENT**

Balboa Heights, C.Z. OFFICE OF THE GOVERNOR

January 5, 1959

The Honorable THE SECRETARY OF THE ARMY, Washington, D.C.

My DEAR MR. SECRETARY: I have the honor to submit the seventh annual report of the Governor of the Canal Zone reviewing the fiscal year ended June 30, 1958.

Very respectfully,

W. E. POTTER, Governor.

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Introduction

#### CANAL ZONE GOVERNMENT

The Canal Zone Government is an independent agency of the executive branch of the Government, directly under the President of the United States, but by the delegation [of responsibility] the Secretary of the Army represents the President in the supervision of Canal Zone Government affairs. Administrative and executive authority is vested in a Governor who is also ex officio President of the Panama Canal Company. The Governor is appointed by the President of the United States with the approval of the Senate.

The Canal Zone Government includes the usual functions of government and public health, including civil affairs, schools, libraries, postal service, magistrates' courts, police and fire protection, hospitals and other health services, and highways and sewers.

The Panama Canal Company, with which the Canal Zone Government is closely interrelated in purposes, organization, and operations, provides administrative, accounting, and personnel management and other services to the Canal Zone Government on a reimbursable basis.

#### **ORGANIZATIONAL CHANGES**

There were no major organizational changes during the year; however, effective July 1,1957, the Land License Unit and License Section were merged into one organizational unit, the License Section.

#### **MAJOR PERSONNEL CHANGES**

Maj. Bruno Eisen (USA) (MC) was reassigned to Superintendent, Coco Solo Hospital, effective August 1, 1957, vice Dr. John M. Wilkerson, retired effective July 30, 1957.

Col. Joseph R. Vivas (USA) (MC) was detailed from the U.S. Army as Chief, Medical Service, Gorgas Hospital, effective August 6, 1957, vice Col. Edward A. Cleve (USA) (MC), relieved from duty.

Maj. Benjamin A. Darden was promoted to Chief, Police Division, effective October 1, 1957, vice Maj. Roger W. Griffith, retired effective September 30, 1957.

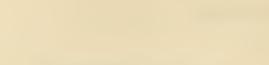
Capt. Gaddis Wall was promoted to District Police Commander, effective December 29, 1957, vice Maj. Benjamin A. Darden, promoted to Chief, Police Division, effective October 1, 1957.

Lt. Col. Harvey E. Meagher (USA) (MC) was detailed from the U.S. Army January 31, 1958, and assigned to Assistant to Health Director, to replace Lt. Col. David C. Burke (USA) (MC), relieved from duty with the Canal Zone Government, effective February 14, 1958.

Col. Norman H. Wiley (USA), Director, Gorgas Hospital, was relieved from duty with the Canal Zone Government on June 1, 1958.

Mr. Edward I. P. Tatelman, Magistrate, Cristobal, retired June 30, 1958.

Mr. William E. Jones, Fire Chief (Battalion Commander), retired on June 30, 1958.



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Chapter 1

### PUBLIC HEALTH

#### SANITATION

The Division of Sanitation conducts all phases of environmental sanitation in the Canal Zone, including disease, insect vector, and rat control; malaria control measures; maintenance of sanitary drainage systems, and other sanitary control measures necessary to the welfare of inhabitants living in the Canal Zone.

During this fiscal year the foremost and continuing sanitation problem was the alarming increase in malarial mosquitoes. The resurgence of malaria early in the fiscal year necessitated the development and implementation of intensive countermeasures within the Canal Zone. By the end of June 1958, considerable improvement and progress had been made in the control of *Anopheles albimanus* and the other pest types of mosquitoes. Approximately 135 miles of drainage ditches have been restored or improved on the Atlantic side. Previously neglected breeding foci of mosquitoes have been discovered and drainage and other controls have been instituted.

From an alltime low rate of 0.8 per 1,000 employees in 1956, the malaria incidence increased to 1.5 in fiscal year 1957, and at this fiscal year's end the rate among employees, including recurrent cases, had reached a high of 9.1 per thousand. As in the past years, the greatest number of cases of malaria occurred among employees living in rural or suburban areas of the Republic of Panama, outside Canal Zone Government jurisdiction. The rate among these employees is much higher than that of employees living within sanitated areas. As the percentage of employees living in the Republic increases, the malaria rate will be influenced by the effectiveness of control measures conducted in the Republic of Panama.

A realistic appraisal indicates no real prospects of eradicating malaria in the Canal Zone until virtual eradication has been achieved in Panama. Mosquito control will always remain a continuing project, and malaria eradication in Panama does not include mosquito control. Therefore, there is a continual infiltration of mosquitoes from Panama as well as from outlying Canal Zone mosquitoproducing areas. Recent detailed discussion of the Canal Zone's malaria and mosquito control programs with leading international malariologists and entomologists indicates that the Health Bureau program is sound, and by comparison, very comprehensive and effective.

The rodent population has been controlled at a practicable low level. In addition to the continually maintained poison bait stations, all manholes were baited during the dry season, the most effective period for this phase of extermination. Following the rat-poisoning program, all manholes were sprayed with dieldrin as a roach and dryseason mosquito control measure. Ship inspections and other procedures in support of maritime quarantine continued at a high frequency. No unusual incidents occurred in this activity during the year.

#### **PREVENTIVE MEDICINE**

The Preventive Medicine Section is responsible for matters pertaining to public health, such as control of communicable disease and industrial health problems, infant and child health, and physical standards. The occurrence of a worldwide epidemic of influenza due to the Asian variant of type A influenza virus began to affect the Canal Zone at the beginning of the fiscal period. The number of cases of upper respiratory infections increased rapidly for several months during which time it was estimated that 30 percent of the population was afflicted. Other than an unusual increase in cases of measles and the respiratory infections referred to, there were no further unusual incidences of communicable diseases and no quarantinable diseases occurring on the Canal Zone, or imported to the isthmus during the year.

One of the most active preventive medicine programs for the past several years has been the annual chest X-ray survey of all Canal Zone employees and residents. This year the tuberculosis survey of all employees and residents was accomplished with a total of 12,346 X-rays being taken in comparison with 9,072 in fiscal year 1957. There was 238 X-rays reported as suspicious which included 188 previously known cases. The remaining 120 patients were studied further to determine correct diagnosis. During the year there were 76 new cases of tuberculosis diagnosed, of which 38 were residents of the Republic of Panama, 31 were Canal Zone residents, and 7 were transients.

The poliomyelitis vaccination program continued to expand throughout the year. A total of 15,805 injections was administered to children and adults. There were no cases of poliomyelitis occurring on the Canal Zone during the entire year.

#### SCHOOL HEALTH

The School Health Section, composed of the school physician assisted by two nurses and two part-time clerical assistants, expanded its activities during the year to include varied allied services in addition to the routine work performed by the group. Physical examinations of students totaling 4,083 were performed in comparison with 3,112 last fiscal year. Visual screening was conducted for 10,361 students, of whom 9,191 were found to have normal vision. The dental survey was modified during the year to include all pupils in the second, fourth, and eighth grades in both the U.S. and Latin American school systems. A total of 2,954 pupils were examined, 2,004 in the U.S. schools and 950 in the Latin American schools, revealing that approximately 47 percent and 30 percent of the pupils, respectively, had no dental cavities. As an adjunct to the overall mission of this division during the year, the Health Section initiated an immunization service among schoolchildren, teachers, and others. The section administered a total of 4,274 injections. It is planned to expand this service during the coming year to include tetanus, pertussis, and diphtheria, as well as poliomyelitis and smallpox vaccines.

#### QUARANTINE

Technical supervision and services relating to quarantine matters are the responsibility of this section. Quarantine boarding activities continued as a function of the consolidated boarding party under the administrative direction of the Marine Bureau. During the year, the assignment of a physician as Chief of the Quarantine Section to supervise the training and instruction of boarding officers in quarantine matters resulted in an appreciable improvement in this section. Free or provisional pratique was granted to 8,421 ships during the year in comparison with 5,534 last period. In addition, 455,647 passengers and crew members were processed for quarantine purposes, an increase of 84,567 examinations over last fiscal period. There were 4,132 persons aboard ships vaccinated, and 8,084 passengers and crew members were detained aboard ship for quarantine reasons. Two hundred and thirty-five remand notices were sent to next port of call on vessels for lack of various guarantinable gualifications, or for arrival from plague suspect ports.

#### USPHS AGENCY

The Division of Preventive Medicine and Quarantine maintains liaison with the U.S. Public Health Service and is responsible for the administration and supervision of the program providing for medical care of American seamen treated in Canal Zone medical facilities as beneficiaries of the U.S. Public Health Service. Under this program medical care was provided for 3,131 seamen, and consisted of 2,877 outpatient visits and 2,596 inpatient hospital-days. During the year a change in policy of the U.S. Public Health Service, rermitting local seamen on vessels that do not touch continental U.S. ports to obtain elective care and treatment for chronic illnesses, was initiated. This change accounted for substantial increases in all operational and fiscal phases of this service. This group was previously restricted to emergency care and treatment for acute illnesses as are transient seamen.

#### **VETERINARY ACTIVITIES**

This activity is responsible for all veterinary matters relating to food and animal disease control in the Canal Zone. The program is designed to protect the Canal Zone customer against foodborne diseases and subsistence of inferior quality. Inspections of approved food-processing establishments in the Republic of Panama and the Canal Zone totaled 1,228 for the year and included fish and shrimp packing plants, abattoirs, butter, ice cream and cheese manufacturing establishments; beverage bottling, sausage, and milk pasteurizing plants; confectioneries, wholesale markets, farms, meat-packaging units, cold storage depots, and many others.

Ante mortem and post mortem examinations were performed on 3,904 animals slaughtered for food in Panama's abattoir. In addition to the locally slaughtered beef, the veterinary unit controlled

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and inspected 138,005 pounds of other beef, 150,037 pounds of lamb, 183,492 pounds of pork, and 1,038,832 pounds of poultry imported for consumption in the Canal Zone. All dairy herds supplying milk to Canal Zone communities were tuberculin tested during the year.

The usual animal disease control activities were carried on during the fiscal period, with rigid controls being exercised over the importation of animals into the Canal Zone, and through the Canal Zone into the Republic of Panama.

As a result of the consolidation of Army and Canal Zone Government animal care activities within the Corozal Animal Hospital that operates in conjunction with the animal quarantine station, an increased workload resulted this fiscal year in all phases of the operation.

Statistical data relating to animals and confinement-days involved in comparison with fiscal year 1957, are given below:

	Fiscal year		Percent
Number of animals admitted:	1958	1957	increase workload
Hospital Section	1, 501	1, 146	31. 0
Quarantine Section	$629 \\ 6, 439$	$497 \\ 5,088$	26. 0 26. 0
Outpatient clinics			
Total animal admissions	8, 569	6, 731	27.0
Animal confinement-days:			<u></u>
Imported and local quarantined animals at Corozal and Cristobal units	16, 810	16, 235	3. 5
Others confined in Hospital Section	6, 649	6, 046	10. 0
Total animal confinement-days	23, 459	22, 281	5. 3

#### **HOSPITALS AND CLINICS**

The number of adult patients and patient-days in Canal Zone Government hospitals for the fiscal years 1958 and 1957 was as follows:

	Fiscal year		Percent
Number of adult patients hospitalized:	1958	1957	of aciual change
Gorgas Hospital	9, 223	8,695	6.1
Coco Solo Hospital	3, 681	3, 490	5.5
Average length of adult patient stay:			
Gorgas Hospital	11.6	11.4	1.8
Coco Solo Hospital	9.3	10.0	(7.0)
Adult patient-days:			
Gorgas Hospital	99, 207	95, 820	3.5
Coco Solo Hospital	35, 244	34, 210	3.0
Corozal Neuropsychiatric and Domiciliary			
Hospital	90, 535	95, 896	(5, 6)
Palo Seco Leprosarium	43, 356	42, 964	. 9

The death rate from all causes declined from 4.13 per 1,000 population in calendar year 1956 to 3.63 in calendar year 1957. The principal causes of death were arteriosclerotic and degenerative heart diseases. The live birth rate for the Canal Zone decreased slightly in the calendar year 1957, dropping to a rate of 27.95 per 1,000 population in comparison with the 30.20 rate per 1,000 in calendar year 1956.

#### HIGHLIGHTS

On November 17, 1957, Gorgas Hospital celebrated the 75th anniversary of its founding and the establishment of hospital and medical facilities in the Panama Canal organization. The diamond jubilee was also marked by the issuance of a 3-cent commemorative stamp by the Canal Zone postal service.



### **PUBLIC EDUCATION**

#### **GENERAL DESCRIPTION**

The public school system for U.S.-citizen children includes 10 kindergartens; 11 elementary schools with grades 1 through 6; 2 junior high schools, grades 7 and 8; 2 senior high schools, grades 9 through 12; and a junior college, grades 13 and 14. Public schools for Latin American children include 3 kindergartens;

Public schools for Latin American children include 3 kindergartens; 4 elementary schools with grades 1 through 6; 4 junior high schools, grades 7 through 9; and 2 high schools, grades 10 through 12.

In addition to its regular educational program the schools maintain and operate swimming pools, gymnasiums, playgrounds, and other facilities for child and youth development.

Other educational services performed included adult evening classes and after-school driver-training classes conducted at Balboa and Cristobal. In addition, the observatory at Miraflores was operated during the dry season.

The Latin American schools completed the third year in which instruction in all grades was conducted in Spanish. Considerable progress was made in upgrading the educational qualifications of secondary school staffs, in improving faculty proficiency in the use of the Spanish language, and improving the quality and quantity of textbooks. Thirty-eight Canal Zone teachers attended evening classes at the University of Panama, and 78 teachers and principals enrolled in the summer session there.

#### ENROLLMENTS

Total day school enrollments increased 3.1 percent over the previous year. The U.S.-citizen school enrollments registered increases in all sections except in the Junior College, grades 13 and 14. An overall increase of 4.6 percent is shown in comparison with 0.9 percent last year.

Latin American enrollments were up very slightly, showing a decided decline in kindergartens, 41.1 percent, and a decline of 2.3 percent in grades 1 through 6. Grades 7 through 12 registered nominal increases of only 0.6 percent.

Enrollment of nonresident, U.S.-citizen tuition students increased from 289 to 333, Panamanian citizens dropped from 237 to 187, and other nationalities dropped from 41 to 30, leaving a total of 550 as compared with 567 last year. There are no tuition students enrolled in the Latin American schools.

	As of Oct. 15-	
	1957	1956
U.Scitizen schools Latin American schools	$\begin{array}{c} 7,179\\ 4,028 \end{array}$	6, 862 4, 003
Total	11, 207	10, 865

#### SPECIAL EDUCATION

Special education services for exceptional children were inaugurated this year in the Canal Zone schools. A follow-up study of the survey of handicapped children, initiated in the previous fiscal year, was begun in August 1957. In addition, a speech survey of all second and fourth grade pupils was conducted in the U.S. elementary schools. Of the children examined, 9.74 percent needed speech correction. A school psychologist was added to the special education staff in January 1958.

A speech correction program was begun in September 1957, and studies and recommendations were made preparatory to the establishment of classes for educable mentally handicapped children. Another important phase of the special education program was inaugurated in February 1958 when a special class for physically handicapped children was started in temporary quarters at Gorgas Hospital. Eight teachers from the U.S. schools and six from the Latin American schools were sent to the United States for training in the teaching of exceptional children. With the beginning of the school year in September 1958, considerable expansion is planned for the special education program.

#### PLANT

Several major plant changes were either completed or underway at the end of the fiscal year. They are: additional dressing room facilities at the Balboa gymnasium, the replacement of Ancon elementary school playshed, construction and alteration of classrooms for handicapped children at Santa Cruz and Balboa; and the construction of Reserve Officers' Training Corps and activities building at Balboa High School. The Cristobal elementary school, located in the Republic of Panama, was closed in June and classes will reopen at Coco Solo in September. Transfer of the Cristobal school facilities will be made to the Republic of Panama in accordance with the provisions of the Remon-Eisenhower treaty.

#### LIBRARY-MUSEUM

The library, founded in August 1914, soon will enter its 45th year of continuous service to canal officials and employees. The Canal Zone Museum was created during the latter part of 1950 as an adjunct to the library.

Circulation of library materials increased more than 7 percent during the past fiscal year, and there has been an increase of 21 percent in circulation since 1951. A total of 254,046 books, periodicals (including official periodicals), and documents were circulated during the year in comparison with a total of 236,128 last year.

Coordination of library services with the schools was further implemented during the year. Additions were made to the Spanish book stocks in the Latin American branches of the library. These branches continue to attract school and community interest.

PUBLIC EDUCATION

During the past year, and as a result of the interest and cooperation of local persons and staff members of the Library of Congress and of the New York Library for the Blind, a library service for the blind was initiated. A procedure has been established for the use of a special-purpose record player and talking-book loan privileges through the Canal Zone Library for those in need of the service and also for the Schools Division special education program.

# Chapter III

## **PUBLIC ORDER AND PROTECTION**

#### **POLICE ACTIVITIES**

During the fiscal year decisive steps were taken to raise the professional standard of the Canal Zone police. There were no significant changes in the police organization or plant, and the authorized force continued at about the same level as last year. Near the close of the fiscal year arrangements were made for the designation of available male personnel in the customs and postal divisions as auxiliary policemen to supplement the regular police force in the event of severe emergency.

The major activities of the division include highway and townsite patrols by radio cars and motorcycles, launch patrols of lakes and harbors, foot patrols of the jungles, detective investigations, investigations of traffic accidents, and issuing of warning notices. In addition, police personnel locate persons in the Canal Zone who are wanted in Panama for criminal offenses, examine persons for motor vehicle driver's licenses, photograph and fingerprint arrested persons, impound animals and motor vehicles, investigate deaths, operate the penitentiary and the prison for women and minors, and provide special police protection when necessary.

In addition to the usual inservice training programs which were stepped up, more rigid employment, promotion, and job-assignment policies were instituted. A "Code of Ethics and Canons of Police Ethics," promulgated by a committee appointed by the International Association of Chiefs of Police, was adopted and widely distributed during the year.

Comparative statistics tabulated below indicate that arrests and workload in general in the indicated phases declined. The most significant change occurred in the number of arrests made, there being 443 fewer offenses in comparison with last year. The most decided increase in any phase is that in the number of warning tickets issued, an increase of 856 being shown over the comparable number last year. Sixty-two nationalities were represented among those arrested. As usual, nonresidents, mostly Panamanians, were responsible for the bulk of the offenses committed.

Police activity highlights of the year consisted of active participation in the civil defense, Canal Zone-wide alert Opal 1958, with the manning of traffic control points throughout the zone pursuant to the master plan.

#### PUBLIC ORDER AND PROTECTION

Cooperative international relations with Panama continued in a normal trend except during May 1958 when untoward incidents occurred which required special handling.

	Fiscal year	
Classification of arrests	1958	1957
Male Female	${\begin{array}{c} 4,\ 238\\ 328 \end{array}}$	${\begin{array}{*{20}c} 4,480\\ 529 \end{array}}$
Total	4, 566	5, 009
Arrests made with warrantsArrests made without warrants	204 4, 362	$\begin{array}{r} 268\\ 4,741\end{array}$
Total	4, 566	5, 009
Residents of Canal Zone Residents of Panama Transients	$     \begin{array}{r}       1, 215 \\       3, 116 \\       235     \end{array} $	$     \begin{array}{r}       1, 417 \\       3, 390 \\       202     \end{array} $
Total	4, 566	5,009
Charges for misdemeanors Charges for felonies	4, 623 298	5, 097 267
Total offenses	4, 921	5, 364
Offenses reported to FBI Motor patrols made (in miles) Traffic accidents investigated	$ \begin{array}{r} 1,180\\ 863,473\\ 445\\ 445 \end{array} $	$     \begin{array}{r}       1,093 \\       842,000 \\       506 \\       506     \end{array} $
Warning tickets issued Deaths investigated by Coroner Daily average prisoners in jail	$4,352 \\ 78 \\ 41$	$3, 496 \\ 82 \\ 37$
Daily average convicts in penitentiary	110	101

#### COURT ACTIVITIES

The judicial functions of the Canal Zone Government are performed by the Magistrates' Courts. The two courts, each presided over by a magistrate, arc in session throughout the year in the Canal Zone, and handle cases for the subdivisions of Balboa and Cristobal. The number of cases handled in the Cristobal court totaled, 1,079, a decrease of 329 from the 1,408 handled in fiscal year 1957. The number of cases handled in the Balboa court decreased slightly, a total of 3,475 compared with 3,488 cases handled in 1957.

A summary of activities at the Magistrates' Courts, Cristobal and Balboa, during fiscal year 1958, in comparison with figures for fiscal year 1957, is shown below:

	Crist	obal	Bal	boa	To	stal
Cases handled: Criminal Civil	1958 1,027 52	1957 1,404 4	1958 3, 440 35	1957 3, 470 18	1958 4, 467 87	1957 4, 874 22
Total	1,079	1,408	3, 475	3, 488	4, 554	4, 896
Disposition of criminal eases: Conviction	919 35 26 47	$1,250 \\ 43 \\ 71 \\ 40$	$3,097 \\ 90 \\ 132 \\ 121$	$3,156 \\ 121 \\ 93 \\ 100$	4, 016 125 158 168	4, 406 164 164 140
Total	1,027	1, 404	3, 440	3,470	4, 467	4, 874
Convictions in which execution of sentence was suspended and defendants placed on probation	78 6 \$10, 822	98 3 \$15, 295	216 19 \$28, 129	293 27 \$30, 250	294 25 \$38, 951	391 30 \$45, 545

#### PARDON BOARD

The Pardon Board, consisting of 5 members appointed by the Governor, acts in an advisory capacity in consideration of requests submitted by prisoners for executive elemency. The board considered 48 applications for executive elemency during the year, all of which were for commutation of penitentiary and jail sentences to the portion already served. The Governor granted elemency in six of the cases. The board also considered and submitted recommendations on three applications for revocation of orders deporting persons following service of sentences of imprisonment. None of these applications were granted by the Governor.

#### FIRE PROTECTION

Under the consolidation of all Federal Government structural firefighting facilities in the Canal Zone, the Canal Zone Government Fire Division is responsible for all fire protection and fire prevention and for certain lifesaving and rescue operations in the civilian communities of the Canal Zone and on ships in Canal waters; for structural firefighting on military reservations and for fighting brush fires and fires at outlying military sites on the Canal Zone. With the closing of the fire station at Madden Wye on June 28, 1958, there remained in operation 14 stations, 8 on the Pacific side and 6 on the Atlantic side. At the close of fiscal year 1958 there remained 5 volunteer fire companies, each consisting of 10 men.

At the request of Panamanian officials on January 16, 1958, the Canal Zone Fire Division cooperated in the control and extinguishing of a major fire which occurred in the San Miguel section of Panama City.

Statistics on firefighting operations follow:

	Fiscal year 1958		Fiscal ye	ar 1957
ŕ	Number of fires	Property loss	Number of fires	Property loss
Panama Canal Company Canal Zone Government	265	<b>\$2,</b> 994 239	$378 \\ 8$	$$2, 557 \\ 123$
Armed Forces Private (including ships)	$\begin{array}{c} 260 \\ 62 \end{array}$	23,851 44,715	$\begin{array}{c} 314 \\ 68 \end{array}$	168,859 271,682
Total	595	\$71, 799	768	\$443, 221
		Fiscal 195		scal year 1957
Calls for emergency aid Value of property involved in fires_		\$16, 749	111 9, 018 \$2	96 24, 067, 026

#### **CIVIL DEFENSE**

During the year a new Civil Defense and Disaster Relief Plan, establishing civil defense responsibilities within the present normal operating organization of the Company/Government, was approved.

Two national alert exercises were held during the fiscal year—in July 1957 and May 1958. In the 1957 exercise over 500 Company/ Government employees took part in the activities on each side of the isthmus, together with 100 members of the volunteer corps. The three control points were mobilized and the technical problems

PUBLIC ORDER AND PROTECTION

presented by the exercise were resolved. In the May 6, 1958, activities, Opal 58, a preparedness exercise was held in the Canal Zone; this is the first activity under the new Civil Defense and Disaster Relief Plan.

Plans for the main control center to be located in the Administration Building at Balboa Heights were approved and invitations for bids on its construction were advertised in June 1958. During the year this unit was successful in obtaining funds and supplies from the Federal Civil Defense Administration (FCDA); however, such assistance was discontinued effective July 1, 1958, as a result of a Bureau of the Budget ruling. The survival plan study approved by the Governor and the Federal Civil Defense Administration was eliminated as a result of this decision of the Bureau of the Budget.

During the fiscal year 1958 the civil defense unit participated in two emergency operations occurring in the Republic of Panama. As a result of the disastrous fire in the San Miguel area, Panama, on January 16, 1958, this unit was called upon to handle liaison between Panamanian officials and the Canal Zone agencies and organizations, and aided in the collection of necessities for the destitute.

Again, on May 19, 1958, the Civil Defense Welfare Service of the unit was called upon to provide emergency food and shelter for Canal Zone employees residing in Panama who could not reach their homes as a result of the rioting and civil disturbance that caused a state of siege in Panama.

Chapter IV

## **POSTS, CUSTOMS, AND IMMIGRATION**

#### **POSTAL SYSTEM**

The postal system made substantial changes in public service and internal operations during the year.

Principal changes in service to the public included the discontinuance of postal units at Coco Solo and Fort Davis in November and December 1957 as a result of the deactivation of the Naval Station, Coco Solo, and the post of Fort Davis. All activities previously performed at the Coco Solo unit were transferred to the main post office at Cristobal. Effective February 24, 1958, a branch of the Cristobal post office was established at Fort Gulick, C.Z., to serve Headquarters Atlantic Area, U.S. Army Caribbean, the military Latin American School for Ground Forces, military personnel stationed in the Atlantic area, and civilian personnel residing at Fort Gulick.

In August 1957, the mail-handling subunit at Tocumen Airport was closed and the air carriers took over the transportation of incoming and outgoing mails between the airport and the mail handling unit, Balboa. This arrangement permits use of all available flights and reduced the cost of truck transportation of air mails.

A 3-cent postage stamp commemorating the 75th anniversary of the opening of Gorgas Hospital was issued on November 17, 1958.

Operations for the past 2 fiscal years are summarized in the following table:

	Fiscal year	
Receipts: Sale of postage stamps, stamped paper, box rents, and permit handling Interest on investments of postal savings Money order fees collected	<i>1958</i> \$607, 177 167, 000 44, 759	1957 \$642, 384 166, 057 40, 754
Other receipts	10, 321	9, 400
Total receipts	829, 257	858, 595

Statistics relative to the physical volume of the operations of the Canal Zone Postal System for the past 2 fiscal years are covered in the following table:

	Fiscal year		
Registered, certified, and insured articles handled:	1958	1957	
Number sent	89, 955	96, 816	
Number received	111, 013	129, 404	
Dispatches of surface mail handled:	·		
Number sent	2,034	2,062	
Number received	2, 999	2,972	
Dispatches of airmail handled:	,		
Number sent	11, 398	11,665	
Number received	18, 267	18, 200	
		131	

#### CUSTOMS, IMMIGRATION, AND SHIPPING COMMISSIONER SERVICES

There were no significant changes in plant or functions in the Customs Division throughout the year. The tabulation shown below indicates decreases in all functions noted except in the number of passengers disembarking from vessels, and the number of U.S. seamen discharged or signed on. The average daily census of immigration cases and the number of detention-days at the Corozal station decreased from 13.7 persons in 1957 to 11.1 persons daily in 1958. Contraband irregularities, resulting from purchases in the Canal Zone by unauthorized persons, excessive purchases, and trespassing in retail stores, were again substantially reduced as a result of the effects of certain treaty provisions.

The following is a statistical summary of the more important items handled by the customs and immigration operation during the fiscal year 1958, together with comparative figures for fiscal year 1957:

	Fiscal year	
Vessels entered from sea Passengers disembarked, vessels	<i>1958</i> 10, 677 15, 510	<i>1957</i> 11, 299 14, 004
Passengers disembarked, vessels U.S. seamen discharged or signed on Other seamen discharged or signed on	$14, 258 \\ 1, 234$	$14, 324 \\ 1, 185$
Number of detention-days, immigration station Contraband irregularities investigated	$\begin{array}{c} 4,\ 178\\ 4,\ 033\\ 321 \end{array}$	$\begin{array}{r} 4,451\\ 4,984\\ 634\end{array}$

#### VISAS

During fiscal year 1958, 462 visas were issued by the executive secretary to alien residents of the Canal Zone traveling to the United States. Of these, 4 were quota immigrant visas, 285 were nonquota immigrant visas, and 173 nonimmigrant visas. Fees collected for visas amounted to \$7,233.

Chapter V

## LICENSES, INSURANCE, AND ESTATES

#### LICENSES

On July 1, 1957, the operations of the License Section and the Land License Unit of the Civil Affairs Bureau were consolidated. The activities of the new License Section are under the supervision of the former chief of the Land License Unit.

The mission of the section is to issue, administer, and effect collection of the appropriate fees for vehicular, land, and miscellaneous licenses and permits assigned to the section in conformity with all existing laws, treaties, regulations, policies, and tariffs. Principal types of licenses handled during the fiscal year 1958 as compared with the corresponding figures for fiscal year 1957 are shown below:

	Fiscal year	
	1958	1957
Vehicle licenses	13, 303	13, 310
Motor vehicle operators' licenses and permits	13, 986	17, 419
Vehicle registrations transferred	2, 936	3, 231
Dog licenses	2,055	1,965 775
Land licenses in force at year's endAnnual revenue	740 \$187, 818	\$192, 748

#### INSURANCE

The license fee for insurance companies doing business in the Canal Zone is \$10 per year, with a tax of 1½ percent on premiums collected. At the end of the fiscal year, 32 companies were licensed to write insurance in the Canal Zone. Life insurance companies reported that, as of December 31, 1956, 4,309 policies were in force. During calendar year 1957 a total of 366 policies were issued, while 722 were canceled, leaving a total of 3,953 with an aggregate value of \$17,329,045 in force as of December 31, 1957. Premiums collected on life insurance during calendar year 1957 totaled \$440,963. Claims settled during the year amounted to \$19,750.

During calendar year 1957, premiums received by miscellaneous insurance companies included accident, automobile, liability, fire, surety, fidelity, etc., but excluding life insurance, amounted to \$842,328. Losses paid during the year totaled \$281,388. The tax of 1½ percent on premiums paid by all classes of insurance companies amounted to \$19,238 in comparison with \$18,270 the previous fiscal year.

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#### **ADMINISTRATION OF ESTATES**

This fiscal year the number of estates settled by the Public Administrator again decreased as a result of Public Law 347, 83d Congress, which simplified the method of payment of moneys due deceased Government employees. Comparative statistics are shown below:

	Fiscal year		
	1958	1957	
Number of estates settledAssets handled	15 \$4, 126	20 \$21, 846	
Commissions	None None	\$792	

#### FOREIGN CORPORATIONS

The licensing of foreign corporations to do business in the Canal Zone is shown below. Insurance companies, steamship lines and agencies, contractors, and other corporations are included in this group.

	Fiscal year	
	1958	1957
Foreign corporations licensed	172	148
Licenses and filing fees collected	\$1, 720	\$1, 480

Chapter VI

## **MUNICIPAL IMPROVEMENTS**

#### ROADS, STREETS, AND SIDEWALKS

Construction and maintenance forces of the Panama Canal Company provided services during the year on regular maintenance of roads, streets, and sidewalks, and the maintenance of the Boyd-Roosevelt Trans-Isthmian Highway. A combined length of 118.94 miles of streets and highways was maintained within the Canal Zone, and 45.81 additional miles composing the Boyd-Roosevelt Highway. In addition to the planned repairs on the highway, heavy slides had to be corrected during the year.

#### MAINTENANCE OF QUARTERS, HOSPITALS, AND PUBLIC BUILDINGS

Routine and special maintenance of all Company/Government owned quarters, hospitals, public buildings, steamplants, and all refrigeration equipment was accomplished throughout the year.

#### SEWER SYSTEM

Panama Canal Company forces performed regular sewer maintenance during the year on 176.58 miles of sanitary sewers and storm drains, consisting of cleaning and flushing lines, removing obstructions, replacement of defective piping, and the maintenance of six sewer pumps, comminutor, and treatment plant.

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# Chapter VII

## FINANCIAL REPORT AND STATISTICAL DATA

#### FINANCIAL STATEMENTS AND RELATED SUPPLEMENTARY REPORTS FOR THE YEAR ENDED JUNE 30, 1958

Presented herewith are the financial statements of the Canal Zone Government for the year ended June 30, 1958. These statements, which appear on tables 1 through 4, fairly present the financial condition of the agency at June 30, 1958, and the financial results of its operation for the fiscal year then ended. The accompanying statements have been examined by the internal audit staff of the Panama Canal Company and are subject to audit by the General Accounting Office.

Activities of the agency are financed by congressional appropriation. Operating appropriations are available for obligations only in the year for which the appropriations are made. Capital appropriations are available until expended. The agency's operating accounts are kept on an accrued cost basis, including depreciation of fixed assets, in accordance with generally accepted accounting principles, while the status of appropriated funds is determined on an obligations incurred basis in accordance with Government requirements.

The agency's revenues arise from charges to individuals and other Government agencies using certain of its services. All revenues thus received are turned into the U.S. Treasury as miscellaneous receipts. The excess of total accrued costs, including depreciation, over revenues is payable to the U.S. Treasury by, and treated as an expense of, the Panama Canal Company in accordance with the requirements of section 246 of title 2 of the Canal Zone Code, as amended. All operating and capital appropriations expended by the Canal Zone Government are thus eventually repaid to the U.S. Treasury.

The agency also operates a postal savings and international money order system for the convenience of Canal Zone residents. Funds from this source are invested in U.S. Government securities at rates of interest that cover the 2-percent interest paid to depositors and expenses of the service.

#### Invested capital

Invested capital consists of fixed assets and inventories of material and supplies less allowances for depreciation and obsolescence of fixed assets, and less the potential liability for employees' accrued leave, which under the law is not an obligation against appropriated funds until paid.

During the year, properties with an appraised market value of \$994,500 were transferred from Canal Zone Government to the Republic of Panama, in accordance with terms of the 1955 treaty between the United States and the Republic of Panama. The excess 136

#### CANAL ZONE GOVERNMENT

of market over book value, in the amount of \$372,540, was transferred to retained revenue of the Panama Canal Company and applied as a reduction of amounts due the U.S. Treasury under statutory obligations of section 246 of title 2 of the Canal Zone Code.

Table 2 shows the status of this fund and appropriated funds at the beginning and end of the year, and summarizes the changes which occurred during the year.

#### Capital additions

Capital additions for the year amounted to \$838,177. Total depreciation for the year exceeded plant additions by \$157,768. Further details appear on table 4.

#### Financial results

The net cost of operating Canal Zone Government amounted to \$10,737,194 for the fiscal year ended June 30, 1958, as compared to \$10,135,514 for the preceding fiscal year 1957. The principal factor causing this net increase in costs between the 2 years was the pay increase granted in July of fiscal year 1959, retroactive to January 1958. This retroactive expense is reflected in the accounts as of June 30, 1958. As in the preceding year, net costs, as indicated above, were absorbed as expense of the Panama Canal Company. Further details are set out in table 3 of the accompanying financial statements.

2136666		
CURRENT ASSETS:		
Fund balances with U.S. Treasury and cash: Fund balances in U.S. Treasury checking		
account	\$4, 917, 713	
Cash on hand and in transit	124,582	
		\$5, 042, 295
U.S. Treasury bonds and notes at cost (postal savings and money order funds). (Par value,		50, 01 <b>2</b> , 200
\$6,250,000; market value, \$5,967,800)		6, 249, 688
50,250,000, market value, 55,501,600/		0, 210, 000
Accounts receivable:		
U.S. Government agencies	452,065	
Others	194, 283	
Accrued interest receivable on postal fund	,	
	00.040	
investments	<b>22,</b> 940	
		669, 288
		'
Inventory of hospital supplies		137, 38 <b>2</b>
		0 104
Other current assets		9, 134
Total current assets		12, 107, 787
FIXED ASSETS (table 4):		
Cost	44, 847, 909	
Less depreciation and valuation allowances	15, 174, 505	
Less depreciation and valuation and values	10, 11 1, 000	29, 673, 404
		29, 010, 404
		41, 781, 191
		,

Table 1.-Statement of Financial Condition, June 30, 1958

Assets

Note.—The Canal Zone Government has outstanding commitments in the amount of \$908,000 under uncompleted construction contracts and unbilled purchase orders, and an estimated liability of about \$147,000 for relief payments to be made to retired alien employees in fiscal year 1959.

#### Table 1.-Statement of Financial Condition, June 30, 1958-Continued

Liabilities and Equity

CURRENT LIABILITIES:		
Accounts payable:		
Panama Canal Company	\$1, 387, 436	
Revenues and other recoveries due U.S.		
Treasury	1, 130, 952	
Treasury Other U.S. Government agencies	298,797	
		\$2, 817, 185
Postal money orders payable	375, 356	
Less advance deposits with U.S. Post Office	,	
Department.	178, 247	
Departmentererererererererer		197, 109
Postal savings deposited:		101, 100
Savings certificates outstanding	5, 713, 285	
	258, 879	
Accrued interest payable	200, 015	5 079 164
A		5,972,164
Accrued liabilities:	FOF 010	
Salaries and wages	725, 910	
Others	146, 851	
		872, 761
Other current liabilities		48, 018
		0.007.007
Total current liabilities		9,907,237
EMPLOYEES' ACCRUED ANNUAL LEAVE (unfunded)		1,763,899
EQUITY OF U.S. GOVERNMENT (table 2):		
Operating funds	108, 549	
Capital funds	1, 954, 619	
Invested capital	28, 046, 887	
		30, 110, 055
		41, 781, 191

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EQUITY AT JUNE 30, 1957:	Total	Operating funds	Capital funds	Invested capital
Unobligated funds Obligated funds	\$1, 598, 755 253, 182	\$52, 252	\$1, 598, 755 200, 930	
Invested capital: Fixed assets, net Inventories	30, 328, 054 125, 511		•••••	\$30, 328, 054 125, 511
Inventories Unfunded llability for employees' accrued leave	(1, 626, 179)			(1, 626, 179)
Balance at June 30, 1957	30, 679, 323	52, 252	1, 799, 685	28, 827, 386
INCREASES IN EQUITY: Appropriations by the Congress Excess of market over book value of properties trans-	17, 468, 500	16, 468, 500	1,000,000	
ferred to Republic of Panama, Nov. 7, 1957, under 1955 treaty. Transfers from other U.S. Government agencies, net: Various municipal facilities transferred from the	372, 540			372, 540
Panama Canal Company	155, 199			155, 199
	17, 996, 239	16, 468, 500	1,000,000	527, 739
DECREASES IN EQUITY: Net cost of Canal Zone Government (table 3): Accrued funded operating expenses. Depreciation for the year. Increase in liability for employees' accrued leave.	16, 344, 233 995, 945	16, 344, 233		995, 945
Plant adjustments, net	$137,720 \\ 6,037$			$137,720 \\ 6,037$
Recovery of costs	17, 483, 935 6, 746, 741	16, 344, 233 6, 746, 741		1, 139, 702
Total net cost for year	10, 737, 194	9, 597, 492		1, 139, 702
Other decreases: Recovery of costs coverable into U.S. Treasury. Transfers to other U.S. Government agencies, net: Water line, Palo Seco Leprosarium, trans-	6, 746, 741	6, 746, 741		
ferred to the Panama Canal Company Market value of properties transferred to Re- public of Panama, Nov. 7, 1957, under 1955	28, 696		•••••	28, 696
Unobligated operating funds withdrawn by U.S.	994, 500	•••••		994, 500
TreasuryAdjustment of plant salvage coverable into U.S.	56, 100	56, 100	•••••	
Treasury	2, 276			2, 276
	7, 828, 313	6, 802, 841		1, 025, 472
	18, 565, 507	16, 400, 333		2, 165, 174
TRANSFERS BETWEEN FUNDS: Capital expenditures. Removal costs on plant retirements Increase in inventories.		(11, 870)	(821, 508) (23, 558)	821, 508 23, 558 11, 870
		(11, 870)	(845, 066)	856, 936
Net increase or decrease	(569, 268)	56, 297	154, 934	(780, 499)
EQUITY AT JUNE 30, 1958: Unobligated funds	1, 155, 327 907, 841	108, 549	1, 155, 327 799, 292	
Fixed assets, net. Inventories Unfunded liability for employees' accrued leave	29, 673, 404 137, 382 (1, 763, 899)			29, 673, 404 137, 382 (1, 763, 899)
Balance at June 30, 1958.		108, 549	1, 954, 619	28, 046, 887
10000000000000000000000000000000000000				

## TABLE 2.—Statement of Changes in Equity of U.S. Government, Year Ended June 30, 1958

## Table 3.--Statement of Operations, Year Ended June 30, 1958

	Accrued operating expenses						
Civil Functions:	Recoveries		Accrued depreciation	Other nonfund charges and r credits	Total	Net cost of operations borne by Panama Canal Company	
Customs and immigration Postal service. Police protection Fire protection Judicial system Education. Public areas and facilities Library Internal security Other civil affairs: Office of Civil Affairs Di-	837, 751 10, 130 655, 956 40, 336 1, 732, 245 	101, 643 103, 982	28, 569 26, 806 1, 139 146, 756 595, 547	\$128 	1,060,839 1,574,078 1,019,307 66,510 3,331,397 1,311,931 101,643	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
rector Civil defense			37 753				
Motor vehicle licenses and other fees		33, 757	193		00.00		
Total civil functions			805, 392	128			
HEALTH AND SANITATION: Hospitals and clinics: Gorgas Hospital and clinics. Coco Solo Hospital and	2, 191, 269		79, 768	153			
clinics Corozal Mental Hospital_	679, 279 34, 916	1, 256, 987	47,646				
Palo Seco Leprosarium	138, 861	494, 121 133, 424	11, 296 6, 902		505, 417 140, 326	$470,501 \\ 1,465$	
Other public health services: Office of Health Director_ Sanitation Garbage collection Preventive medicine and	818	113, 848 321, 376 119, 000	2, 982		113, 848 324, 358 119, 000	$\begin{array}{c} 113,030\\ 324,358\\ 119,000 \end{array}$	
quarantine Veterinarian services	2, 938 39, 600	89,351 66,861	1,707		89, 351 68, 568	86, 413	
Cemeteries, operation and maintenance	18, 486	44, 197	1, 165		45, 362	28,968	
Total health and sani-					40, 302	26, 876	
GENERAL EXPENSES:	3, 106, 167	6, 200, 256	151, 466	153	6, 351, 875	3, 245, 708	
Office of the Governor General and administrative		60, 311			60, 311	6 <b>0, 311</b>	
Recovery from Armed Forces: Portion of general and ad- ministrative expenses—con- solidation of firefighting fa-		750, 000			750, 000	750, 000	
cilities	90, 125				·····	(90, 125)	
accrued leave Recruitment and repatria-				137, 720	137, 720	137, 720	
tion		82, 450			82, 450	82, 450	
travel		246, 701			246, 701	246, 701	
Government buildings and sites	125, 254	156, 173	23, 240	101	179, 514	54, 260	
Alien cash relief: Expenses Distribution at normal rates to operating ac-		137, 975			137, 975	137, 975	
tivities Furniture pool operations:		(134, 339)		••••••	(134, 339)	(134, 339)	
Expenses		34, 685	9, 186		43, 871	43, 871	
activities		(44, 651)			(44, 651)	(44, 651)	
Canal Zone Government con- tribution to Federal em- ployees' group life insurance fund. Death and disability com-		21, 934			21, 934	21, 934	
pensation		18, 095			18, 095	18, 095	
Retroactive and other com- pensation adjustments		516, 636			516, 636	516, 636	
Miscellaneous charges and credits	9, 409	11, 283	6, 661	5, 655	23, 599	14, 190	
Total general expenses	224, 788	1, 857, 253	39,087	143, 476	2,039,816	1, 815, 028	
Total	6, 746, 741	16, 344, 233	995, 945	143, 757	17, 483, 935		
	======			110,101		10, 737, 194	

Accrued operating expenses

	'n,
	Table 4.—Changes in Fixed Assets and Related Allowances for Depreciation and Economic Valuatior Year Ended June 30, 1958
	Valu
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		50	0.0		1	10.00				6		1 0 1
1	Net book value, June 30, 1958	\$4, 620, 266	$\begin{array}{c} 7,580,330\\ 3,347,296\\ 502,104\\ 120,314\end{array}$	16, 170, 310	5, 415, 821 4, 965, 918	1,010,625 $312,788$ $125,250$	276, 025	3, 045	7, 80	76, 539	12, 229, 997	257, 056
tion	Balances June 30, 1958	\$1, 911, 820	$\begin{array}{c} 6,378,459\\ 1,002,532\\315,685\\ 69,646 \end{array}$	9, 678, 142	$\frac{1}{1,919,846}$ 1, 640, 295		238, 550 305, 348		1,098 10,911	35, 280	5, 221, 051	138, 912
Allowances for depreciation and economic valuation	Retire- ments		$\substack{(\$23, 666)\\(699)\\(7, 541)\\(894)}$	(32, 800)	(126, 231) (9, 696)	$(37, 812) \\ 1, 719$	(5,667)		(3, 026)	(75)	(180, 788)	(4, 533)
n and econ	Transfers	(\$725)	$(123, 035) \\ \underbrace{(1, 229)}_{(1, 536)}$	(131, 525)	(126, 109) (53, 734)	135, 719 (18, 773)	(8, 798)	7 3 7 1 0 1 7 0 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0	8, 787		(62, 908)	194, 433
depreciatio	Adjust- ments	\$172	$10,086 \\ 1,073 \\4,590$	15, 921			(8)				(8)	(447, 191)
wances for	Current deprecia- tion	\$128, 715	$\begin{array}{c} 328,421\\ 104,886\\ 33,057\\ 4,766\end{array}$	599, 845	151, 466 146, 756	23, 240 28, 569 5, 461	22,040	-, -84 384	193 790	9, 186	389, 439	6, 661
Allo	Balances June 30, 1957	\$1, 783, 658	$\begin{array}{c} 6,136,653\\ 897,272\\ 296,398\\ 62,720\end{array}$	9, 226, 701	2, 020, 720 1, 556, 969	627,999 202,891 71,199	238, 419 297, 781 91, 610	6, 118 6, 118	4,360	26, 169	5, 075, 316	389, 542
	Balances June 30, 1958	\$6, 532, 086	$\begin{array}{c} 13,958,789\\ 4,349,828\\ 817,789\\ 189,960\end{array}$	25, 848, 452	7, 335, 667 6, 606, 213	$1, 759, 771 \\527, 194 \\901 033$	239, 183 581, 370 56, 240	9, 547	1,949 $18,714$	111, 819	17, 451, 048	395 <b>, 9</b> 68
	Retire- ments		$\substack{(\$16, 850)\\(150)\\(8, 140)\\(612)\end{array}$	(25, 752)	(124, 123) (4, 681)	(32, 722) (332)	(5, 667)		(3, 264)	(553)	(171, 342)	
sets	Transfers	(\$3, 246)	$(166, 052) \\ - \underbrace{(7, 826)}_{(2, 044)}$	(179, 168)	(273, 658) (109, 521)	259, 604 (18, 773)	(14, 689)		14,614		(142, 423)	321, 591
Fired assets	Adjust- ments	\$1, 229	$113, 156 \\ 9, 545 \\47, 189$	171, 119			(15)				(15)	(1, 097, 847)
	Current additions	\$142, 872	34, 344 196, 483 59, 300	432, 999	151,040 186,909	13,402 15,661	5, 768			22, 346	395, 126	
	Balances June 30, 1957	\$6, 391, 231	$\begin{array}{c} 13,994,191\\ 4,143,950\\ 774,455\\ 145,427\end{array}$	25, 449, 254	7, 582, 408 6, 533, 506	$1, 519, 487 \\530, 638 \\201, 933$	239, 183 595, 973 56, 840	9, 547	1, <sup>949</sup> 7, 364	90, 026	17, 369, 702	1, 172, 224
	LAND [MPROVENENT9.	Permanent townsites Highways, roads, streets	and sidewalks. Sewer system Street lighting system Fire hydrant system	Total land improvements.	BUILDINGS AND EQUIPMENT: Health Burgau Schools DIvision General offices and other	buildings Police Division Postal service	Customs and Immigration. Fire Division Magistrates' Courts.	Miscelianeous equipment	Civil Affairs Director	equipment pool	Total buildings and equipment	FACILITIES HELD FOR FUTURE USE

FINANCIAL REPORT AND STATISTICAL DATA

142

1, 016, 041	1, 016, 041 29. 673. 404								
136, 400	136, 400 15, 174, 505								
(56, 939)	(56, 939)								
	(121 972)	(401, 210)							
	005 045	990, 940							
193, 339	193, 339	14, 884, 898							
1, 016, 041 136, 400	1, 152, 441	44, 847, 909							
(77, 966)		(275, 060)							
(5, 775) 4, 358	(1, 417)	(928, 160)							
(6, 617) 16, 669	10, 052	1 838, 177							
1, 028, 433 193, 339	1, 221, 772	45, 212, 952							
CONSTRUCTION AND RETIRE- MENTS IN PRODESS: CONSTRUCTION WORK Retirements	Total construction and retirements in progress.	Totals	1 Current expendi- Removal costs, \$821,508 Removal costs, plant retre- ments	Less salvage credits 6,888	838, 177				

### CANAL ZONE GOVERNMENT

#### STATISTICAL DATA

#### Personnel data

The U.S.-rate force of the Canal Zone Government numbered 1,143 as of June 30, 1958, in comparison with 1,141 on June 30, 1957. The non-U.S.-citizen force numbered 1,203 as of June 30, 1958, as compared with 1,168 on June 30, 1957. The increase in non-U.S.-citizen employees occurred in the Sanitation Division and was necessary to handle the intensified malaria control campaign.

The number of full-time employees of the Canal Zone Government organization paid at U.S. and Canal Zone rates are shown in the following table:

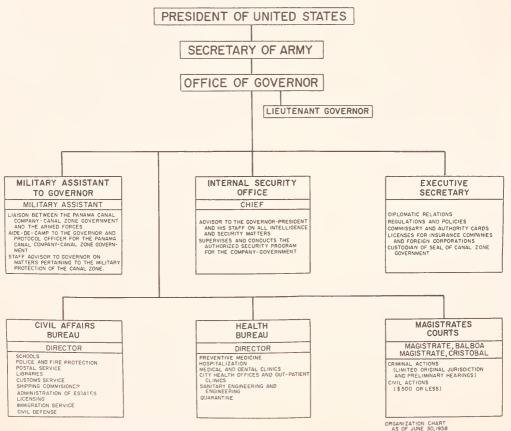
#### Number of Full-time Employees Paid at United States Rates

	As of June 30-		
Canal Zone Government	1958	1957	
Governor's office and staff	18	18	
Magistrates' Courts	5	6	
Civil Affairs Director	7	8	
Postal Division	95	94	
Customs Division	49	48	
Fire Division	55	56	
Police Division	186	183	
Libraries	9	8	
Licenses	6	6	
Schools	288	278	
Health Director	9	9	
Quarantine and preventive medicine	9	8	
Hospitals and clinics	398	412	
Sanitation	9	6	
Total Canal Zone Government	1, 143	1, 141	

#### Number of Full-time Employees Paid at Canal Zone Wage Rates

	As of Ju:	ne 30—
Canal Zone Government	1958	1957
Magistrates' Courts	$^{2}$	1
Civil Affairs Director:		
Customs Division	12	13
Fire Division	141	147
Police Division	39	39
Libraries	õ	4
Licenses	1	1
Schools	247	230
Health Director:		
Quarantine and preventive medicine	6	6
Hospitals and clinics	626	639
Sanitation	124	88
Total Canal Zone Government	1, 203	1, 168

## CANAL ZONE GOVERNMENT



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#### CANAL ZONE GOVERNMENT

### Area of Canal Zone

The total area of the Canal Zone as of June 30, 1958, with areas segregated for various purposes, is shown in the table below:

Land area		Square miles		
Air Force, Army, and Navy reservations (inclusive of licenses				
and letters of permission): Air Force Army Navy	14.06 114.70 18.68			
Total		147.44		
Canal Zone townsites and areas outside of townsites in active		11 50		
use Miscellaneous assigned land areas:		11. 78		
Barro Colorado Island	5.71			
Madden Forest Preserve (excluding Madden Road) Cattle pastures	5.38 2.50			
Commercial licenses (agricultural leases and garden plots)_	$\frac{2.60}{2.67}$			
Total		16. 26		
Swamps		15.14		
Remaining usable land (largely mountain or jungles)		181. 70		
Total land area of the Canal Zone		372. 3 <b>2</b>		
Water area	Square	miles		
Fresh water Tidewater (Atlantic and Pacific within 3-mile limit)	$186. \ 07 \\ 89. \ 45$			
Total water area of the Canal Zone Total area of the Canal Zone		275.52 647.84		

U. S. GOVERNMENT PRINTING OFFICE: 1988

