

GP3.9:67/44

# MONTHLY CATALOG



OAM-INV6070

UNITED STATES

GOVERNMENT PUBLICATIONS

AUGUST 1964

Entries 13556-15180

835

R

015.973

Un3mo

1964

## DISTRIBUTION OF PUBLICATIONS

In ordering publications listed in this catalog, it should be noted that *only* those marked with an asterisk (\*) are obtainable from the Superintendent of Documents.

Publications marked with a farad (Φ) are sold by the Office of Technical Services, Commerce Dept.

Where a single dagger (†) is the distribution symbol, application should be made directly to the department or bureau issuing the document.

\* For sale by SUPERINTENDENT OF DOCUMENTS

Φ For sale by Office of Technical Services,  
Commerce Dept.

† Distribution made by Issuing Office. Not  
definitely available if unaccompanied by  
a price

‡ Printed for Official Use  
(not available for distribution)

• Sent to Depository Libraries

# MONTHLY CATALOG

OF UNITED STATES  
GOVERNMENT PUBLICATIONS



---

AUGUST 1964

Number 835

---

Entries 13556-15180

Issued by the SUPERINTENDENT OF DOCUMENTS

---

UNITED STATES GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C., 20402 : 1964

# MONTHLY CATALOG

OF UNITED STATES  
GOVERNMENT PUBLICATIONS

Number 528

AUGUST 1934

L.C. Card 4-18088

FOR SALE BY THE SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT  
PRINTING OFFICE, WASHINGTON, D.C., 20402. PRICE 50 CENTS PER COPY  
EXCEPT DECEMBER (INDEX) ISSUE, WHICH VARIES IN PRICE  
SUBSCRIPTION PRICE \$4.50 PER YEAR (INCLUDING INDEX)  
\$1.50 ADDITIONAL FOR FOREIGN MAILING

Issued by the Superintendent of Documents  
United States Government Printing Office, Washington, D.C. 20402



## PREVIEWS

The following publications are in the process of being printed. Advance sales orders may be placed for these publications. Orders will be scheduled and copies mailed as soon as stocks are received. It is not possible to estimate the lapse of time before the publications will actually appear. All information in regard to title, series, classification, distribution, and price given in these listings is preliminary and subject to change when the publications actually come from the press. Those so marked will be sent to depository libraries, providing, that at the time of going to press, the libraries were on list to receive the items under which these publications will be distributed.

- AAS-NASA symposium on physics of solar flares. (National Aeronautics and Space Administration, NASA SP-50.) \$3.25. ● NAS 1.21: 50
- Cancer rates and risks. (National Institutes of Health, Public Health Publication 1148.) 40c. ● FS 2.22: C 16/23
- Chemical statistics directory, no. 3. (Business and Defense Services Administration.) 55c. ● C 41.2: C 42/2/no. 3
- Clarity in technical reporting. (National Aeronautics and Space Administration, NASA SP 7010.) 15c. ● NAS 1.21: 7010
- Commercial potato production. (Agriculture Department, Agriculture handbook 267.) 60c. ● A 1.76: 267
- Common trees of Puerto Rico and the Virgin Islands. (Agriculture Department, Agriculture handbook 249.) \$4.25. ● A 1.76: 249
- Decisions and orders, National Labor Relations Board, vol. 143. \$5.00. ● LR 1.8: 143
- Dining areas, house planning aids. (Agriculture Department, Miscellaneous publication 960.) 5c. ● A 1.38: 960
- Emergency health preparedness publications catalog. (Public Health Service, Publication 1071-A-1, Health mobilization series.) 20c. ● FS 2.302: A-1
- Establishing and managing young apple orchards. [Slightly revised July 1964.] (Agriculture Department, Farmers' bulletin 1897.) 15c. ● A 1.9: 1897/5
- Evaluation of bermuda grass varieties for general purpose turf. (Agriculture Department, Agriculture handbook 270.) 25c. ● A 1.76: 270
- Farmers' checklist for pesticide safety. (Agriculture Department, Program aid, PA-622.) 5c. ● A 1.68: 622
- Forests and forest industries of Brazil. (Forest Service, Forest resource report 16.) 40c. ● A 13.50: 16
- 4-H clubs. (Agriculture Department, Program aid, PA-512, Revised.) 5c. ● A 1.68: 512/2
- Guide to budgeting for the young couple. (Agriculture Department, Home and garden bulletin 98.) 10c. ● A 1.77: 98
- Homemakers estimates on how long food on hand could be made to last. (Agriculture Department, Marketing research report 669.) 40c. ● A 1.82: 669
- Improved handling of dairy products in retail food stores. (Agriculture Department, Marketing research report 661.) 20c. ● A 1.82: 661
- Instruction in farm mechanics. (Education Office, OE-81009, Vocational Division bulletin 267, Agriculture series 70.) 50c. ● FS 5.281: 81009
- Interplanetary Explorer satellites (Explorer XVII). (National Aeronautics and Space Administration, NASA facts v. 2, no. 1.) 15c. ● NAS 1.20: 2/1
- Manpower development and training program, management aide in low-rent public housing project, suggested training program. (Education Office, OE-87001.) 20c. ● FS 5.287: 87001
- Manpower development and training program, supervised food service worker, suggested training program. (Education Office, OE-87004.) 20c. ● FS 5.287: 87004

- Pinnacles National Monument, Calif. (National Park Service.) 10c. ●  
 I 29.21 : P 65/2/964
- Producer delivery pattern in New England markets. (Agriculture Department.  
 Marketing research report 672.) 65c. ● A 1.82 : 672
- Profitable sale in U.S. trade centers overseas. [Revised July 1964.] (Inter-  
 national Commerce Bureau.) 15c. ● C 42.2 : T 67/11
- Reemployment rights of Federal employees who perform duty in the Armed  
 Forces. (Civil Service Commission, Pamphlet 51, Revised.) 5c. ●  
 CS 1.48 : 51/5
- Research for health, report from National Institutes of Health. (National In-  
 stitutes of Health, Public Health Service publication 1205.) 55c. ●  
 FS 2.22 : R 31/9
- Specifications for Library of Congress microfilming. (Library of Congress.)  
 LC 1.6/4 : M 58
- Student trainee report, summer 1963. (Weather Bureau.) 50c. ●  
 C 30.77 : 963
- Success and failure factors in small business. (Small Business Administration,  
 Administrative management course program, Topic 1.) \$1.25. ●  
 SBA 1.24 : 1
- Treasury agent. (Treasury Department.) 30c. ● T 1.2 : T 71/5/964
- U.S. balance of payments, simplified international accounts and how it affects  
 our economy. (Commerce Department.) 25c. ● C 1.2 : P 29

## Contents

---

	Page
Previews -----	III
Abbreviations, Explanation-----	VI
General Information-----	VII
How To Order Publications-----	VIII
New Classification Numbers-----	IX
Discontinued Series-----	X
Corrections for Previous Monthly Catalogs -----	X
Classified List of Government Au- thors-----	XI
Monthly Catalog-----	1
Index-----	99

---

## Abbreviations

add-----	addition, addendum, addenda.	n. d-----	no date.
amdt., amdts-----	amendment, amendments.	n. p-----	no place.
app-----	appendix, appendixes.	no., nos-----	number, numbers.
bk., bks-----	book, books.	p-----	page, pages.
chap-----	chapter, chapters.	p. of pl-----	pages of plate.
Cong-----	Congress.	par., pars-----	paragraph, paragraphs.
Dept-----	Department.	pl-----	plate, plates.
doc-----	document.	por-----	portrait, portraits.
8°-----	Octavo.	pt., pts-----	part, parts.
fo-----	folio.	rp-----	report.
facsim-----	facsimile, facsimiles.	S-----	Senate, Senate bill.
4°-----	quarto.	S. Con. Res-----	Senate concurrent resolution.
fy-----	fiscal year.	S. doc-----	Senate document.
G.H.A-----	Greenwich hour angle.	S. ex. doc-----	Senate executive document.
H-----	House.	S. ex. rp-----	Senate executive report.
H. Con. Res-----	House concurrent resolution.	S. J. Res-----	Senate joint resolution.
H. doc-----	House document.	S. Res-----	Senate resolution.
H. ex. doc-----	House executive document.	S. rp-----	Senate report.
H. J. Res-----	House joint resolution.	sec-----	section, sections.
H. R-----	House of Representatives, House bill.	sess-----	session, sessions.
H. Res-----	House resolution.	16°-----	sixteenmo.
H. rp-----	House report.	Stat. L-----	Statutes at large.
il-----	illustration, illustrations.	supp-----	supplement.
in-----	inch, inches.	tab-----	table, tables.
lat-----	latitude.	32°-----	thirty-two mo.
long-----	longitude.	Treas-----	Treasury.
m-----	mile.	12°-----	twelvemo.
MRC-----	Mississippi River Commission.	24°-----	twenty-four mo.
		v-----	volume, volumes.
		vs., v-----	versus.

Common abbreviations for the names of States, months, etc., are also used.

## Explanation

The individual issuing department, bureau, office, or agency is considered the publisher of Government publications.

Words and figures enclosed in brackets [ ] are given for information, but do not appear on the title pages of the publications cataloged. Place and printer are not given for publications printed at the United States Government Printing Office, Washington, D.C., or at Government departmental and field printing plants. Size is not given for octavo publications. Size of maps is approximate, measurement being made from outer edge of border, excluding margin. The dates given with Senate and House documents and reports are the dates on which they were ordered to be printed. Usually the printing promptly follows the ordering, but various causes sometimes make delays.

Under provisions of the Printing Act of January 12, 1895, all Government publications are entered in the Monthly Catalog. However, administrative and confidential (or restricted) publications are omitted.

The L.C. card number appended to some of the entries is for those libraries ordering printed cards from the Library of Congress. The number at the extreme right of an entry indicates the classification of the publication in the Office of the Superintendent of Documents.



# General Information

The Superintendent of Documents, Government Printing Office, Washington, D.C., is authorized by law to sell copies of Government publications and to allow a discount of 25 percent to book dealers and also to quantity purchasers of 100 or more copies of a single publication on condition that they will adhere to the public sales price set by the Superintendent of Documents and that publications shall not be overprinted with any advertising matter.

Publications cannot be supplied free to individuals nor forwarded in advance of payment.

## PRICE LIST

There is no general price list of public documents, but numerous lists have been prepared on special subjects and any of these will be furnished free, on application, by subject or subjects concerning which information is desired. It will also be noted that current publications which are for sale are listed in this catalog.

## LIST OF SELECTED PUBLICATIONS

In addition to the price lists, the Documents Office issues a biweekly list of Selected United States Government publications for sale by the Superintendent of Documents. Each list is arranged alphabetically by subjects, with annotations and prices, and may be obtained free upon application to the Superintendent of Documents.

## CONGRESSIONAL BILLS, DOCUMENTS, AND REPORTS

More than 12,000 different bills are usually introduced during a Congress, and there are additional prints on many during the progress of the legislation. With the exception of a very few—such as revenue bills—the demand is an unknown quantity and on most of them we receive no orders, which makes it impossible to print a sales supply. It may be that a copy could be obtained from your Congressman.

A difficult problem is also presented in providing a supply of congressional documents, hearings, and reports because there are approximately 6,000 of this class of publications issued during a Congress and only a few of them are called for. We will attempt to print for sale a few of the more important ones, but if not priced the only possible source would be from your Congressman.



## HOW TO ORDER PUBLICATIONS

Publications entered in this catalog that are for sale by the Superintendent of Documents are indicated by an asterisk (\*) preceding the price. Those for sale by the Office of Technical Services, Commerce Department, are indicated by a farad (⚡) preceding the price. A black dot (●) indicates that the publication has been or will be sent to depository libraries. A dagger (†) indicates that application should be made to the department, bureau, or agency issuing the document. A double dagger (‡) indicates that the document is printed for official use and is not obtainable. Whenever additional information concerning the method of procuring a document seems necessary, it will be found under the name of the bureau by which it was published.

In ordering a publication from the Superintendent of Documents, give (if known) the name of the publishing department, bureau, or agency, and the title, together with the classification number which is added to the entry at the extreme right; order the congressional documents and reports by the title, together with the document or report number and the Congress, e.g., H. doc. 103, 88th Congress.

Do not use the L.C. card number in ordering a publication from the Superintendent of Documents.

### HOW TO REMIT

Remittances for documents marked with an asterisk (\*) should be made to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402, by coupon, postal money order, express order, or check. Publications cannot be mailed in advance of receipt of remittance. Currency may be sent at sender's risk. Foreign remittances should be made either by international money order or draft on an American bank.

*Foreign money, defaced or smooth coins, will not be accepted. Do not send postage stamps.*

For the convenience of the general public, coupons in the denomination of 5c that are good until used in exchange for Government publications sold by the Superintendent of Documents, may be purchased from this office. Address order to Superintendent of Documents, Government Printing Office, Washington, D.C., 20402.

Persons who made frequent purchases from the Superintendent of Documents may find a deposit account convenient. Deposits of \$25.00 or more are accepted against which orders may be placed without making individual remittances or first obtaining quotations. Order blanks are furnished for this purpose. After the handling of the order has been completed, it will be returned showing the publications supplied, explanations regarding those not sent, the amount of charge, and the balance on deposit.

No charge is made for postage on documents forwarded to points in United States and possessions, or to Canada, Cuba, Mexico, and certain Central and South American countries. To other countries the regular rate of postage is charged, and remittances must cover such postage. In computing foreign postage, add one-fourth of the price of the publication.

### LIBRARY CLASSIFICATION IN DOCUMENTS OFFICE

The classification given at the right of entries for departmental publications is that used in the Library of the Division of Public Documents. It is also used as a catalog number for sales stock of this office. The shilling mark (/) separates what would ordinarily be superior or inferior numbers or letters, as it is not practicable to print these numbers or letters as superiors or inferiors in the Monthly Catalog.

# New Classification Numbers

A 1.102: date-----	Agriculture Department. Orderly liquidation of stocks of agricultural commodities held by Commodity Credit Corporation and expansion of markets for surplus agricultural commodities, annual report by Secretary of Agriculture in response to sec. 201 (b), Public law 540, 84th Congress.
C 30.59/45: v.nos-----	Weather Bureau. Storage-gage precipitation data for Western United States.
C 30.71/8: nos-----	Decennial census of United States climate, Climatic Summary of United States, supplement 1951-60, Climatography of United States no. 86-(series).
C 42.8/3: date-----	International Commerce Bureau. International commerce, quarterly index.
C 46.24: CT-----	Area Redevelopment Administration. Economic redevelopment research.
D 203.24/3: CT-----	Naval Oceanographic Office. National Oceanographic Data Center publications (unnumbered).
D 203.24/4: date-----	National Oceanographic Data Center announcements.
D 301.45/40: nos-----	Air Force Department. Physical sciences research papers.
FS 2.22/37-2: date-----	National Institutes of Health. Statistical report, annual tabulations of Model Reporting Area for Blindness Statistics.
FS 2.22/38-4: date-----	Directory of outpatient psychiatric clinics, psychiatric day-night services, and other mental health resources in United States and territories. NOTE.—See, for earlier class, FS 2.22: P 95/5/ date.
FS 2.22/44: date-----	Annual Conference of Model Reporting Area for Mental Hospital Statistics, proceedings, panel presentations, etc.
FS 5.74: v.nos.& nos-----	Education Office. IE instruction in agriculture, programs, activities, developments.
FS 14.8: CT-----	Welfare Administration. Handbooks, manuals, guides.
FS 14.9/a: CT-----	Aging (separates).
FS 14.13: CT-----	Bibliographies and lists of publications.
FS 14.120: date-----	Children's Bureau. Project on cost analysis in children's institutions. NOTE.—See, for earlier class, FS 14. 102: In 7.
FS 14.215: date-----	Family Services Bureau. Source of funds expended for public assistance payments. NOTE.—See, for earlier class, FS 14.202: P 96/2/ date.
FS 14.216: CT-----	Addresses.
I 20.48: CT-----	Indian Affairs Bureau. Bibliographies and lists of publications.

## GOVERNMENT PUBLICATIONS

- L 1.47: CT----- Labor Department.  
Laws.  
Library of Congress.  
I.C 1.30/4: v.nos.& nos----- Israel, accessions list (monthly).  
National Aeronautics and Space Administration.  
NAS 1.30: date----- Semiannual procurement report.  
Emergency Planning Office.  
PrEx 4.6/8: chap. (nos.)----- National plan for emergency preparedness.  
State Department.  
S 1.67/2: date----- Educational and cultural exchange program,  
fiscal year, American grantees, educational  
travel, students, teachers, lecturers, research  
scholars, specialists.  
NOTE.—See, for earlier class, S 1.2: G 76/962.  
S 1.67/3: date----- Interagency directory, key contacts for plan-  
ning and development of educational, cul-  
tural, scientific and technical exchange pro-  
grams.  
Interagency Development Agency.  
S 18.33: v.nos.& nos----- Development research digest, journal of se-  
lected excerpts, summaries and reprints of  
current materials on economic and social de-  
velopment; prepared by National Develop-  
ment Association.  
NOTE.—v. 1, no. 1 has title Development research  
review.

## Discontinued Series

- Census Bureau.  
C 3.164: 110/date----- Foreign trade report: FT 110, United States im-  
ports of merchandise for consumption, com-  
modity by country of origin (monthly).  
NOTE.—Discontinued with Jan. 1964 issue. Re-  
placed by Foreign trade report FT 125, C 3.164:  
125/(date).  
C 3.164: 120/date----- Foreign trade report: FT 120, United States im-  
ports of merchandise for consumption, coun-  
try of origin by SITC commodity group  
(monthly).  
NOTE.—Discontinued with Jan. 1964 issue. Re-  
placed by Foreign trade report FT 125, C 3.164:  
125/(date).

## Corrections for Previous Monthly Catalogs

- Dec. 1958. Entry 17234, History of U.S. Marine Corps operations in World War  
2: v. 1, Pearl Harbor to Guadalcanal. Correct class to read D 214.13: W 89/  
v. 1.  
Apr. 1963. Entry 6022, Negro airmen in northern community, discrimination in  
Rapid City, S. Dak., report of South Dakota Advisory Committee to United  
States Commission on Civil Rights. Correct class to read CR 1.2: R 18.  
Mar. 1964. Entry 5531 (incorrectly printed 5529). Correct first line to read:  
5531 F-136. Problem of direct conversion of chemical energy into electrical  
energy.  
Apr. 1964. Entry 5963, AEC research and development report HN-172 (v. 1, 2),  
Study of test reactor operating and safety experience. In 5th line of entry,  
change Berkeley, Calif. to read Los Angeles, Calif.  
June 1964. Entry 11656. Correct title to read Titanium dioxide from Japan,  
determination of no injury or likelihood thereof.

## Classified List of Government Authors

	Beginning entry
Administrative Office of United States Courts.....	13556
Agriculture Department.....	13575
Agricultural Marketing Service.....	13557
Agricultural Research Service.....	13563
Commodity Credit Corporation.....	13832
Economic Research Service.....	14168
Farmer Cooperative Service.....	14220
Federal Extension Service.....	14236
Foreign Agricultural Service.....	14288
Forest Service.....	14295
National Agricultural Library.....	14930
Soil Conservation Service.....	15089
Statistical Reporting Service.....	15128
Arms Control and Disarmament Agency.....	13668
Atomic Energy Commission.....	13689
Civil Aeronautics Board.....	13786
Civil Service Commission.....	13795
Commerce Department.....	13817
Area Redevelopment Administration.....	13656
Business and Defense Services Administration.....	13740
Census Bureau.....	13746
Coast and Geodetic Survey.....	13812
International Commerce Bureau.....	14369
Maritime Administration.....	14723
National Bureau of Standards.....	14932
Technical Services Office.....	15135
Patent Office.....	15018
Public Roads Bureau.....	15072
Weather Bureau.....	15150
Congress.....	13833
Economic Joint Committee.....	13916
House of Representatives.....	13917
Agriculture Committee.....	13986
Armed Services Committee.....	13988
Banking and Currency Committee.....	13996
Education and Labor Committee.....	13998
Foreign Affairs Committee.....	14000
Government Operations Committee.....	14001
House Administration Committee.....	14005
Interior and Insular Affairs Committee.....	14006
Interstate and Foreign Commerce Committee.....	14009
Judiciary Committee.....	14010
Merchant Marine and Fisheries Committee.....	14011
Post Office and Civil Service Committee.....	14013



Congress—Continued	
House of Representatives—Continued	Beginning Entry
Public Works Committee.....	14015
Rules Committee.....	14017
Small Business, Select Committee on.....	14018
Veterans' Affairs Committee.....	14019
Ways and Means Committee.....	14020
Senate.....	14021
Aging, Special Committee on.....	14121
Agriculture and Forestry Committee.....	14124
Appropriations Committee.....	14125
Armed Services Committee.....	14126
Banking and Currency Committee.....	14128
Commerce Committee.....	14132
Finance Committee.....	14133
Foreign Relations Committee.....	14136
Government Operations Committee.....	14138
Interior and Insular Affairs Committee.....	14140
Judiciary Committee.....	14147
Labor and Public Welfare Committee.....	14151
Rules and Administration Committee.....	14156
Customs Court.....	14159
Defense Department.....	14160
Air Force Department.....	13600
Armed Forces Information and Education.....	13667
Army Department.....	13669
Army Medical Service.....	13688
Engineers Corps.....	14201
Lake Survey.....	14714
Ordnance Corps.....	15017
Transportation Corps.....	15136
Civil Defense Office.....	13792
Defense Documentation Center.....	14165
National Guard Bureau.....	14943
Navy Department.....	15014
Marine Corps.....	14721
Medicine and Surgery Bureau.....	14727
Naval Operations Office.....	14996
Naval Observatory.....	14989
Naval Oceanographic Office.....	14990
Naval Personnel Bureau.....	14997
Naval Research Office.....	15002
Naval Weapons Bureau.....	15008
Ships Bureau.....	15078
Yards and Docks Bureau.....	15180
Federal Aviation Agency.....	14221
Air Traffic Service.....	13653
Aviation Medical Service.....	13726
Systems Research and Development Service.....	15132
Federal Communications Commission.....	14233
Federal Home Loan Bank Board.....	14238
Federal Power Commission.....	14246
Federal Reserve System Board of Governors.....	14257



	Beginning Entry
Federal Trade Commission.....	14261
Foreign-Trade Zones Board.....	14294
General Services Administration.....	14336
Federal Supply Service.....	14259
National Archives and Records Service.....	14931
Federal Register Office.....	14254
Government Printing Office	
Public Documents Division.....	15036
Health, Education, and Welfare Department.....	14358
Education Office.....	14177
Food and Drug Administration.....	14286
Public Health Service.....	15040
National Institutes of Health.....	14946
Social Security Administration.....	15081
Federal Credit Unions Bureau.....	14234
Welfare Administration.....	15165
Children's Bureau.....	13776
Family Services Bureau.....	14215
Housing and Home Finance Agency	
Federal Housing Administration.....	14240
Urban Renewal Administration.....	15142
Interagency Committee on Water Resources.....	14363
Interior Department.....	14364
Bonneville Power Administration.....	13738
Fish and Wildlife Service.....	14262
Geological Survey.....	14337
Indian Affairs Bureau.....	14361
Mines Bureau.....	14729
National Park Service.....	14963
Reclamation Bureau.....	15075
Interstate Commerce Commission.....	14399
Joint Publications Research Service.....	14408
Justice Department.....	14600
Federal Bureau of Investigation.....	14232
Immigration and Naturalization Service.....	14359
Labor Department.....	14661
Federal Safety Council.....	14258
Labor Standards Bureau.....	14670
Labor Statistics Bureau.....	14685
Manpower Administration	
Employment Security Bureau.....	14200
Veterans' Reemployment Rights Bureau.....	15145
Wage and Hour and Public Contracts Divisions.....	15146
Women's Bureau.....	15172
Library of Congress.....	14715
Copyright Office.....	14157
National Aeronautics and Space Administration.....	14767
National Labor Relations Board.....	14959
National Railroad Adjustment Board.....	14982
National Science Foundation.....	14987
Post Office Department.....	15020
President of United States.....	15029

	Beginning Entry
Railroad Retirement Board.....	15074
Small Business Administration.....	15079
Smithsonian Institution	
National Museum.....	14961
State Department.....	15094
International Development Agency.....	14396
Tariff Commission.....	15133
Treasury Department.....	15139
Coast Guard.....	13814
Internal Revenue Service.....	14366
United States Information Agency.....	15141
Veterans Administration.....	15143

# Monthly Catalog

NO. 835 • AUGUST 1964

## ADMINISTRATIVE OFFICE OF UNITED STATES COURTS

- 13556 Persons under supervision of Federal probation system, fiscal year 1963; prepared by Division of Procedural Studies and Statistics. May 18, 1964. [1]+x+85 p. il. 4° †  
L.C. card 64-62120

Ju 10.2: P 94

## AGRICULTURAL MARKETING SERVICE, Agriculture Dept.

AMS (series). †

A 88.40: (nos.)

- 13557 15. List of plants operating under USDA poultry and egg inspection and grading programs. Revised July 1964. [1964.] 68 p. 4° (Poultry Division.)  
● Item 19-A  
L.C. card 60-60475
- 13558 100 (1964.) Plants under USDA continuous inspection, processed fruits and vegetables and related products [as of July 1, 1964.] July 1964. [2]+38 p. 4° (Fruit and Vegetable Division, Processed Products Standardization and Inspection Branch.) ● Item 19-A  
L.C. card 59-62320
- 13559 261 (1964.) Bulk cooling tanks on farms supplying Federal milk order markets [Jan. 1964.] June 1964. 16 p. 4° (Milk Marketing Orders Division.)  
L.C. card 64-62111
- 13560 537. Quality and respiration rates in stock flowers treated with N<sup>6</sup> benzylamino-purine [with list of literature cited; by M. Uota and C. M. Harris]. [June 1964.] 8 p. il. 4°  
L.C. card Agr 64-350

- 13561 Cotton varieties planted in early producing section of Texas, 1964. [June 16, 1964.] 3 p. 4° †  
A 88.11/11: 964

- 13562 United States standards for grades of canned tomatoes, effective July 24, 1964. 7th issue. [1964.] [2]+7+iii p. 4° [Supersedes Standards which have been in effect since Aug. 1, 1946.] †  
A 88.6/2: T 591/5

## AGRICULTURAL RESEARCH SERVICE, Agriculture Dept.

ARS (series). †

A 77.15: (nos.)

- 13563 33-92. Field experiments for control of cabbage insects; by M. W. Stone and R. G. Prochaska. June 1964. 12 p. 4°  
L.C. card Agr 64-365
- 13564 33-93. Persistence of telodrin and DDT on sweet corn as determined by gas chromatography; by Malcolm C. Bowman and John R. Young. June 1964. 7 p. il. 4°  
L.C. card Agr 64-347
- 13565 33-96. Cost of cotton insect control with insecticides at Tallulah, La.; by G. L. Smith, T. C. Cleveland, and J. C. Clark. June 1964. 7 p. 4°  
L.C. card Agr 64-375
- 13566 42-88. Spray distribution patterns from Piper PA-18A airplane flying at 50 feet [by D. A. Isler and J. S. Yull]. May 1964. 17 p. il. 4°  
L.C. card Agr 64-331
- 13567 42-95. Cushioning materials for harvesting and handling fruits and vegetables; [by] E. D. Schmidt and J. H. Levin. Apr. 1964. 15 p. il. 4°  
L.C. card Agr 64-364
- 13568 44-145. DHIA sire summary list. May 1964. Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking Shorthorn, and Red Dane sires. June 1964. cover title, 153 p. 4° ● Item 25-B  
L.C. card 62-60282
- 13569 44-146. DHIA cow performance index list, registered progeny of AI sires, Feb. and May 1964. June 1964. cover title, 160 p. [Text on p. 2 of cover.] oblong 12° ● Item 25-B
- 13570 71-32. Composition of commercial grades of corn, oats, and grain sorghums [with list of literature cited; by J. E. Hubbard, F. R. Earle, and J. J. Curtis.] Apr. 1964. [2]+20 p. 4°  
L.C. card Agr 64-367

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

Page 1

# GOVERNMENT PUBLICATIONS

## ARS (series)—Continued

- 13571 73-43. Flavor contribution of Turkish tobacco in blended cigarettes [with list of literature cited; by R. L. Stedman and C. D. Stills]. May 1964. 8 p. [Report of work done at Eastern Utilization Research and Development Division.] L.C. card Agr 64-369
- 13572 Notices of judgment under Federal insecticide, fungicide, and rodenticide act, nos. 422-450. July 1964. p. 341-365. (Pesticides Regulation Division.) † ● Item 109  
L.C. card Agr 12-226 A 77.325: 422-450
- 13573 Plant quarantine import requirements of St. Kitts and Nevis. July 1, 1964. [2] p. (Plant Quarantine Division; St. Kitts and Nevis, 353-A.) [Issued with perforations. Supersedes P.Q. 381, dated Jan. 14, 1938.] †  
A 77.329: Sa 2k
- 13574 Standards of performance for meat inspectors, processing and non-processing operations. July 1964. cover title, [57] p. oblong 8° (Meat Inspection Division.) † ● Item 30  
A 77.202: M 46/5

## AGRICULTURE DEPARTMENT

NOTE.—Requests to the Department of Agriculture for publications should include the USDA number if given in the entry.

- 13575 [Address by Secretary of Agriculture Orville L. Freeman at international convention of United Packinghouse, Food and Allied Workers, AFL-CIO, Kansas City, Mo., May 27, 1964.] [1964.] 12 p. 4° (USDA 1745-64.) †  
A 1.40: F 87/162
- 13576 [Address by Secretary of Agriculture Orville L. Freeman before Amalgamated Lithographers of America, and International Photoengravers Union, Minneapolis, Minn., May 27, 1964.] [1964.] 12 p. 4° (USDA 1746-64.) †  
A 1.40: F 87/163
- 13577 Agricultural programs in forestry [address]; by Charles S. Murphy, Under Secretary of Agriculture at Department of Defense Forestry Management Conference, Marine Corps Schools, Quantico, Va., May 18, 1964. [1964.] 13 p. 4° (USDA 1617-64.) †  
A 1.40: M 95/20
- Agriculture handbooks. ● Item 3 A 1.76: (nos.)
- 13578 20. Principal laws relating to establishment and administration of national forests and to other Forest Service activities [prepared by Division of Legislative Reporting and Liaison of Forest Service]. Revised July 1964. [1964.] iv+127 p. [Prepared in cooperation with Division of Forestry and Soil Conservation of Office of General Counsel.] \* Paper, 40c.  
L.C. card Agr 64-354
- 13579 230. Errata, Farmer's handbook of financial calculations and physical measurements, revised Mar. 1964. [1964.] 1 p. oblong 24° †
- 13580 262. Culture of sugarcane for sugar production in Louisiana [with list of literature cited; by L. P. Hebert]. [June 1964.] [2]+40 p. il. 4 p. of pl. ([Crops Research Division], Agricultural Research Service.) [Plates are colored.] \* Paper, 45c.  
L.C. card Agr 64-338
- 13581 268. Stream-gaging stations for research on small watersheds [with bibliography; by] Kenneth G. Reinhart and Robert S. Pierce. May 1964. ii+37 p. il. 4° (Northeastern Forest Experiment Station, Forest Service.) \* Paper, 30c.  
L.C. card Agr 64-346

## Agriculture information bulletin. ● Item 4

- 13582 230. Farm costs and returns, commercial farms by type, size, and location; [prepared by Wylie D. Goodsell and others]. Revised June 1964. [1964.] vi+93 p. il. 4° (Economic Research Service.) \* Paper, 50c.  
L.C. card 57-60999 A 1.75: 230/5

## Farmers' bulletin. ● Item 9

- 13583 2199. Forage and cattle management in longleaf-slash pine forests [with list of references; by L. K. Halls and others]. [July 1964.] [2]+25 p. il. \* Paper, 15c.  
A 1.9: 2199

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# AUGUST 1964

## Leaflets. ● Item 12

A 1.35: (nos.)

- 13584 184. Elm leaf beetle; [prepared by Forest Insect Research, Forest Service]. [Revised Dec. 1960, slightly revised July 1964.] [1964.] 4 p. il. \* Paper, 5c.  
L.C. card Agr 64-366
- 13585 389. Cantaloup insects in Southwest, how to control them; [prepared by Orin A. Hills and Edgar A. Taylor]. [Revised June 1964.] [1964.] 8 p. il. ([Entomology Research Division, Agricultural Research Service.]) \* Paper, 5c.

## Marketing research reports. ● Item 13-B

A 1.82: (nos.)

- 13586 643. Reduction of postharvest decay of peaches and nectarines with heat treatments; [with list of literature cited; by W. L. Smith, jr., and others]. [June 1964.] 24 p. il. 4° (Agricultural Marketing Service, Market Quality Research Division.) \* Paper, 15c.  
L.C. card Agr 64-342
- 13587 656. Fiber and spinning properties of cotton as affected by certain harvesting and ginning practices, Yazoo-Mississippi Delta, 1959-60; [by Franklin E. Newton, E. W. S. Calkins, and Anselm C. Griffin]. [June 1964.] 27 p. 4° (Agricultural Marketing Service, Economic Research Service, Agricultural Research Service.) \* Paper, 20c.  
L.C. card Agr 64-335
- 13588 663. Household consumers' acceptance of instant sweetpotato flakes; [by Dan H. Hollon]. [July 1964.] iv+23 p. 4° (Statistical Reporting Service.) \* Paper, 20c.  
L.C. card Agr 64-336
- 13589 666. Some effects of gin drying and cleaning of cotton on fiber length distribution and yarn quality; [by John E. Ross and Edward H. Shanklin]. [July 1964.] iv+12 p. 4° (Economic Research Service, Agricultural Marketing Service.) [Prepared in cooperation with National Cotton Council. Includes list of results of related studies.] \* Paper, 10c.  
L.C. card Agr 64-337
- 13590 668. Measuring wool by staple length recorder [with list of literature cited; by H. D. Ray and others]. July 1964. 11 p. il. 4° (Agricultural Marketing Service, Livestock Division.) \* Paper, 10c.  
L.C. card Agr 64-344
- 13591 670. Prepackaging lettuce at shipping point; [by Peter G. Chapogas and Donald R. Stokes]. [July 1964.] cover title, 48 p. il. 4° (Agricultural Marketing Service, Transportation and Facilities Research Division.) \* Paper, 35c.
- 13592 671. Selecting best capacity of truck receiving facilities for country grain elevators [with bibliography; by Heber D. Bouland]. [July 1964.] cover title, 57 p. il. 4° (Agricultural Marketing Service, Transportation and Facilities Research Division.) [Page 57, last page of text is on inside of back cover.] \* Paper, 40c.  
L.C. card Agr 64-343

## Miscellaneous publication.

- 13593 964. Summary of reservoir sediment deposition surveys made in United States through 1960; [compiled by James A. Spraberry]. [May 1964.] cover title, [2]+61 p. il. 4° [Prepared by Agricultural Research Service in cooperation with Subcommittee on Sedimentation. Inter-Agency Committee on Water Resources. Supersedes Sedimentation bulletin no. 6, Apr. 1957.] \* Paper, 40c. ● Item 13-A  
L.C. card Agr 64-341

A 1.38: 964

- 13594 Orderly liquidation of stocks of agricultural commodities held by Commodity Credit Corporation and expansion of markets for surplus agricultural commodities, annual report by Secretary of Agriculture in response to sec. 201(b), Public law 540, 84th Congress. Mar. 1964. cover title, [4]+71 p. 4° †  
L.C. card 64-62151

A 1.102: 964

## PA [Program aid] (series). ● Item 14-A

A 1.68: (nos.)

- 13595 309. United States National Arboretum, Washington, D.C. [Revised June 1964.] [1964.] [8] p. il. narrow 8° †
- 13596 623. Range allotment analysis and management planning, story of range survey on national forests and national grasslands and planning for management. [July 1964.] 26+[2] p. il. oblong 24° (Forest Service.) [Blank page at end for notes.] \* Paper, 15c.
- 13597 Report of technical study group: Addendum of statistical appendix of Cotton in Soviet Union. [June 1964.] [2] p. 4° ([Foreign Agricultural Service.]) †  
L.C. card Agr. 59-189

A 1.94: C 82/add.-5

\*For Sale by Superintendent of Documents

‡For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed in Washington, D.C.,  
Unless Otherwise Indicated

Page 3



# GOVERNMENT PUBLICATIONS

Statistical bulletins. ● Item 15

A 1.34: (nos.)

- 13598 233. Changes in Farm production and efficiency, summary report, 1964; [prepared in Farm Production Economics Division, Economic Research Service]. Revised July 1964. [1964.] iv+50 p. il. 4° \* Paper, 30c.
- 13599 347. Fresh fruit and vegetable prices, 1963; [prepared by Leo G. Heflin]. June 1964. 63 p. 4° (Agricultural Marketing Service, Fruit and Vegetable Division.) \* Paper, 35c. L.C. card 46-22940

## AIR FORCE DEPARTMENT, Defense Dept.

AFCRL (series). (Air Force Cambridge Research Laboratories, Office of Aerospace Research.) D 301.45/4-3: (nos.)

- 13600 64-25. Report on research at AFCRL, survey of programs and progress in fy 1963. Feb. 1964. [4]+260 p. il. 4° Φ (Price upon application).
- 13601 64-158. See, below, Physical sciences research papers 1.
- 13602 64-163. See, below, Air Force surveys in geophysics 156.
- 13603 64-169 (1). See, below, Air Force surveys in geophysics 155 (1).
- 13604 64-190. See, below, Environmental research papers 10.
- 13605 64-315. See, below, Physical sciences research papers 11.
- 13606 64-316. See, below, Physical sciences research papers 12.
- 13607 64-317. See, below, Physical Sciences research papers 10.
- 13608 64-323. See, below, Physical sciences research papers 13.
- 13609 64-346. See, below, Environmental research papers 14.
- 13610 64-350. See, below, Physical science research papers 15.
- 13611 64-364. See, below, Environmental research paper 15.

Air Force Flight Test Center: Technical documentary report FTC-TDR (series). (Air Force Systems Command, Edwards Air Force Base, Calif.) ‡ D 301.45/31-2: (nos.)

- 13612 63-32. Category 2 stability and control tests of HH-43B helicopter [with list of references; by] Frank H. Tanaka, Gene L. Colvin. May 1964. cover title, iii-iv+206 p. il. 4° (AFFTC project directive 60-21.)
- 13613 63-35. C-135B category 2 performance tests [with list of references; by] Marlon H. Yancey, jr., Carl S. Cross. June 1964. cover title, iii-iv+128 p. il. 4° (AFFTC test directive 62-54.)
- 13614 Same: Appendix 4; [by] Marlon H. Yancey, Carl S. Cross. [1964.] cover title, iii+442 p. 4°
- 13615 64-2. Limited C-130E category 2 stability and control tests [with list of references; by] Kenneth L. Martin, William R. Loewe. [1964.] cover title, iii-ix+93 p. il. 4°
- 13616 64-6. C-135B limited category 2 stability and control tests [with list of references; by] Marlon H. Yancey, jr., Carl S. Cross. July 1964. cover title, iii-iv+66 p. il. 4° (AFFTC project directive 62-54.)
- 13617 64-10. Human free-fall trajectories; [by] Ralph H. Puddycomb. June 1964. cover title, iii-iv+30 p. il. 4°
- 13618 64-13. Tunnel diode amplifiers, model EK/A-S, model EK/A-L1, model EK/A-L2 [with list of references; by] Ewen Knight Corporation, Oak and Pine Streets, East Natick, Mass. July 1964. cover title, ii-v+23 p. il. 4° (Air Force contract AF 33(600)-42309.) ‡
- 13619 64-14. YAT-37D systems evaluation; [by] John J. Sullivan, Joe H. Engle. July 1964. cover title, iii-iv+67 p. il. 4° (Air Force program project structure 912A.)
- 13620 64-18. Evaluation of UH-1D 48-foot rotor equipped with XM-6E2 armament kit; [by] Donald C. Peterson, Phillip E. Neale, jr. July 1964. cover title, iii-iv+19 p. il. 4°
- 13621 64-19. Flight evaluation of UH-1B helicopter equipped with XM-5 armament kit [by] Joseph M. Kudirka, Paul J. Balfe. July 1964. cover title, iii-iv+18 p. il. 4°
- 13622 64-20. Evaluation of UH-1D 48-foot rotor with Kellet 60-gallon external fuel tanks; [by] Edgar D. Smith, Phillip E. Neale, jr. July 1964. cover title, iii-iv+21 p. il. 4°
- 13623 64-21. Evaluation of UH-1B with 60-gallon external fuel tanks; [by] Peter H. Dezzani, Robert L. Baldwin. July 1964. cover title, iii-iv+29 p. il. 4°

Air Force manual AFM (series). ● Item 421

- 13624 95-3. Installation and maintenance of aerial photographic equipment [with reference list of technical publications]. [June 15, 1964.] iii+431 p. +leaves 433-436, il. 4° [Supersedes AFM 95-3, Dec. 28, 1961.] \* Paper, \$2.75. L.C. card 64-62126

D 301.7: 95-3/3

\*For Sale by Superintendent of Documents

‡Distribution Made by Issuing Office

ΦOfficial Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C., Unless Otherwise Indicated

# AUGUST 1964

## Air Force pamphlet AFP (series).

- 13625 190-2-2. Releasable data on USAF aerospace vehicles [with bibliography]. June 1, 1964. iv+109 p. il. 4° (Aerospace Information handbook, v. 3.) [Supersedes AFI 190-2-1, June 1960, as amended. Issued with perforations.] ‡ ● Item 421-A D 301.35:190-2-2  
L.C. card 64-62108

## Air force surveys in geophysics. (Air Force Cambridge Research Laboratories, Office of Aerospace Research.) Φ (Price upon application).

D 301.45/9: (nos.)

- 13626 155(1). Celestial background radiation: 1. Revised scale of bolometric corrections [with list of references; by] Russell G. Walker. Mar. 1964. x+85+[6] p. il. 4° (AFCRL 64-169(1); Optical Physics Laboratory project 7670.) Φ (Price upon application).  
13627 156. Operational prediction of diffusion downwind from line sources [with list of references; by] William P. Elliott, Morton L. Barad. Mar. 1964. v+56 p. 4° (AFCRL-64-163; Meteorology Laboratory project 7655.)

## Environmental research papers. (Air Force Cambridge Research Laboratories, Office of Aerospace Research, L. G. Hanscom Field, Mass.)

D 301.45/39: (nos.)

- 13628 10. Search for rainfall calendaricities [with list of references; by] Glenn W. Brler, Ralph Shapiro, Norman J. MacDonald. Mar. 1964. [1]+529-532 +[1] p. il. 4° (AFCRL-64-190; Meteorology Laboratory project 8604.) [Reprinted from Journal of atmospheric sciences, v. 20, no. 6, Nov. 1963.] ‡  
13629 14. Sunrise effects on east-west ionospheric propagation paths [with list of references; by] Thomas D. Conley, David Blood. May 1964. vii+12 p. il. 4° (AFCRL-64-346; Upper Atmosphere Physics Laboratory project 4649.) Φ (Price upon application).  
13630 15. Project Firefly 1962-63 [articles, with list of references]; N. W. Rosenberg, editor. May 1964. vi+445 p. il. 4° (AFCRL-64-364; Upper Atmosphere Physics Laboratory project 7635.) [Errata, 1 p. issued also.] Φ (Price upon application).

## Instrumentation papers (series). (Air Force Cambridge Research Laboratories, Office of Aerospace Research, Hanscom Field, Mass.)

D 301.45/10: (nos.)

- 13631 36. Application of induction heating to rock deformation apparatus [with bibliography; by] R. E. Riecker. Mar. 1964. vii+15 p. il. 4° Φ (Price upon application, AD 601167).  
13632 37. Monopole phased-array feed for spherical reflectors [with list of references; by] W. G. Mavroides, L. S. Dort. Apr. 1964. v+12 p. il. 4° (AFCRL-64-291; Microwave Physics Laboratory project 4600.) Φ (Price upon application).

## Personal Research Laboratory: Technical documentary report PRL-TDR (series). (6570th Personnel Research Laboratory, Aerospace Medical Division, Air Force Systems Command, Lackland Air Force Base, Tex.)

D 301.45/27: (nos.)

- 13633 64-7. Validation of carefulness test battery against training school criteria [with list of references; by] Hobart G. Osburn, and others]. Mar. 1964. vi+35 p. 4° (Project 7719, task 771905.) [Prepared under contract AF41(657)409 with University of Houston.] ‡  
13634 64-8. Electronic engineer job types in Air Force Systems Command [with list of references; by] Francis D. Harding [and] Robert L. Downey, jr. Mar. 1964. iv+27 p. 4° (Project 6755, task 675501.) Φ (Price upon application).  
13635 64-9. Use of airman qualifying examination to predict completion of basic training [with list of references]; by Jane McReynolds. Apr. 1964. v+10 p. 4° (Project 7719, task 771905.) Φ (Price upon application).

## Physical sciences research papers. (Air Force Cambridge Research Laboratories, Office of Aerospace Research.)

D 301.45/40: (nos.)

- 13636 1. Central-force laws for elliptic orbit [with one reference; by] Kurt Toman. Mar. 1964. [1]+58-60+[1] p. il. 4° (AFCRL-64-158; Upper Atmosphere Physics Laboratory project 7661.) [Reprinted from American mathematical monthly, v. 71, no. 1, Jan. 1964.] ‡  
13637 3. Ion dissociation in drift tube of time-of-flight mass spectrometer: 5. Analytic solutions of flight-time shift equation [with list of references; by] W. W. Hunt, jr., M. J. Kennedy. Feb. 1964. v+6 p. 4° (AFCRL-64-90; Upper Atmosphere Physics Laboratory project 7635.) Φ (Price upon application.)

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# GOVERNMENT PUBLICATIONS

## Physical sciences research papers—Continued

- 13638 8. Nonlinear interaction of electromagnetic wave with time-dependent plasma medium [with list of references; by] Robert J. Papa. Apr. 1964. v+36 +[1] p. il. 4° (AFCLR-64-250; Microwave Physics Laboratory project 4642.)  $\Phi$  (Price upon application.)
- 13639 9. Drastic reduction of warm-up rate within Dewar system by helium desorption; [by] Peter D. Ghanino. Jan. 1964. v+7+[1] p. il. 4° (AFCLR-64-17; Solid State Sciences Laboratory project 5621.)  $\Phi$  (Price upon application.)
- 13640 10. Antipodal image of electromagnetic source; [by] Kurt Toman. Apr. 1964. [7] p. il. 4° (AFCLR-64-317; Upper Atmosphere Physics Laboratory project 4603.) [Reprinted from Proceedings of IEEE, v. 52, no. 2, Feb. 1964.]  $\dagger$
- 13641 11. Radiation forces in inhomogeneous media; [by] E. J. Post. Apr. 1964. [1] +A686-A691+[1] p. 4° (AFCLR-64-315; Microwave Physics Laboratory project 5635.) [Reprinted from Physical review, v. 133, no. 3A, Feb. 1964.]  $\dagger$
- 13642 12. Progressive failure prediction [with list of references; by] Walton B. Bishop. Apr. 1964. [1]+41+49+[1] p. il. 4° (AFCLR-64-316; Solid State Sciences Laboratory project 4608.) [Reprinted from 1963 IEEE international convention record, pt. 6.]  $\dagger$
- 13643 13. Visual data transmission [with list of references; by] Ronald J. Massa. Apr. 1964. vi+65 p. il. 4° (AFCLR-64-323; Data Sciences Laboratory project 4610.) [Errata, 2 p., issued also.]  $\Phi$  (Price upon application.)
- 13644 15. 600-Å band of helium; [by] Y. Tanaka, K. Yoshino. May 1964. [1]+3081-87+[1] p. il. 4° (AFCLR-64-350; Upper Atmosphere Physics Laboratory project 8627.) [Reprinted from Journal of chemical physics, v. 39, no. 11, Dec. 1, 1963.]  $\dagger$
- 13645 16. Charge transfer studies with time-of-flight mass spectrometer: 2. Kinetic analysis, including attenuation of both neutrals and ions by scattering [with list of references; by] W. W. Hunt, jr. May 1964. v+10 p. il. 4° (AFCLR-64-383; Upper Atmosphere Physics Laboratory project 8605.)  $\Phi$  (Price upon application.)

School of Aerospace Medicine: [Aeromedical reviews]. (Aerospace Medical Division (AFSC), Brooks Air Force Base, Tex.)  $\dagger$

- 13646 1-64. Dysbarism [with list of references; by] Harry F. Adler. Feb. 1964. vi+166 p. il. D 301.26/13-4: 1-64

— Technical documentary report SAM-TDR (series). (Aerospace Medical Division (AFSC), Brooks Air Force Base, Tex.)  $\dagger$

D 301.26/13-6: (nos.)

- 13647 64-20. In vitro effectiveness of topical applications of low concentration stannous fluoride solutions [with list of references; by] Ira L. Shannon]. May 1964. cover title, iii+7 p. il. 4° (Task 775602.)
- 13648 64-21. Maximum pressure-volume relationships of human respiratory system [with list of references; by] Louis F. Johnson, jr.]. May 1964. cover title, iii+6 p. il. 4° (Task 775801.)
- 13649 64-26. Stannous fluoride topically applied in aqueous solution in caries prevention in military population [with list of references; by] Norman O. Harris and others]. May 1964. cover title, iii+7 p. 4° (Task 775659.)
- 13650 64-28. Determination of solubility of neon in water and extracted human fat [with list of references; by] Kenneth G. Ikels]. May 1964. cover title, iii+5 p. il. 4° (Task 775801.)
- 13651 64-29. Influence of X-irradiation on development of microsome oxidase and reductase activity in livers of young male rats [with list of references; by] Bernard E. Hietbrink, Kenneth P. Dubois]. June 1964. cover title, iii+6 p. il. 4° (Task 775702.) [Prepared under contract AF 41(609)-1963 by University of Chicago, Chicago, Ill.]

Technical documentary report WADD-TR (series). (Aeronautical Systems Division, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio.)

- 13652 61-72, v. 7. Research and development on advanced graphite materials: v. 7. High density recrystallized graphite by hot forming; [by] E. A. Neel, A. A. Kellar, J. J. Zeitsch. June 1962. viii+62 p. il. 4° (Directorate of Materials and Processes; project 7350, 7381, and 7-817; task 735002 and 738102.) [Prepared under contract AF 33(616)-6915 by National Carbon Company, Lawrenceburg, Tenn.]  $\Phi$  Paper, \$2.00 (AD 278603). D 301.45/5: 61-72/v.7

## AIR TRAFFIC SERVICE, Federal Aviation Agency

- 13653 [ATS manual]: Flight assistance service, AT P 7233.1, [Change] 6; [Mar. 26, 1964]. [1964.] [18] p. il. 4° [Effective July 20, 1964. Cancellation date Oct. 1, 1964. Issued in loose-leaf form.]  $\dagger$  • Item 431-D-1  
FAA 3.8: F 64/ch.6

\*For Sale by Superintendent of Documents

$\dagger$ Distribution Made by Issuing Office

$\dagger$ Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# AUGUST 1964

- 13654 Communications procedures, AT P 7300.1A; July 1, 1964. [Revised edition.] [1964.] [192] p. 4° [Issued in loose-leaf form. Cancels AT P 7300.1 and 12 changes thereto.] \* Paper, \$3.00 (including basic manual and supplementary material for approximately 2 years); \$1.00 additional for foreign mailing. ● Item 431-D-2 FAA 3.9/2: 964
- 13655 Flight information manual, v. 14, Oct. 1962, amdt. 12, Mar.-Apr. 1964. [1964.] [66] p. il. 4° (Flight Information Division, National Flight Data Center (AT-650).) [Issued in loose-leaf form.] \* Paper, \$3.75 (including basic manual and supplementary service for an indefinite period); \$1.00 additional for foreign mailing. ● Item 431-C-17 FAA 3.13/2: 14/amdt.12

## AREA REDEVELOPMENT ADMINISTRATION, Commerce Dept.

ARA case book. ([Office of Planning and Research.]) ● Item 130-H

- 13656 5. Closing of Studebaker plant, South Bend, Ind.; [by Harold L. Sheppard, W. E. Upjohn Institute for Employment Research]. June 1964. 16 p. 4° [Includes introduction and Follow-up action report abstracted from report of Interdepartmental Committee on South Bend Studebaker Shutdown.] \* Paper, 15c. C 46.20: 5
- 13657 ARA field report: Opportunities for economic growth in Reynolds and Wayne Counties redevelopment areas, Mo. June 1964. 8 p. 4° † Paper, 10c. C 46.22: R 33
- 13658 — Opportunities for economic improvement in Muskogee, Okla., redevelopment area. June 1964. 8 p. il. 4° † Paper, 10c. C 46.22: M 97
- 13659 — Suggested development opportunities for Russell County, Va. June 1964. 4 p. 4° † Paper, 10c. C 46.22: R 91
- 13660 — Suggestions for more effective development program for Alexander and Pulaski Counties, Ill. June 1964. 8 p. il. 4° † Paper, 10c. C 46.22: A1 2
- 13661 ARA staff study: Characteristics of big city industries; prepared by John A. Flory. June 1964. 4 p. 4° † Paper, 10c. C 46.22/2: In 2
- Area redevelopment bookshelf of community aids.
- 13662 Continuing overall economic development programs, guidebook for redevelopment area organizations. Mar. 1964. 36 p. il. oblong 24° [Text on p. 2 and 3 of cover.] \* Paper, 20c. ● Item 130-C L.C. card 64-61984 C 46.8/1: Ec 7/2
- 13663 Economic redevelopment research: Cost of geographic mobility; [prepared by John B. Lansing and Nancy Barth]. Apr. 1964. 20 p. il. \* Paper, 25c. ● Item 130-I L.C. card 64-60054 C 46.24: G 29
- 13664 — Economic & Social research program of ARA. [May 1964.] [8] p. narrow 8° † C 46.24: Ec 7
- 13665 Feasibility of Krupp-Renn process for treating lean iron ores of Mesabi Range, digest. May 1964. [3]+27 p. il. \* Paper, 15c. ● Item 130-D C 46.2: K 94
- 13666 Forestry industry processing and marketing complex for eastern Kentucky; [prepared for ARA under contract Cc-5888 by Macdonald Associates, Inc., Washington, D.C.]. Apr. 1963 [published 1964]. x+144 p. il. 4° \* Paper, 75c. ● Item 130-D L.C. card 64-61950 C 46.2: F 76

## ARMED FORCES INFORMATION AND EDUCATION, Defense Dept.

For commanders, this changing world. [Semimonthly.] \* Paper, \$1.00 a yr., 50c. additional for foreign mailing; single copy 5c. ● Item 312-B

- 13667 v. 4, no. 1. Laos and Viet-nam, prescription for peace. July 1, 1964. 4 p. 4° D 2.15: 4/1

\*For Sale by Superintendent of Documents

‡For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed in Washington, D.C.,  
Unless Otherwise Indicated

# GOVERNMENT PUBLICATIONS

## ARMS CONTROL AND DISARMAMENT AGENCY

- 13668 Economic and social consequences of disarmament, U.S. reply to inquiry of Secretary-General of United Nations, with revised statistical tables. [June 1964.] iii+47 p. 4° ([Publication 21.]) [Revision of Publication 6, July 1962.] \* Paper, 35c. ● Item 125-A-3  
L.C. card 64-62146 AC 1.2: Ec 7

## ARMY DEPARTMENT, Defense Dept.

- AMC pamphlet. (Army Materiel Command.) ‡ ● Item 322-A
- 13669 385-60. Safety digest, July 1964; [prepared by Safety Division]. [1964.] cover title, [1]+11+41 p. ll. 4° (AMCP 385-60.) [Bimonthly.]  
D 101.22/3: 385-60
- Army regulation AR (series). [Issued with perforations.] ● Item 323
- 13670 608-10. Personal affairs: Motor vehicle liability insurance, effective Aug. 1, 1964. July 15, 1964. 6 p. 4° [Supersedes AR 608-10, June 6, 1961.]  
\* Paper, 5c. D 101.9:608-10
- Pamphlets. ● Item 327 D 101.22: (nos.)
- 13671 27-101-156. Judge Advocate legal service. June 17, 1964. 13 p. [Issued with perforations.]
- 13672 27-101-157. Same: June 24, 1964. 12 p. [Issued with perforations.] ‡
- 13673 27-101-158. Same: July 1, 1964. 11 p. [Issued with perforations.] ‡
- 13674 27-101-159. Same: July 8, 1964. 14 p. [Issued with perforations.] ‡
- 13675 360-203. Troop topics: Army communications. [June 1964.] [1]+12+[1] p. ll. 4° ‡
- 13676 690-9. Learning to live overseas. [May 1, 1964.] [1]+36 p. ll. ‡
- 13677 690-20. Training and development of executives and managers. May 1964. cover title, v+32 p. ll. 4° ‡
- 13678 690-21. Programed instruction, training methodology [with bibliography]. May 1964. cover title, ii+18+[38] p. 4° ‡
- 13679 715-50-42. Procurement legal service. May 22, 1964. 7 p. [Issued with perforations.] \* Paper, 5c.
- Technical manual TM (series). † ● Item 329 D 101.11: (nos.)
- 13680 5-270. Cableways, tramways and suspension bridges [with list of references]. June 1964. cover title, 224 p. ll. [Supersedes TM 5-270, Feb. 20, 1956 and TM 5-279, Jan. 31, 1944.]  
L.C. card 64-62150
- 13681 10-252. Loading insert containers and cargo transporters [with list of references]. June 1964. cover title, 26 p. ll. 4° [Issued with perforations. Supersedes TM 10-252, Oct. 24, 1961.]
- 13682 10-412-5. Army recipes: Breads (batters), cereals and paste products. May 1964. cover title, xxix+161 p. oblong 24° [Issued with perforations, with printed marginal index tabs on blank cardboards.]  
L.C. card 64-62110
- 13683 38-750-1. Maintenance management: Field command procedures [with list of references]. May 1964. cover title, [271] p. ll. 4° [Text on p. 2 of cover. Issued in loose-leaf form. Supersedes TM 38-750-1, Oct. 11, 1962, and AR 750-920, Jan. 24, 1961.]
- 13684 55-200. Railway operating rules [with list of references]. Apr. 1964. cover title, 167 p. ll. 16° [Supersedes TM 55-200, Mar. 1, 1956.]  
L.C. card 64-62034
- USAPRO technical research notes. (Army Personnel Research Office.)  
Φ (Price upon application.) D 101.60: (nos.)
- 13685 141. Information assimilation from alpha-numeric displays, amount and density of information presented [with list of references; by] Seymour Ringel and Charles Hammer. Apr. 1964. [10]+20+[1] p. ll. 4° (Army project number 2J024701A723; command systems d-13.)
- 13686 142. Peer rating stability in changing groups [with list of references; by] Francis F. Medland and Jerome L. Olans. Apr. 1964. [1]+vii+6+[1] p. 4° (Army project 2J024701A722; NCO leaders a-15.)
- USAPRO technical research report. (Army Personnel Research Office.)  
Φ (Price upon application.)
- 13687 1135. Development of optimum computerized allocation system [with list of references; by] Robert F. Boldt. Apr. 1964. [9]+24+[1] p. 4° (Army project 2J024701A723; Future combat subtask c.) D 101.60/2: 1135

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# AUGUST 1964

## ARMY MEDICAL SERVICE, Defense Dept.

- 13688 Bibliography of U.S. Army Medical Research and Nutrition Laboratory reports and reprints for 1963. [1964.] 4 leaves, 4° D 104.17: list/963

## ATOMIC ENERGY COMMISSION

AEC research and development reports. Y 4.At 7: 22/(letters-nos.)

- 13689 AEC-tr-6316. Annual report of Japanese Association for Radiation Research on Polymers, v. 2, 1960. [Mar. 1964.] cover title, [1]+x+703 p. il. 4° (Translation series). [Translated from Nippon Hoshasen Kobunshi Kenkyu Kyokai Nempo, v. 2, 1960.]  $\Phi$  Paper, \$7.25.
- 13690 AEC-tr-6372. Annual report of Japanese Association for Radiation Research on Polymers, v. 3, [1961, with lists of references]. [Apr. 1964.] cover title, [1]+vii+656 p. il. 4° (Translation series). [Translation of publication of Japanese Association for Radiation Research on Polymers, 1961.]  $\Phi$  Paper, \$7.50.
- 13691 EGCR-4. Radiological health manual for experimental gas-cooled reactor, radiation protection standards and regulations. Mar. 26, 1964. [164] p. il. 4° (Experimental gas-cooled reactor operated by Tennessee Valley Authority at Oak Ridge.)  $\Phi$  Paper, \$2.75.
- 13692 GA-4659. Integral neutron thermalization, annual summary report, Oct. 1, 1962-Sept. 30, 1963 [with list of references]; by J. R. Beyster [and others]. Jan. 24, 1964. cover title, iv+195 p. il. 4° (General Atomic Division, General Dynamics Corporation, San Diego, Calif.) [Page 195 on inside of back cover.]  $\Phi$  Paper, \$3.00.
- 13693 GA-4695. Graphite-matrix fuels development for AVR, final report [with list of references]; by J. Chin [and others]. Oct. 1963. cover title, iii+v+65 p. il. 4° (General Atomic Division, General Dynamics Corporation, San Diego, Calif.)  $\Phi$  Paper, \$1.75.
- 13694 GEAP-3971. VBWR stability test report [with list of references]. June 1963. cover title, xvi+353 p. il. 4° (Atomic Power Equipment Department, General Electric Company, San Jose, Calif.)  $\Phi$  Paper, \$4.50.
- 13695 GEAP-4555. Design and fabrication of fuel rods with stainless-steel-lined zircaloy-2 [with list of references]; by C. J. Baroch. Feb. 7, 1964. cover title, iii+28 p. il. 4° (Vallecitos Atomic Laboratory, General Electric Company, San Jose, Calif.)  $\Phi$  Paper, 75c.
- 13696 HASL-143. Determination of cerium-144 in vegetation and soil [with list of literature cited]; by Doris C. Sutton. Feb. 1964. cover title, vi+37 p. il. 4° (Health and Safety Laboratory, New York Operations Office, New York, N.Y.)  $\Phi$  Paper, \$1.00.
- 13697 MATT-217. Calculation of spectral density of radiation scattered by non-equilibrium plasma which is valid for all wavenumbers [with list of references]; by Ronald L. Fante. Oct. 1963. cover title, v+48 p. il. 4° (Plasma Physics Laboratory, Princeton University, Princeton, N.J.)  $\Phi$  Paper, \$1.25.
- 13698 MATT-242. Excitation of electrostatic oscillations in magnetic field [with list of references]; by Francis F. Chen. Jan. 1963. cover title, iv+103 p. il. 4° (Plasma Physics Laboratory, Princeton University, Princeton, N.J.)  $\Phi$  Paper, \$2.25.
- 13699 MATT-243. Solution of kinetic equations for plasma including radiation in presence of external magnetic field [with list of references]; by Ronald Fante. Sept. 1963. [3]+27 p. 4° (Plasma Physics Laboratory, Princeton University, Princeton, N.J.)  $\Phi$  Paper, 75c.
- 13700 NYO-2740-1. Annual report on research project [with bibliographies]. Jan. 1, 1964. cover title, 194 p. il. 4° (Radiological Research Laboratory, Columbia University, New York, N.Y.)  $\Phi$  Paper, \$2.75.
- 13701 NYO-2762. Survival experience of radium cases [with list of references]; by Abraham H. Libove, Lester A. Barrer. Mar. 1963. cover title, vii+37 p. il. 4° (Radium Research Project, New Jersey State Department of Health, West Orange, N.J.)  $\Phi$  Paper, \$1.00.
- 13702 NYO-10405. Scintillating anion exchange resin, final report [with bibliography]; by Alvin H. Heimbuch [and others]. Dec. 1963. cover title, iii-vii+61 p. il. 4° (Division of Laboratory for Electronics, Tracerlab, Inc., Richmond, Calif.)  $\Phi$  Paper, \$1.75.

\*For Sale by Superintendent of Documents

$\Phi$ For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

Page 9

# GOVERNMENT PUBLICATIONS

## AEC research and development reports—Continued

- 13703 NYO-10721. Radioisotope shielding design manual [with lists of references]; prepared by William H. Stiegelmann. July 1963. cover title, iii+138 p. il. 4° (Laboratories for Research and development, Franklin Institute, Philadelphia, Pa.)  $\Phi$  Paper, \$2.50.
- 13704 NYO-10726. Non-destructive measurement of U-235 retained in absolute air filters [with list of references]; by Ira Cohen, Alan M. Fishman. Apr. 15, 1964. v+12 p. il. 4° (New York Operations Office, New York, N.Y.)  $\Phi$  Paper, 50c.
- 13705 ORO-591. Radio-release technique for measurement of moisture in gases, final report; by Harold G. Richter, Arthur S. Gillespie, jr. Jan. 31, 1964. cover title, iii+11 p. il. 4° (Measurement and Controls Laboratory, Research Triangle Institute, Durham, N.C.)  $\Phi$  Paper, 50c.
- 13706 ORO-615. Radiation pasteurization of shrimp, final summary report, Jan.-Dec. 1963 [with list of literature cited]; by Arthur F. Novak. Jan. 14, 1964. [2]+51 p. il. 4° (Department of Food Science and Technology, Louisiana State University, Baton Rouge, La.)  $\Phi$  Paper, \$1.25.
- 13707 PRWRA-GNEC-6. Boiling nuclear superheater (BONUS) power station, final summary design report. May 1, 1962. cover title, xvi+ [804] p. il. 4° (General Nuclear Engineering Corporation, Dunnedin, Fla., and Puerto Rico Water Resources Authority, San Juan, Puerto Rico.)  $\Phi$  Paper, \$8.25.
- 13708 TID-3722. Bibliographies of atomic energy literature issued or in progress during period, Feb.-Mar. 1964. [1964.] cover title, [1]+18 p. 4° (Division of Technical Information.)  $\dagger$
- 13709 TID-4043. (rev. 1). Index to conferences relating to nuclear science; edited by Willie E. Clark, Alden G. Greene, Margaret L. Pfeuger. May 1964. viii+119 p. 4°  $\dagger$  Reference Branch, Atomic Energy Commission, Division of Technical Information Extension, P.O. Box 62, Oak Ridge, Tenn. 37831.
- 13710 TID-4100 (1st rev., supp. 21). Supplemental insert sheets for Engineering materials list; [editor, Richard E. C. Duthie, associate editor, Francis L. Sachs, editorial assistant, Billy D. Donald]. May 1964. cover title, [61] p. 4° [Issued in loose-leaf form.]  $\dagger$  Atomic Energy Commission, Division of Technical Information Extension, P.O. Box 62, Oak Ridge, Tenn. 37831.
- 13711 TID-4203. Research and development in progress, biology and medicine, issue no. 2. Apr. 1964. cover title, vii+426+290 p. 4° (Division of Technical Information.)  $\Phi$  Paper, \$3.00.
- 13712 TID-7015 (Indexes). Indexes to Oak Ridge National Laboratory master analytical manual (1953-63); Helen P. Knaen [and] Ann S. Klein, editors. Revision 1. [1964.] cover title, v+140 p. 4° [Text on p. 2 and 3 of cover.]  $\Phi$  Paper, \$2.50.
- 13713 TID-7015, supp. 6. Oak Ridge National Laboratory master analytical manual [with list of references; prepared by ORNL Analytical Chemistry Division, Oak Ridge, Tenn.]. June 1964. cover title, [4] leaves+[483] p. il. 4° [Issued with perforations.]  $\Phi$  Paper, \$5.00.
- 13714 TID-7662. Reactor kinetics and control, proceedings of symposium held at University of Arizona, Mar. 25-27, 1963, sponsored by University of Arizona in cooperation with Argonne National Laboratory and Associated Midwest Universities [with lists of references]; Lynn E. Weaver, coordinator. Apr. 1964. vi+588 p. il. ([AEC symposium series 2.])  $\Phi$  Paper, \$4.25.
- 13715 TID-7690. Rotating machinery for gas-cooled reactor application, proceedings of meeting at Mountain View Hotel, Gatlinburg, Tenn., Nov. 4-6, 1963, chairman, E. R. Taylor and D. L. Gray, sponsored by Oak Ridge National Laboratory, Oak Ridge, Tenn. [with bibliographies]. May 1964. ix+370 p. il. 4°  $\Phi$  Paper, \$4.50.
- 13716 TID-18865. Official USAEC values for amount of U-235 isotopes in natural uranium [with list of references]. May 27, 1963. cover title, 4 p. 4°  $\Phi$  Paper, 50c.
- 13717 TID-19000 (no. 6). Availability of nuclear science conference literature; list no. 6, June 1964. [1964.] cover title, [2]+47 p. 4° (Division of Technical Information Extension.)  $\dagger$  Atomic Energy Commission, Oak Ridge, Tenn. 37831.
- 13718 TID-20183. Application of nuclear techniques to manufacture of high-reliability printed circuit boards [with list of references]; by I. J. Wright, J. B. Fishman, C. E. Smedley. Dec. 1963. cover title, v+80 p. il. 4° (Western Division, Tracerlab, Inc., Richmond, Calif.)  $\Phi$  Paper, \$2.00.

\*For Sale by Superintendent of Documents

$\dagger$ Distribution Made by Issuing Office

$\Phi$ Official Use. Not Available

# AUGUST 1964

- 13719 USBM-U-1109. Quarterly metallurgical progress report, 22, Jan. 1-Mar. 31, 1964; prepared by Departemnt of Interior, Bureau of Mines, Albany Metallurgy Research Center, Albany, Oreg. [1964.] [1]+iv+24 leaves, 4° Φ Paper, 75c.
- 13720 Conditions and limitations on general license provisions of 10 CFR 150.20, rules and regulations, effective May 1, 1964. [1964.] iv+62 p. il. oblong 32° (Division of Materials Licensing.) [Supplement to AEC form 241, Report of proposed activities in non-agreement States.] †  
● Item 1052 Y 3.At 7: 6 L 61/964
- 13721 Health aspects of nuclear weapons testing [with list of references]. [1964.] cover title, vi+56 p. il. \* Paper, 25c. ● Item 1051  
L.C. card 64-61896 Y 3.At 7: 2 H 34
- 13722 Story of Nevada Test Site. Sept. 1963. cover title, 16 p. il. oblong 12°  
‡ (No copies available.) Y 3.At 7: 2 N 41  
Understanding the atom series. (Division of Technical Information.)  
† USAEC, P.O. Box 62, Oak Ridge, Tenn. 37831
- 13723 Controlled nuclear fusion [with list of suggested references; by Samuel Glass-  
tone]. [June 1964.] cover title, [2]+48 p. il. Y 3.At 7: 54 F 98  
L.C. card 64-61902
- 13724 Nuclear power and merchant shipping [with list of suggested references; by  
Warren H. Donnelly]. [June 1964.] cover title, [2]+36 p. il.  
L.C. card 64-61901
- 13725 Popular books on nuclear science; [compiled by John Sherrod. [Apr. 1964.]  
cover title, 18 p. [Text on p. 2 and 3 of cover.] Y 3.At 7: 54 N 88/2  
L.C. card 64-61730

## AVIATION MEDICAL SERVICE, Federal Aviation Agency

Civil Aeromedical Research Institute [reports]. † Civil Aeromedical Research Institute, Oklahoma City, Okla. ● Item 431-E-4

FAA 7.10: (nos.)

- 13726 63-9. Studies of air loads on man [with list of references; by] John J. Swearingen, Ernest B. McFadden. May 1963 [published 1964]. [3]+8+[1] p. il. 4°
- 13727 63-25. Method for measurement of physiologic evaporative water loss [with bibliography; by] Thomas Adams, Gordon E. Funkhouser, Warren W. Kendall. Oct. 1963 [published 1964]. [3] leaves+15+[1] p. il. 4° (Aeronautical Center.)
- 13728 63-26. Acute and chronic effects of insecticide endrin on renal function and renal hemodynamics [with bibliography; by] D. A. Reins, D. D. Holmes, L. B. Hinshaw. Oct. 1963 [published 1964]. [3]+9+[1] p. il. 4° (Aeronautical Center.)
- 13729 63-27. Flammability of lip, face and hair preparations in presence of 100% oxygen [with list of references; by] J. Robert Dille, Charles R. Crane [and] George E. Pendergrass. Nov. 1963 [published 1964]. [3]+5+[1] p. 4° (Aeronautical Center.)
- 13730 63-28. Size cues and adjacency principle [with list of references; by] Walter C. Gogel. Nov. 1963 [published 1964]. [3]+8+[1] p. il. 4° (Aeronautical Center.)
- 13731 63-29. Task, control of arousal and effects of repeated unidirectional angular acceleration on human vestibular responses [with list of references; by] William E. Collins. Nov. 1963 [published 1964]. [1]+26+[1] p. il. 4° (Aeronautical Center.)
- 13732 63-30. Biomedical research studies in acceleration, impact, weightlessness, vibration, and emergency escape and restraint systems, comprehensive bibliography; [compiled by Richard G. Snyder and others]. Dec. 1963. cover title, xii+1-2242a, 2243-3072 p.+ [4] leaves, 4° [Jointly sponsored with Aerospace Medical Research Laboratories, Aerospace Medical Division, Wright-Patterson Air Force Base, Ohio, USAF School of Aerospace Medicine, Aerospace Medical Division, Brooks Air Force Base, Tex. Issued with perforations with marginal index tabs on blank card-board showing titles.]
- 13733 63-31. Problems in air traffic management: 4, Comparison of pre-employment, job-related experience with aptitude tests as predictors of training and job performance of air traffic control specialists [with list of references; by] David K. Trites, Bart B. Cobb. Dec. 1963 [published 1964]. [3]+11+[2] p. 4° (Aeronautical Center.)
- 13734 63-32. Mechanism of autoregulation in intact kidney [with list of references; by] Lerner B. Hinshaw [and others]. Dec. 1963 [published 1964]. [5]+12+[2] p. il. 4° (Renal Physiology Section, Environmental Physiology Branch; Aeronautical Center.)

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



## GOVERNMENT PUBLICATIONS

### Civil Aeromedical Research Institute [reports]—Continued

- 13735 63-33. Work tolerance, age and altitude [with list of references; by] D. B. Dill [and others]. Dec. 1963 [published 1964]. [1]+8+[1] p. 4° (Aeronautical Center.)
- 13736 63-34. Effects of some tranquilizing, analeptic and vasodilating drugs on physical work capacity and orthostatic tolerance [with list of references; by] R. V. Ganslen [and others]. Dec. 1963 [published 1964]. [3]+8+[2] p. il. 4° (Aeronautical Center.)
- 13737 63-35. Human factors aspects of lightplane safety [with list of references; by] Richard G. Pearson. Dec. 1963 [published 1964]. [3]+13+[1] p. il. 4° (Psychology Branch; Aeronautical Center.)

### BONNEVILLE POWER ADMINISTRATION, Interior Dept.

- 13738 Power Use Conference proceedings, Portland, Oreg., Feb. 19-20, 1964. [1964.] cover title, 108 leaves, il. 4° †  
L.C. card 63-60602 I 44.2: P 87/12/964
- 13739 — supplement, Feb. 27-28, 1963. [1964.] cover title, [6] leaves+[2] p. 13 pl. 18 tab. 4° [Most plates are colored.] †  
L.C. card 63-60602 I 44.2: P 87/12/963/supp.

### BUSINESS AND DEFENSE SERVICES ADMINISTRATION, Commerce Dept.

- 13740 Market for semiconductor devices in West Germany and Italy; [by Theodore C. Collins]. [1964.] vii+24 p. (BDSA export potential study.)  
\* Paper, 15c. • Item 215-S C 41.107: W 52g/2
- 13741 Modernization, key to new markets, address by George Donat, administrator, Business and Defense Services Administration, Department of Commerce, prepared for delivery at New England Conference on Modernization for World Competition, George Sherman Union, Boston University, Boston, Mass., June 10, 1964. [1964.] 8 p. 4° † C 41.15: D 71/2
- 13742 Proceedings of Long Island Conference on Industrial Modernization, Flushing Meadows, N.Y., Apr. 16, 1964, sponsored by Department of Commerce, Business and Defense Services Administration, and Long Island Association. [1964.] [6]+10+[1] p. 4° † C 41.2: In 2/14
- 13743 Proceedings of Portland Area Conference on Industrial Modernization, Portland, Oreg., Mar. 26, 1964, sponsored by Department of Commerce, Business and Defense Services Administration and State of Oregon Department of Commerce, Associated Oregon Industries, Portland Chamber of Commerce, Division of Business Administration, Portland State College. [1964.] [6]+8 p.+[2] leaves, 4° † C 41.2: In 2/13
- 13744 Proceedings of Southwestern Conference on Industrial Modernization, Oklahoma City, Okla., Jan. 17, 1964, sponsored by Department of Commerce, Business and Defense Services Administration and Oklahoma City Chamber of Commerce, Oklahoma State Chamber of Commerce, Oklahoma Department of Commerce and Industry. [1964.] [6]+11+[3] p. 4° † C 41.2: In 2/11
- 13745 Proceedings of Washington State Conference on Industrial modernization, Olympic Hotel, Seattle, Wash., Mar. 31, 1964, sponsored by Department of Commerce, Business and Defense Services Administration and Association of Washington Industries, Seattle Area Industrial Council, Washington State Department of Commerce and Economic Development. [1964.] [6]+9+[2] p. 4° † C 41.2: In 2/12

### CENSUS BUREAU, Commerce Dept.

- 13746 Announcement and order form, 1963, censuses of manufactures and mineral industries, reference manuals, alphabetic list of manufactured products, numerical list of manufactured products, list of materials consumption items. [June 19, 1964.] [4] p. narrow 8° ([Form 25-170; USCOMM-DC 25855-P-64.]) † C 3.163/4: M 31

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# AUGUST 1964

- 13747 Announcement and order form, current construction reports, housing starts, construction activity, building permits, housing sales, alterations and repairs. [May 21, 1964.] [7] p. narrow 8° ([Form 22-95.1]) †  
C 3.163/4: C 76
- 13748 Changes in Schedule B, Statistical classification of domestic and foreign commodities exported from United States, Jan. 1, 1958 edition, Changes are effective July 1, 1964. [July 1, 1964.] [1]+935-936 p. 4° (Public bulletin 9.) [Issued in loose-leaf form.] \* Paper, \$6.00 (including basic bulletin B and changes); \$1.50 additional for foreign mailing.  
● Item 148 C 3.150: B/958/ch.9
- 13749 Cotton production in United States, crop of 1963. [1964.] iii+38 p.  
([Agriculture Division.]) \* Paper, 15c. ● Item 141 C 3.32: 963
- 13750 Current industrial reports: Aluminum foil converted, 1963; prepared by Industry Division, Metals and Metal Products Section. June 23, 1964. 3 p. 4° (Series M34P(63)-1.) † Paper, 25c. C 3.158: M 34 P (63)-1
- 13751 — Apparel, 1963 (preliminary); prepared by Industry Division, Apparel Section. June 24, 1964. 6 p. 4° (Series M23A(63)-1.) † Paper, 25c.  
C 3.158: M 23 A (63)-1/prelim.
- 13752 — Consumption on woolen and worsted systems, summary for 1963; prepared by Industry Division, Textiles Section. July 8, 1964. 5 p. 4° (Series M22D(63)-13.) † Paper, 15c. C 3.158: M 22 D (63)-13
- 13753 — Cotton, silk and man-made fiber woven goods finished, 1963; prepared by Industry Division, Textiles Section. July 21, 1964. 9 p. 4° (Series M22S(63)-1.) † Paper, 25c. C 3.158: M 22 S (63)-1
- 13754 — Farm machines and equipment, 1963; prepared by Industry Division. July 10, 1964. [3]+23 p. 4° (Series M35A(63)-5.) † Paper, 25c.  
C 3.158: M 35 A (63)-5
- 13755 — Flour milling products, summary for 1963; prepared by Industry Division, Foods Section. July 27, 1964. 4 p. 4° (Series M20A(63)-13.) † Paper, 15c. C 3.158: M 20 A (63)-13
- 13756 — Metalworking machinery, summary for 1963; [prepared by Paul F. Berard and Harry E. Hawkins]. July 6, 1964. [2]+9 p. 4° (Series M35W(63)-5.) [Prepared in cooperation with Business and Defense Services Administration.] † Paper, 25c. C 3.158: M 35 W (63)-5
- 13757 — Poultry and livestock feed production, 1962; prepared by Industry Division. July 1, 1964. [2]+11 p. (Series M20E(62)-1.) † Paper, 25c.  
C 3.158: M 20 E (62)-1
- 13758 — Steel power boilers, 1963 and 1962; prepared by Industry Division, and Metal Production Section. July 13, 1964. 3 p. 4° (Series M34G(63)-5.) † Paper, 25c. C 3.158: M 22 T 4 (63)-5
- 13759 — Sulfuric acid, 1963; prepared by Industry Division, Bureau of Census, and Chemical and Rubber Division, Business and Defense Services Administration. June 16, 1964. 6 p. 4° (Series M28A(63)-13, supp. 1.) † Paper, 15c. C 3.158: M 28 A (63)-13/supp.1
- 13760 — Tire cord and tire cord fabrics, summary for 1963; prepared by Industry Division, Textile Section. July 13, 1964. 3 p. 4° Series M22T.4(63)-5.) † Paper, 25c. C 3.158: M 22 T.4 (63)-5
- 13761 — Yarn production, 1963; prepared by Industry Division, Textiles Section. July 2, 1964. 13 p. 4° (Series M22F(63)-13.) † Paper, 15c.  
C 3.158: M 22 F (63)-13

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# GOVERNMENT PUBLICATIONS

- Current population reports: Series P-20, Population characteristics.  
 \* Paper, \$4.00 (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60, and P-65 for one year), \$1.25 additional for foreign mailing; single copy, each 15c. ● Item 142-C
- 13762 129. School enrollment, Oct. 1963. July 24, 1964. 12 p. il. 4° C 3.186: P-20/129  
 — Series P-25, Population estimates. \* Paper, \$4.00, including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60 and P-65 for one year), \$1.25 additional for foreign mailing; single copy, 15c. ● Item 142-C  
 C 3.186: P-25/(nos.)
- 13763 286. Projections of population of United States, by age and sex, 1964-85, with extension to 2010; by Jacob S. Siegel, Meyer Zitter, and Donald S. Akers. July 1964. cover title, ii+86 p. il. 4° \* Paper, 15c.
- 13764 287. Estimates of population of United States, Jan. 1, 1950-June 1, 1964. July 16, 1964. 2 p. 4°  
 — Series P-28, Special censuses. C 3.186: P-28/(nos.)
- 13765 1366. Special census of Union Town, N.Y., Apr. 1, 1964. July 2, 1964. 8 p. map, 4° † Paper, 10c.
- 13766 1367. Special census of Colonie Town, N.Y., Apr. 1, 1964. July 6, 1964. 5 p. map, 4° † Paper, 10c.
- 13767 Current retail trade reports: 1963 retail sales, annual report, sales, accounts receivable, merchandise inventories; [by Gerda S. Mones and others]. [June 1964.] 23 p. il. 4° \* Paper, \$6.00 a yr. (including Weekly retail sales report, Advance monthly retail sales report, Monthly retail trade report, and Annual retail trade report), \$4.00 additional for foreign mailing. Single copy available only from Census Bureau, 20c. ● Item 147-B C 3.138/3-2: 963
- 13768 [Foreign trade report]: FT 125, United States imports of merchandise for consumption. [Monthly, cumulative. Replaced FT 110 and FT 120, beginning with Feb. 1964 issue.] \* Paper, \$8.00 a yr., \$2.00 additional for foreign mailing; single copy, \$1.00. ● Item 144 C 3.164: 125/(date) Feb. 1964—
- 13769 Inventory of machine-readable data available, examples of special services performed, tapes, punchcards furnished, tabulations made. [1964.] 6 +57-82 p. [Reprinted from Bureau of Census catalog, Jan.-Mar. 1964.] † C 3.163/3a: In 89
- 13770 Proposed changes in schedule B, Statistical classification of domestic and foreign commodities exported from United States, Jan. 1, 1958 edition. June 1964. [1]+60 p. 4° (Public bulletin B-8.) \* Paper, \$6.00 (including basic bulletin B and changes); \$1.50 additional for foreign mailing. ● Item 148 C 3.150: B/958/ch.8
- 13771 Publication program for 1962 census of governments. June 1964 [revision]. [1964.] 4 p. 4° (Form 24-79 (6-8-64).) † C 3.145/3: 962-3  
 Quarterly tax reports G-TR64 (series).
- 13772 1. Quarterly summary of State and local tax revenue, Jan.-Mar. 1964. June 1964. 7 p. 4° † Paper, 10c. C 3.145/6: 964/1  
 U.S. census of population, 1960: Subject reports, final report PC(2) (series). [Prepared under supervision of Howard G. Brunsman, chief, Population Division.] ● Item 159 C 3.223/10: 960/v.2/pt. (nos.)
- 13773 pt. 7E. Characteristics of professional workers, statistics on race, hours worked, income, weeks worked, occupation of spouse, etc. xvi+145 p. il. 4° \* Paper, \$1.00.  
 L.C. card A 61-9570
- 13774 8C. Veterans, selected social and economic data for former members of Armed Forces. [1964.] xv+99 p. 4° [Errata 1 p. oblong 24° issued also.] \* Paper, 70c.
- United States maps GE-50 (series).
- 13775 62. Standard metropolitan statistical areas of United States and Puerto Rico, 1963. areas defined by Bureau of Budget; prepared by Geography Division. Scale 500 m.=6.2 in. 1964. 26 x 39 in. [Albers equal-area projection. Population data from 1960 census of population. Issued in colors.] \* Paper, 50c. L.C. card Map 64-54 C 3.62/4: 2

\*For Sale by Superintendent of Documents  
 †Distribution Made by Issuing Office  
 ‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
 Unless Otherwise Indicated

# AUGUST 1964

## CHILDREN'S BUREAU, Health, Education, and Welfare Dept.

- 13776 Closed, short-term group, treatment adjunct for parents of mentally retarded children; [by] Helen L. Beck. 1964. [1]+7 p. 4° [Page 7, last page of text, printed on p. 3 of cover.] † FS 14.102: M 52/6
- 13777 Implications of changing ideas on how children develop intellectually [with list of references; by] J. McVicker Hunt. [1964.] p. 83-91, il. 4° [From Children, May-June 1964.] † FS 14.109/a: C 48/2
- 13778 Interprofessional teamwork to safeguard adoptions; [by] Ursula M. Gallagher. [1964.] p. 101-104, 4° [From Children, May-June 1959.] † FS 14.109/a: Ad 7
- 13779 Observations of peripatetic reporter on care of Cuban children away from home; [by] Kathryn Close. [1964.] p. 3-10 il. 4° [From Children, Jan.-Feb. 1963.] † FS 14.109/a: C 89
- 13780 Parents of children with phenylketonuria; [by] Sylvia Schild. [1964.] p. 92-96, 4° [From Children, May-June 1964.] † FS 14.109/a: P 521
- 13781 Project on cost analysis in children's institutions. Apr. 6, 1964. [2] p. 4° † FS 14.120: 964
- 13782 Racially integrating State's training school; [by] Raymond L. Manella. [1964.] p. 49-54, 4° [From Children, Mar.-Apr. 1964.] † FS 14.109/a: R 115
- 13783 Statistical aspects of antisocial behavior of minor in United States; prepared by I. Richard Perlman, chief, Juvenile Delinquency Studies Branch, Children's Bureau, for United States report to 12th Pan American Child Congress, Buenos Aires, Argentina, Dec. 1963. [1964.] [1]+21 p. il. 4° † FS 14.102: M 66
- Statistical series. †
- 13784 75. Child welfare statistics, 1963. 1964. 4 leaves+39 p. 4° ● Item 454 L.C. card HEW 63-8 FS 14.113: 75
- 13785 Training programs for retarded girls, 2 experimental programs by nurse educators [articles; by Gladys M. Hillsman and Marilyn J. Houghlan]. [1964.] cover title, [7] p. 4° [Text on p. 2 of cover. Reproduced with permission from Nursing outlook, v. 11, no. 3, Mar. 1963.] † FS 14.102: R 31

## CIVIL AERONAUTICS BOARD

- 13786 Aircraft accident report: Boeing-Vertol 107-II, N 6673D, New York Airways, Inc., New York International Airport, Jamaica, N.Y., Oct. 14, 1963; adopted June 15, 1964. June 24, 1964. cover title, 8+[9] p. il. 4° (SA 375, file 1-0012.) † C 31.213: J 22/6
- 13787 —C 46-F N 67935 AAXICO Airlines, Inc., Mc Carran Field, Las Vegas, Nev., Sept. 25, 1963; adopted May 13, 1964. May 19, 1964. cover title, 7+ii+[4] p. 1 pl. 4° (File no. 1-0011.) † C 31.213: L 339/3
- 13788 —Continental Air Lines, Inc., Vickers Viscount 812, N242V, Municipal Airport, Kansas City, Mo., Jan. 29, 1963; adopted June 11, 1964. June 17, 1964. cover title, 14+ii p.+[4] leaves, il. 4° (SA-370, file no. 1-0002.) † C 31.213: K 13/5
- 13789 —Convair 340, N73130, Frontier Airlines, Inc., Grand Island, Nebr., Dec. 21, 1962 [adopted June 19, 1964]. June 25, 1964. cover title, 5+[1] p. 4° (File no. 1-0037.) [Includes supplemental data.] † C 31.213: G 762/5
- 13790 —Martin 404, N 449A Mohawk Airlines, Inc., Rochester, N.Y., July 2, 1963; adopted May 13, 1964. May 20, 1964. cover title, 12+ii p. 1 pl. 4° (SA-374, file no. 1-0008.) † C 31.213: R 586/3

\*For Sale by Superintendent of Documents  
 ΦFor Sale by OTS, Commerce Dept.  
 ●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
 Unless Otherwise Indicated



## GOVERNMENT PUBLICATIONS

- 13791 Regulations of Civil Aeronautics Board, May 22, 1964 [new and revised pages]. [1964.] [45] p. 4° [Includes transmittal sheet 4. Issued in looseleaf form.] \* Paper, \$4.00 (including basic book and supplementary service for an indefinite period); \$1.00 additional for foreign mailing.  
 ● Item 186 C 31.206/7: 963/trans.4

### CIVIL DEFENSE OFFICE, Defense Dept.

- 13792 Errata, Medical care in shelters. [1964.] 1 p. oblong 48° † ● Item 857-D-8 D 13.8: M 46/3/964 errata  
 FG (series). † ● Item 320-B-3  
 13793 C-8.1. Handbook of instructions for posting fallout shelter signs; [prepared by Directorate for Technical Operations, Survey Division]. June 1964. iv+14 p. il. [Supersedes FG-8.1, dated Mar. 1964, which may not be used.] D 13.8/8: C-8.1/2  
 Instructor's guide IG (series). ● Item 857-D-12  
 13794 IG-16.3. Shelter licensing and marking instructor's guide. June 1964. vi+ [38] p. il. 4° [Supersedes IG-16.3 dated Apr. 1964. Issued with perforations.] † D 13.8/7: 16.3/2

### CIVIL SERVICE COMMISSION

- 13795 Amendment to announcement 312B, medical officer (GS-11 through GS-15). [July 28, 1964.] [2] p. 4° † CS 1.26: 963/312 B/amdt.-2  
 13796 Announcing examination for auditor for duty with Army Audit Agency, Auditor General, Navy, Auditor General, Air Force; salaries, grade GS-9, \$7,030, grade GS-11, \$8,410, grade GS-12 \$9,980, announcement 275B, Feb. 13, 1962, revised Apr. 1964. [1964.] 8 p. 4° [No closing date.] † Item 292 CS 1.26: 962/275-B/rev.-2  
 13797 Announcing examination for postmaster, AN 3301. May 1964. [4] p. il. † ● Item 292 CS 1.28: 3301/8  
 13798 Chart your future as an astronomer in naval laboratories of the Potomac or other Federal agencies in Washington, D.C., metropolitan area [announcement 330B]. [June 23, 1964.] cover title, [2]+18 p. il. 4° [X-118 modified. No closing date.] † CS 1.26: 964/330B  
 13799 Current Federal examination announcements, AN 2279 supp. A to issue 160, July-Aug. 1964. [1964.] 1 p. oblong 48° † ● Item 292 CS 1.28: 2279/160/supp.A  
 13800 — AN 2279, supp. B to issue 160, July-Aug. 1964. [1964.] 1 p. oblong 48° † ● Item 292 CS 1.28: 2279/160/supp.B  
 13801 — AN 2279, supp. C to issue 160, July-Aug. 1964. [1964.] 1 p. oblong 48° † ● Item 292 CS 1.28: 2279/160/supp.C  
 13802 — AN 2279, supp. D to issue 160, July-Aug. 1964. [1964.] 1 p. oblong 48° † ● Item 292 CS 1.28: 2279/160/supp.D  
 13803 Food and drug officer, \$7,030 to \$15,665 a year (grades GS-9 through GS-15), apply to Executive Secretary, Board of U.S. Civil Service Examiners, Food and Drug Administration, Department of Health, Education, and Welfare, Washington, D.C. 20204, announcement 334B. July 14, 1964. 4 p. 4° [No closing date.] † ● Item 292 CS 1.26: 964/334B  
 13804 Interagency training program, 1964-65. [1964.] xii+231 p. (Office of Career Development.) † ● Item 296-A CS 1.65: 964-65  
 Pamphlet.  
 13805 58. Opportunities in trades and crafts with Federal Government, experienced craftsmen, journeymen, machine operators, repairmen, apprentices, helpers, laborers. May 1964. [2] p. il. oblong 8°, folded into 32° size. † ● Item 299 CS 1.48: 58/4

\*For Sale by Superintendent of Documents  
 †Distribution Made by Issuing Office  
 ‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
 Unless Otherwise Indicated



# AUGUST 1964

- 13806 Salary supplement to announcement 332-B for engineer. July 1, 1964. 1 p. oblong 48° † CS 1.26: 964/332-B/supp.
- 13807 U.S. Civil Service Commission announces examination for apprenticeship and training representative, \$7,030 and \$8,410 a year (grades GS-9 and GS-11), apply to Executive Secretary, Board of Civil Service Examiners, Department of Labor, Washington, D.C., 20210, announcement 179 B. Jan. 27, 1959, revised May 1964. [1964.] 11 p. narrow 8° [No closing date.] † ● Item 292 CS 1.26: 959/179 B/rev.-3
- 13808 U.S. Civil Service Commission announces examination for economist for following specialized fields: Economist, financial economist, regional economist, industry economist, international economist, labor economist, industrial organization economist, agricultural economist, salaries grades GS-9—GS-15, announcement 303 B. May 7, 1963, revised June 1964. [1964.] 6 p. 4° [No closing date.] † ● Item 292 CS 1.26: 963/303 B/rev.
- 13809 U.S. Civil Service Commission announces examination for warehouse examiner, optional branches, cotton, grain, processed agricultural commodities, \$4,690 and \$5,795 a year (grades GS-5 and GS-7), for duty with Department of Agriculture, Agricultural Marketing Service and Commodity Stabilization Service, announcement 249 B. Nov. 15, 1960, revised June 1964. [1964.] 6 p. 4° [No closing date.] † ● Item 292 CS 1.26: 960/249 B/rev.
- 13810 United States Civil Service Commission announces examination for engineer, all branches and specialties at grades GS-5—GS-15, to fill both research and non-research professional engineering positions in all Federal agencies in Washington, D.C. area, announcement 332 B. July 1, 1964. 8 p. 4° [No closing date.] † ● Item 292 CS 1.26: 964/332 B
- 13811 United States Civil Service Commission announces examination for hearing examiner, positions in various Federal regulatory bodies in Washington, D.C. and throughout United States, announcement 318. [Revised Aug. 1964.] [1964.] 23 p. il. 4° † ● Item 292 CS 1.26: 964/318/rev.

## COAST AND GEODETIC SURVEY, Commerce Dept.

- 13812 Tide tables, high and low water predictions, central and western Pacific Ocean and Indian Ocean, 1965. [1964.] 386 p. il. [Index map of tide table coverage on p. 2 of cover. Includes list of publications relating to tides and tidal currents.] † Paper, \$2.00. ● Item 196 L.C. card 7-35369 C 4.15/6: 965
- 13813 — Europe and west coast of Africa, including Mediterranean Sea, 1965. [1964.] 210 p. il. large 8° [Index map of tide table coverage on p. 2 of cover. Includes list of publications relating to tides and tidal currents.] † Paper, \$2.00. ● Item 198 L.C. card 50-60825 C 4.15/7: 965

## COAST GUARD, Treasury Dept.

- Oceanographic reports. † ● Item 940-B T 47.55: (nos.)
- 13814 2. Oceanographic observations, North Atlantic Ocean station Echo, 35° N. 48° W. Jan.-Feb. 1963 [with list of literature cited]; by R. M. Morse and J. W. McGary. Jan. 1964. v+31 p. il. 4° ([Oceanographic Unit]; CG 373-2.)
- 13815 3. Oceanographic observations, North Atlantic Ocean station Delta, 44° N. 41° W. Mar.-Apr. 1963 [with list of literature cited]; by J. W. McGary and R. M. Morse. Feb. 1964. v+30 p. il. ([Oceanographic Unit]; CG 373-3.)
- 13816 Rules and regulations for passenger vessels, Apr. 1, 1964. 1964. viii+174 p. 4° (CG-256.) [Title 46, Code of Federal regulations, pt. 70-80. Replaces edition of Jan. 2, 1962.] † ● Item 943 L.C. card 53-60489 T 47.8: V 63/9/964

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# GOVERNMENT PUBLICATIONS

## COMMERCE DEPARTMENT

NOTE.—Requests to the Commerce Department for publications should include the Comm-DC-number if given in the entry.

- 13817 Address by Secretary of Commerce Luther H. Hodges prepared for delivery at 46th annual Duluth Day Dinner of Duluth Chamber of Commerce, Duluth, Minn., June 9, 1964. [1964.] 8 p. 4° (Comm-DC-46172.) †  
C 1.18: H 66/179
- 13818 Address by Secretary of Commerce Luther H. Hodges, prepared for delivery at foundation laying ceremony for Plaza Tower, New Orleans, La., July 11, 1964. [1964.] 4 p. 4° (Comm-DC-20024.) † C 1.18: H 66/181
- 13819 Address by Secretary of Commerce Luther H. Hodges, prepared for delivery to joint meeting of Professional Engineers of North Carolina and officers and directors of National Society of Professional Engineers, Asheville, N.C., July 3, 1964. [1964.] 7 p. 4° (Comm-DC-20005.) †  
C 1.18: H 66/180
- 13820 American consumer, king or pawn?, text of address by Richard H. Holton, Assistant Secretary of Commerce of Economic Affairs, for delivery at Intermountain Regional Consumer Conference, Salt Lake City, Utah, June 16, 1964. [1964.] 10 p. 4° †  
C 1.18: H 744/10
- 13821 Bridge of understanding, remarks by James G. Morton, Special Assistant to Secretary of Commerce, at National Convention of Outdoor Writers Association at McAllen, Tex., June 22, 1964. [1964.] 10 p. 4° †  
C 1.18: M 84/6
- 13822 Civilian industrial technology program in textiles. June 1964. [6] p. il. narrow 8° †  
C 1.2: T 31/3
- 13823 Government speaks to business, text of address by Richard H. Holton, Assistant Secretary of Commerce for Economic Affairs, for delivery at 61st annual Advertising Association of the West convention, Sun Valley, Idaho, July 7, 1964. [1964.] 15 p. 4° †  
C 1.18: H 744/12
- 13824 Programmes d'assurance et garantie de crédit applicables aux exportations des Etats Unis; [par Ada Wrigley]. [1964.] 11 p. 4° [Tiré de l'édition Mars. 25, 1963 de International commerce. For English edition see Monthly catalog, Aug. 1963, Entry 14071.] † C 42.8/a: Ex 75/6/French
- 13825 Regional impact studies, progress and problems, text of address by Richard H. Holton, Assistant Secretary of Commerce for Economic Affairs, for delivery at 11th annual international meeting of Institute of Management Sciences, Pittsburgh, Pa., Mar. 12, 1964. [1964.] 8 p. 4° †  
C 1.18: H 744/11
- 13826 Remarks by Clarence D. Martin, jr., Under Secretary of Commerce for Transportation, at 43d annual conference of Western Association of State Highway Officials, San Diego, Calif., June 15, 1964. [1964.] 7 p. 4° †  
C 1.18: M 36/31
- 13827 Remarks by Under Secretary of Commerce Franklin D. Roosevelt, jr., before annual awards banquet of Federal Government Accountants Association, New York, N.Y., June 18, 1964. [1964.] 4 p. 4° †  
C 1.18: R 67/15
- 13828 Remarks by Under Secretary of Commerce Franklin D. Roosevelt, jr., before 16th annual World Congress of International Advertising Association, New York, N.Y., June 9, 1964. [1964.] 4 p. 4° †  
C 1.18: R 67/12
- 13829 Remarks by Under Secretary of Commerce Franklin D. Roosevelt, jr., before luncheon meeting on International Council of Industrial Editors, New York, N.Y., June 9, 1964. [1964.] 5 p. 4° † C 1.18: R 67/13

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

- 13830 Remarks by Under Secretary of Commerce Franklin D. Roosevelt, jr., prepared for delivery before banquet session of Manufacturing Chemists' Association, White Sulphur Springs, W. Va., June 12, 1964. [1964.] 4 p. 4° † C 1.18: R 67/14
- 13831 Remarks by William W. Eaton, Deputy Assistant Secretary of Commerce for Science and Technology, before 20th annual meeting of Institute of Navigation, New York, N.Y., June 15, 1964. [1964.] 4 p. 4° (COMM-DC-10625.) † C 1.18: Ea 8/3

COMMODITY CREDIT CORPORATION, Agriculture Dept.

- 13832 Report of president of Commodity Credit Corporation, 1963. [Mar. 1964.] 34 p. † ● Item 34 A 82.301: 963  
L.C. card Agr 40-577

CONGRESS

- 13833 Congressional record, proceedings and debates of 88th Congress, 1st session, v. 109, pt. 15, Oct. 16-31, 1963. [Permanent edition.] 1963. [1]+19609-20864 p. 4° \* Cloth, \$4.00. ● Item 993 X.88/1: 109/pt.15  
L.C. card 12-36438
- 13834 — v. 109, pt. 16, Nov. 1-15, 1963. [Permanent edition.] 1963. [1]+20865-22014 p. 4° \* Cloth, \$3.75. ● Item 993 X.88/1: 109/pt.16  
L.C. card 12-36438
- 13835 — v. 109, pt. 17, Nov. 18-Dec. 3, 1963. [Permanent edition.] 1963. [1]+22015-23188 p. 4° \* Cloth, \$3.75. ● Item 993 X.88/1: 109/pt.17  
L.C. card 12-36438
- 13836 — v. 109, pt. 18, Dec. 4-12, 1963. [Permanent edition.] 1963. [1]+23189-24450 p. 4° \* Cloth, \$4.00. ● Item 993 X.88/1: 109/pt.18  
L.C. card 12-36438

NOTE.—In the permanent bound edition, the paging differs from that of the daily numbers, the text being revised, rearranged, and printed without break. Extraneous matter appearing in the Appendix is omitted from the permanent form of the Congressional record.

- 13837 Memorial services held in House of Representatives and Senate of United States, together with remarks presented in eulogy of William J. Green, jr., late representative from Pennsylvania, 88th Congress, 1st session, 1964. 113 p. 1 por. † ● Item 1005 Y 7.1: G 827  
L.C. card 64-61999

United States code, 1958 edition, cumulative supp. 5, containing general and permanent laws of United States enacted during 86th and 87th Congresses and 88th Congress, 1st session, Jan. 7, 1959-Jan. 6, 1964; prepared by Committee on Judiciary of House of Representatives. ● Item 991

- 13838 v. 2. Title 20, education to title 39. Postal service. 1964. xxv+[1]+1081+2136 p. il. large 8° \* Fabrikoid, \$6.25. Y 4.J 89/1: Un 3/3/958/supp.5/v.2

Congressional serial set

NOTE.—At the end of each session of Congress the House and Senate documents and reports are accumulated into bound volumes comprising the Congressional serial set. No catalog entry is made for the volumes of the Serial set since the documents and reports contained therein have been previously listed in the Monthly catalog.

The following bound volumes were sent to depository libraries during the period of this catalog:

House reports:

- 13839 nos. 1194-1695, with exceptions, 86th Congress, 2d session, House miscellaneous reports on private bills I [Serial 12250]. ● Item 1007-B  
nos. 1696-2167, with exceptions, 86th Congress, 2d session, House miscellaneous reports on private bills II [Serial 12251]. ● Item 1007-B

\*For Sale by Superintendent of Documents

‡For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# GOVERNMENT PUBLICATIONS

## Laws

NOTE.—The Federal laws are first published separately and in this form are known as "slip laws". Later, these laws are compiled, edited, indexed, and published in the volumes of the Statutes at large.

Private laws, 88th Congress. † House or Senate Document Rooms, Capitol.

- 13840 229. S. 538, act for relief of Henry Bang Williams. Approved June 6, 1964. 1 p.
- 13841 230. H.R. 1382, act for relief of John Gatzopf Overbeck and Mary Gatzopoulos Overbeck. June 9, 1964. 1 p.
- 13842 231. H.R. 6876, act for relief of Capt. Wilfrid E. Gellinas, United States Air Force. Approved June 11, 1964. 1 p.
- 13843 232. H.R. 7757, act for relief of Jesse I. Ellington. Approved June 11, 1964. 1 p.
- 13844 233. H.R. 8222, act for relief of Edward J. Maurus. Approved June 11, 1964. 1 p.
- 13845 234. H.R. 8348, act for relief of Mrs. Faye E. Russell Lopez. Approved June 11, 1964. 1 p.
- 13846 235. H.R. 8532, act for relief of Ivan D. Beran. Approved June 11, 1964. 1 p.
- 13847 236. H.R. 8828, act for relief of John T. Cox. Approved June 11, 1964. 1 p.
- 13848 237. H.R. 8936, act for relief of Leonard M. Dalton. Approved June 11, 1964. 1 p.
- 13849 238. H.R. 9475, act for relief of Grace Smith, and others. Approved June 11, 1964. 1 p.
- 13850 239. H.R. 10078, act for relief of Philip N. Shepherdson. Approved June 11, 1964. 1 p.
- 13851 240. H.R. 1727, act for relief of Richard G. Green, jr. Approved June 12, 1964. 1 p.
- 13852 241. H.R. 5305, act for relief of Ernest P. Imle. Approved June 12, 1964. 1 p.
- 13853 242. H.R. 5571, act for relief of Noble Frank Smith and his wife, Viola Smith. Approved June 12, 1964. 1 p.
- 13854 243. H.R. 1887, act for relief of Chang In Wu. Approved June 24, 1964. 1 p.
- 13855 244. H.R. 8964, act for relief of Diedre Regina Shore. Approved June 24, 1964. 1 p.
- 13856 245. S. 718, act for relief of W. H. Pickle. Approved June 25, 1964. 1 p.
- 13857 246. H.R. 2818, act for relief of Elmer J. and Richard R. Payne. Approved June 29, 1964. 1 p.
- 13858 247. H.R. 9220, act for relief of Elisabete Maria Fonseca. Approved June 29, 1964. 1 p.
- 13859 248. H.R. 6308, act for relief of Gerard Puillet. Approved June 30, 1964. 1 p.
- 13860 249. H.R. 6843, act for relief of David Sheppard. Approved June 30, 1964. 1 p.
- 13861 250. H.R. 9090, act for relief of Mrs. Audrey Rossmann. Approved June 30, 1964. 1 p.
- 13862 251. H.R. 2726, act for relief of John F. Wood of Newport News, Va. Approved July 3, 1964. 1 p.
- 13863 252. H.R. 5514, act to direct Secretary of Interior to sell certain public lands in Arizona. Approved July 7, 1964. 1 p.
- 13864 253. H.R. 5408, act for relief of Jackie Bergancia Smith. Approved July 11, 1964. 1 p.
- 13865 254. H.R. 5501, act for relief of Wieslawa Marianna Borczon. Approved July 11, 1964. 1 p.

Public laws, 88th Congress. ● Item 575

NOTE.—Public laws in slip form in the first prints may be obtained from the Superintendent of Documents, Washington, D.C., 20402, at a subscription price of \$12.00 per session, \$2.00 addition for foreign mailing; single copies vary in price.

- 13866 316. S. 741, act to amend title 18, United States Code, to prohibit schemes in interstate or foreign commerce to influence by bribery sporting contests, and for other purposes. Approved June 6, 1964. 1 p. \* Paper, 5c.
- 13867 317. H.R. 11201, act making deficiency appropriations for fiscal year 1964, and for other purposes. [Approved June 9, 1964.] 10 p. \* Paper, 10c.
- 13868 318. H.J. Res. 889, joint resolution commemorating golden anniversary of Naval Air Station, Pensacola, Fla., and authorizing design and manufacture of galvano in commemoration of this significant event. Approved June 12, 1964. 1 p. \* Paper, 5c.
- 13869 319. H.R. 10774, act to authorize disposal, without regard to prescribed 6-month waiting period, of cadmium from national stockpile and supplemental stockpile. Approved June 12, 1964. 1 p. \* Paper, 5c.
- 13870 320. H.R. 7332, act granting consent of Congress to further supplemental compact or agreement between State of New Jersey and Commonwealth Pennsylvania concerning Delaware River Port Authority, formerly Delaware River Joint Commission, and for other purposes. [Approved June 13, 1964.] 7 p. \* Paper, 5c.
- 13871 321. S.J. Res. 103, joint resolution to increase amount authorized to be appropriated for work of President's Committee on Employment of Physically Handicapped. Approved June 24, 1964. 1 p. \* Paper, 5c.
- 13872 322. H.R. 9934, act to authorize construction of dam on St. Louis River, Minn. Approved June 25, 1964. 1 p. \* Paper, 5c.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# AUGUST 1964

- 13873 323. H.R. 10465, act to extend for temporary period existing provisions of law relating to free importation of personal and household effects brought into United States under Government orders. Approved June 25, 1964. 1 p. \* Paper, 5c.
- 13874 324. H.R. 10463, act to continue until close of June 30, 1965, existing suspension of duties for metal scrap. Approved June 29, 1964. 1 p. \* Paper, 5c.
- 13875 325. H.J. Res. 1056, joint resolution making continuing appropriations for fiscal year 1965, and for other purposes. [Approved June 29, 1964.] 2 p. \* Paper, 5c.
- 13876 326. H.R. 9720, act authorizing study of dust control measures at Long Island, Port Isabel, Tex. Approved June 29, 1964. 1 p. \* Paper, 5c.
- 13877 327. H.R. 11375, act to provide for period ending June 30, 1965, temporary increase in public debt limit set forth in sec. 21 of Second Liberty Bond act. Approved June 29, 1964. 1 p. \* Paper, 5c.
- 13878 328. S. 1828, act to amend joint resolution establishing Battle of Lake Erie Sesquicentennial Celebration Commission so as to authorize appropriation to carry out provisions thereof. Approved June 29, 1964. 1 p. \* Paper, 5c.
- 13879 329. H.R. 10537, act to continue for temporary period existing suspension of duty on certain natural graphite. Approved June 29, 1964. 1 p. \* Paper, 5c.
- 13880 330. H.R. 9964, act to extend for 2-years period for which payments in lieu of taxes may be made with respect to certain real property transferred by Reconstruction Finance Corporation and its subsidiaries to other Government departments. Approved June 29, 1964. 1 p. \* Paper, 5c.
- 13881 331. H.R. 2652, act to amend Tariff act of 1930 to provide for duty-free importation of certain wools for use in manufacturing of polishing felts. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13882 332. H.R. 10945, act to authorize appropriations to Atomic Energy Commission in accordance with sec. 281 of Atomic energy act of 1954, as amended, and for other purposes. [Approved June 30, 1964.] 4 p. \* Paper, 5c.
- 13883 333. H.R. 8975, act to provide for tariff classification of certain particleboard. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13884 334. H.R. 1608, act to amend Tariff act of 1930 to provide that certain aircraft engines and propellers may be exported as working parts of aircraft, and for other purposes. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13885 336. H.R. 10468, act to continue until close of June 30, 1966, existing suspension of duty on certain copying shoe lathes. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13886 337. H.R. 4198, act to amend Tariff act of 1930 to provide for free importation of soluble and instant coffee. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13887 338. H.R. 7480, act to suspend for temporary period import duty on manganese ore (including ferruginous ore) and related products. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13888 339. H.R. 10669, act to extend Renegotiation act of 1951, and for other purposes. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13889 340. H. J. Res. 1041, joint resolution temporarily extending program of insured rental housing loans for elderly in rural areas under title 5 of Housing act of 1949. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13890 341. H.R. 8230, act to amend sec. 24 of Federal reserve act (12 U.S.C. 371) to liberalize conditions for loans by national banks on forest tracts. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13891 342. H.R. 8268, act to prevent double taxation in case of certain tobacco products exported and returned unchanged to United States for delivery to manufacturer's bonded factory. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13892 343. H.R. 10000, act to extend Defense production act of 1950, and for other purposes. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13893 344. H.R. 11499, act to amend sec. 14(b) of Federal reserve act, as amended, to extend for 2 years authority of Federal reserve banks to purchase United States obligations directly from Treasury. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13894 345. H.R. 9688, act to extend period during which responsibility for placement and foster care of dependent children, under program of aid to families with dependent children under title 4 of Social security act, may be exercised by public agency other than agency administering such aid under State plan. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13895 346. H.R. 8673, act to amend title 5 of Federal aviation act of 1958 to provide that validity of instrument the recording of which is provided for by such act shall be governed by laws of place in which such instrument is delivered, and for other purposes. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13896 347. H.R. 10466, act to amend title 11 of Social security act to extend period during which temporary assistance may be provided for United States citizens returned from foreign countries. Approved June 30, 1964. 1 p. \* Paper, 5c.
- 13897 349. H.R. 6041, act to amend prevailing wage section of Davis-Bacon act, as amended, and related sections of Federal airport act, as amended, and National housing act, as amended. [Approved July 2, 1964.] 2 p. \* Paper, 5c.

\*For Sale by Superintendent of Documents

✦For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

Page 21

# GOVERNMENT PUBLICATIONS

## Public laws, 88th Congress—Continued

- 13898 350. H.R. 3348, act to amend sec. 316 of Social security amendments of 1958 to extend time within which teachers and other employees covered by same retirement system in Maine may be treated as being covered by separate retirement systems for purposes of old-age, survivors, and disability insurance program. Approved July 2, 1964. 1 p. \* Paper, 5c.
- 13899 351. H.R. 3496, act to further amend Reorganization act of 1949, as amended, so that such act will apply to reorganization plans transmitted to Congress at any time before June 1, 1965. Approved July 2, 1964. 1 p. \* Paper, 5c.
- 13900 352. H.R. 7152, act to enforce constitutional right to vote, to confer jurisdiction upon district courts of United States to provide injunctive relief against discrimination in public accommodations, to authorize Attorney General to institute suits to protect constitutional rights in public facilities and public education, to extend Commission on Civil Rights, to prevent discrimination in federally assisted programs, to establish Commission on Equal Employment Opportunity, and for other purposes. [Approved July 2, 1964.] 29 p. \* Paper, 15c.
- 13901 353. H.R. 8459, act to amend Federal credit union act to allow Federal credit unions greater flexibility in their organization and operations. Approved July 2, 1964. 1 p. \* Paper, 5c.
- 13902 354. S.J. Res. 71, joint resolution to establish National Commission on Food Marketing to study food industry from producer to consumer. [Approved July 3, 1964.] 3 p. \* Paper, 5c.
- 13903 355. H.R. 6920, act to amend sec. 715 of title 38, United States Code, to authorize, under certain conditions issuance of total disability income provisions for inclusion in National Service Life Insurance policies to provide coverage to age 65. Approved July 7, 1964. 1 p. \* Paper, 5c.
- 13904 356. H.R. 10433, act making appropriations for Department of Interior and related agencies for fiscal year 1965, and for other purposes. [Approved July 7, 1964.] 19 p. \* Paper, 15c.
- 13905 357. H.R. 9094, act to authorize the President to declare July 9, 1964, as Monocacy Battle Centennial in commemoration of 100th anniversary of the Battle of Monocacy. Approved July 7, 1964. 1 p. \* Paper, 5c.
- 13906 358. H.R. 8462, act to authorize conveyance of certain real property of United States heretofore granted to Grand Prairie, Tex., for public airport purposes, contingent upon approval by Administrator of Federal Aviation Agency, and to provide for conveyance to United States of certain real property now used by such city for public airport purposes. [Approved July 7, 1964.] 5 p. \* Paper, 5c.
- 13907 359. H.R. 3941, act to amend sec. 902 of title 38, United States Code, to eliminate offset against burial allowances paid by Veterans' Administration for amounts paid by burial associations. Approved July 7, 1964. 1 p. \* Paper, 5c.
- 13908 360. H.R. 2664, act to amend sec. 6(e) of Universal military training and service act to provide exemption from induction for sole surviving son of family whose father died as result of military service. Approved July 7, 1964. 1 p. \* Paper, 5c.
- 13909 361. H.R. 221, act to amend chap. 35 of title 38, United States Code, to provide educational assistance to children of veterans who are permanently and totally disabled from injury or disease arising out of active military, naval, or air service during period of war or induction period. [Approved July 7, 1964.] 2 p. \* Paper, 5c.
- 13910 362. H.R. 9311, act to continue for 2 years existing suspensions of duty on certain alumina and bauxite. Approved July 7, 1964. 1 p. \* Paper, 5c.
- 13911 363. H.R. 9740, act to establish Roosevelt Campobello International Park, and for other purposes. [Approved July 7, 1964.] 4 p. \* Paper, 5c.
- 13912 364. H.R. 6777, act to amend sec. 712 of title 38 United States Code to provide for waiver of premiums for certain veterans holding national service life insurance policies who become or have become totally disabled before their 65th birthday. Approved July 7, 1964. 1 p. \* Paper, 5c.
- 13913 365. S. 6, act to authorize Housing and Home Finance Administrator to provide additional assistance for development of comprehensive and coordinated mass transportation systems, both public and private, in metropolitan and other urban areas, and for other purposes. [Approved July 9, 1964.] 6 p. \* Paper, 5c.
- 13914 366. H.J. Res. 475, joint resolution to authorize the President to proclaim Dec. 7, 1946, as Pearl Harbor Day in commemoration of 25th anniversary of attack on Pearl Harbor. Approved July 9, 1964. 1 p. \* Paper, 5c.
- 13915 367. H.R. 5478, act authorizing survey of Frio River in vicinity of Three Rivers, Tex., in interest of flood control and allied purposes. Approved July 9, 1964. 1 p. \* Paper, 5c.

## ECONOMIC JOINT COMMITTEE

- 13916 Impact of military and related civilian supply and service activities on economy, hearings before Subcommittee on Defense Procurement, 88th Congress, 2d session, Apr. 16 and 21, 1964. 1964. xiii+384 p. il. \* Paper, \$1.25. • Item 1000  
L.C. card 64-61924

Y 4.Ec 7: M 59/964

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



HOUSE OF REPRESENTATIVES

- 13917 Major legislative actions, 88th Congress, up to July 2, 1964; prepared by Office of Coordinator of Information. [1964.] 40 p. 4° [Pages 23-24 are blank, but with no omission of text.] ‡ Y 1.2: L 52/964-3

*House bills*

NOTE.—The following list includes all public bills and resolutions introduced during the period of this catalog with the exception of those which were identical with bills and resolutions previously introduced. Amendments are not listed.

For information concerning bills, see (1) House calendar, (2) Congressional record index, or (3) Digest of public general bills prepared by the Legislative Reference Service, Library of Congress.

Depository libraries should consult the depository shipping lists for a complete list of bills and resolutions sent to them by the Superintendent of Documents.

- 13918 H.R. 11518, 11568, 11611, 11615-16, 11620, 11624-25, 11627, 11638-51, 11659-66, 11668-72, 11676, 11679-80, 11682-87, 11695-11700, 11707, 11711-20, 11722, 11724-25, 11727-28, 11741-45, 11747-61, 11772, 11779, 11812, 11818-22, 11824-25, 11832-55, 11865, 11867, 11869, 11871-81, 11893-11905, 11907-28, 11946-50, 11960-84, 12009-10, 12015, 12017, H. Con. Res. 314-331, H. Joint Res. 1044-1059, 1062, 1067-1068, 1070, 1072, 1074-1076, 1078-1119, H. Res. 787-802. 88th Congress. ● Item 1006.

*House documents*

NOTE.—All House documents, entries for which are followed by a ‡, may be obtained from the House Document Room or from the issuing office.

*House documents, 87th Congress.*

- 13919 488. Official opinions of Attorneys General. v. 41, Jan. 1, 1949-Dec. 31, 1960; edited by Vida Ord Alexander. 1963 [published 1964]. xxx+622 p. [Includes opinions dated Oct. 3, 1928, Apr. 24, 1936, Sept. 20, 1940, June 7, 1947, Jan. 20, 1948, Aug. 24, 1948, Oct. 4, 1948, and Oct. 11, 1948.] \* (Available in departmental edition, cloth, \$2.75. J 1.5:41, and sent to depositories in that form. See Entry no. 14660.)

*House documents, 88th Congress.*

- 13920 [190.] Inaugural address of John Fitzgerald Kennedy, President of United States. Washington, D.C., Jan. 20, 1961 [poster suitable for framing]. [1964.] 20.5 x 15 in. [Document notation does not appear on poster.] \* Paper, 25c. (To be sent to depository libraries in Serial set binding.)
- 13921 232. Chelan division, Chief Joseph Dam project, Wash., letter from Assistant Secretary of Interior transmitting report; Feb. 18, 1964. 1964. xlv + 110 p. il. 2 pl. 8 maps, 5 tabs. ‡ ● Item 996
- 13922 287. Girl Scouts of America, 1963 annual report. [1964.] 119 p. il. \* Paper, 50c. (To be sent to depositories in serial set binding.) L.C. card 51-61149
- 13923 294. Food for peace, 19th semiannual report on Public law 480 [83d Congress, as amended, for period July 1-Dec. 31, 1963.] [1964.] cover title, 139 p. il. 4° ‡ ● Item 996 L.C. card 57-61702
- 13924 311. Saline River and tributaries, Ill., letter from chief of engineers, Army submitting report in response to item in Flood control act; June 17, 1964. 1964. vi+3 p. 4° [Also issued in departmental edition and sent to depositories in that form. See Entry no. 14209.]
- 13925 312. Judicial Conference of United States, letter from Chief Justice, Supreme Court of United States, transmitting report of proceedings of special meeting, June 24, 1964. 1964. vi+47 p. ‡ ● Item 996 L.C. card 41-18702
- 13926 314. NASA 9th semiannual report to Congress, Jan. 1-June 30, 1963. [1964.] xvi+216 p. il. \* (Available in departmental edition, \$1.00, NAS 1.1: 963, and sent to depositories in that form. See Entry no. 14928.)

*House reports*

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

*House reports on private bills, 88th Congress. ‡ House Document Room, Capitol. ● Item 1008-B*

- 13927 1498. Permitting vessel SC-1473 to engage in fisheries. Report from Committee on Merchant Marine and Fisheries to accompany H.R. 6007. June 23, 1964. 4 p.

\*For Sale by Superintendent of Documents

‡For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C., Unless Otherwise Indicated

## GOVERNMENT PUBLICATIONS

House reports on public bills, 88th Congress. †House Document Room, Capitol. (Nos. 1480 and 1548 are sold by Superintendent of Documents.)

● Item 1008-A

- 13928 1480, 2v. State taxation of interstate commerce. Report of Special Subcommittee on State Taxation of Interstate Commerce of Committee on Judiciary, pursuant to Public law 86-272, as amended. (To be sent to depository libraries in Serial set binding). L.C. card 64-62027. v. 1, pt. 1, General introduction; pt. 2, Income taxes. 1964. xxi+599 p. ll. \* Paper, \$1.75.
- 13929 1486. Consideration of H.R. 11579. Report from Committee on Rules to accompany H. Res. 755. June 15, 1964. 1 p.
- 13930 1497. Extension of time to file 1964 tobacco allotment leases. Report from Committee on Agriculture to accompany H.J. Res. 1026. June 22, 1964. 4 p.
- 13931 1499. Disposition of sundry papers. Report from Joint Committee on Disposition of Executive Papers. June 23, 1964. 2 p.
- 13932 1500. Authorizing disposal of pig tin from national stockpile. Report from Committee on Armed Services to accompany H. Con. Res. 300. June 23, 1964. 5 p.
- 13933 1501. Bill authorizing Secretary of Navy to sell crude oil from naval petroleum reserve no. 4, Alaska, for limited time. Report from Committee on Armed Services to accompany H.R. 6299. June 23, 1964. 6 p.
- 13934 1502. Relief of certain commissioned officers of Army and Air Force who were erroneously paid uniform allowance under provisions of Career compensation act of 1949, as amended. Report from Committee on Armed Services to accompany H.R. 10328. June 23, 1964. 9 p.
- 13935 1503. Authorizing disposal of molybdenum from national stockpile. Report from Committee on Armed Services to accompany H.R. 11235. June 23, 1964. 8 p.
- 13936 1504. Authorizing disposal of lead from national stockpile. Report from Committee on Armed Services to accompany H.R. 11257. June 23, 1964. 9 p.
- 13937 1505. Authorizing payment of expenses incident to evacuation of dependents of military personnel from Panama and Cyprus. Report from Committee on Armed Services to accompany H.R. 11626. June 23, 1964. 4 p.
- 13938 1506. Protection of postal patrons from morally offensive mail matter. Report from Committee on Post Office and Civil Service to accompany H.R. 319. June 23, 1964. 15 p.
- 13939 1507. Equalize treatment of Reserves and Regulars in payment of per diem. Report from Committee on Armed Services to accompany H.R. 2500. June 23, 1964. 7 p.
- 13940 1508. Authorizing promotion of qualified Reserve officers of Army and Air Force to existing unit vacancies. Report from Committee on Armed Services to accompany H.R. 2501. June 23, 1964. 10 p.
- 13941 1509. Authorizing cancellation of indebtedness of enlisted members of Armed Forces and National Guard. Report from Committee on Armed Services to accompany H.R. 2502. June 23, 1964. 11 p.
- 13942 1510. Authorizing Reserve officers to combine service in more than one Reserve component in computing 4 years of satisfactory Federal service necessary to qualify for uniform maintenance allowance. Report from Committee on Armed Services to accompany H.R. 2509. June 23, 1964. 6 p.
- 13943 1511. Authorizing military departments to ship automobiles of Armed Forces personnel to and from Alaska. Report from Committee on Armed Services to accompany H.R. 8676. June 23, 1964. 5 p.
- 13944 1512. Conveyance of land in Salt Lake City, Utah. Report from Committee on Armed Services to accompany H.R. 9021. June 23, 1964. 5 p.
- 13945 1513. Authorizing Secretary of Defense to assist Girl Scouts at their 1965 encampment. Report from Committee on Armed Services to accompany H.R. 9634. June 23, 1964. 5 p.
- 13946 1514. Deductibility of accrued vacation pay. Report from Committee on Ways and Means to accompany H.R. 10467. June 23, 1964. 3 p.
- 13947 1515. Authorizing disposal of zinc from national stockpile. Report from Committee on Armed Services to accompany H.R. 11004. June 23, 1964. 9 p.
- 13948 1516. Amendment of sec. 611(b) of Internal revenue code of 1954 relating to apportionment of depletion allowance between parties to certain contracts. Report from Committee on Ways and Means to accompany H.R. 7307. June 24, 1964. 5 p.
- 13949 1517. Increase FHA loan fund limitation. Report from Committee on Agriculture to accompany H.R. 7073. June 25, 1964. 10 p.
- 13950 1518. Foreign assistance and related agencies appropriation bill, 1965. Report from Committee on Appropriations to accompany H.R. 11812. June 25, 1964. 31 p. [Includes minority views.]
- 13951 1519. Department of Interior and related agencies appropriation bill, 1965. Conference report to accompany H.R. 10433. June 26, 1964. 11 p.
- 13952 1520. Waiving points of order on H.R. 11812. Report from Committee on Rules to accompany H. Res. 793. June 29, 1964. 1 p.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# AUGUST 1964

- 13953 1521. Amending Alaska omnibus act to provide assistance to Alaska for reconstruction of areas damaged by earthquake of Mar. 1964 and subsequent seismic waves. Report from Committee on Interior and Insular Affairs to accompany H.R. 11438. June 29, 1964. 25 p.  
L.C. card 64-62053
- 13954 1522. Amending act of June 16, 1948, to authorize construction of additional bridge across Chesapeake Bay in Maryland. Report from Committee on Public Works to accompany H.R. 10619. June 29, 1964. 6 p.  
L.C. card 64-62057
- 13955 1523. Excise-tax rate extension act of 1964. Conference report to accompany H.R. 11376. June 29, 1964. 5 p.
- 13956 1524. Fishing vessel construction. Report from Committee on Merchant Marine and Fisheries to accompany S. 1006. June 30, 1964. 25 p. [Includes minority views.]  
L.C. card 64-62052
- 13957 1525. Amendments to Atomic energy act of 1954, as amended, Atomic energy community act of 1955, as amended, and Euratom cooperation act of 1958, as amended. Report from Joint Committee on Atomic Energy to accompany H.R. 11832. June 30, 1964. 13 p.
- 13958 1526. Water resources research center. Conference report to accompany S. 2. June 30, 1964. 8 p.  
L.C. card 64-62048
- 13959 1527. Providing for concurrence of House of Representatives to Senate amendment to H.R. 7152. Report from Committee on Rules to accompany H. Res. 789. June 30, 1964. 1 p.
- 13960 1528. Granting additional travel authority to Committee on Agriculture. Report from Committee on Rules to accompany H. Res. 792. June 30, 1964. 1 p.
- 13961 1529. NASA authorization for fiscal year 1965. Conference report to accompany H.R. 10456. July 1, 1964. 6 p. †
- 13962 1530. Tax-exempt status for certain nonprofit nurses' professional registries. Report from Committee on Ways and Means to accompany H.R. 8050. July 1, 1964. 5 p.
- 13963 1531. Report of 4th conference of Mexico-United States Interparliamentary Group, Washington, D.C. by Robert N. C. Nix, chairman of House of Representatives delegation. July 1, 1964. 1964. v+[1]+26 p. †
- 13964 1532. Presentation of monument to Mexico. Report from Committee on Foreign Affairs to accompany S. 944. July 1, 1964. 4 p.
- 13965 1533. Rio Grande Canalization Project. Report from Committee on Foreign Affairs to accompany S. 2370. July 1, 1964. 6 p.
- 13966 1534. Emergency international flood control works, lower Colorado River. Report from Committee on Foreign Affairs to accompany H.R. 7419. July 1, 1964. 12 p.
- 13967 1535. International Commission for Supervision and Control in Laos. Report from Committee on Foreign Affairs to accompany S. 1627. July 1, 1964. 9 p.
- 13968 1536. Foreign Service annuity adjustment act of 1964. Report from Committee on Foreign Affairs to accompany H.R. 10485. July 1, 1964. 20 p.
- 13969 1537. Amending Foreign Service buildings act, 1926, to authorize additional appropriations, and for other purposes. Report from Committee on Foreign Affairs to accompany H.R. 11754. July 1, 1964. 3 p.
- 13970 1538. National Wilderness Preservation System. Report from Committee on Interior and Insular Affairs to accompany H.R. 9070. July 2, 1964. 23 p.  
L.C. card 64-62049
- 13971 1540. Consideration of H.R. 3873. Report from Committee on Rules to accompany H. Res. 799. July 2, 1964. 1 p.
- 13972 1541. Amending law relating to divorce, legal separation, and annulment of marriage in District of Columbia. Report from Committee on District of Columbia to accompany H.R. 10777. July 2, 1964. 7 p.
- 13973 1542. Authorizing free transportation of guides or dog guides accompanying blind persons aboard aircraft. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 8068. July 2, 1964. 4 p.
- 13974 1543. Retirement of members of Secret Service Division. Report from Committee on District of Columbia to accompany H.R. 9995. July 2, 1964. 3 p.
- 13975 1544. Hydroelectric projects on Colorado River. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 9752. July 2, 1964. 11 p.  
L.C. card 64-62055
- 13976 1545. Repealing of restrictions on residence of policemen and firemen. Report from Committee on District of Columbia to accompany H.R. 10683. July 2, 1964. 4 p.
- 13977 1546. Permitting U.S.S. Alabama to pass through Panama Canal. Report from Committee on Merchant Marine and Fisheries to accompany H.R. 11822. July 2, 1964. 3 p.
- 13978 1547. Consideration of H.R. 6793. Report from Committee on Rules to accompany H. Res. 801. July 2, 1964. 1 p.
- 13979 1548. Social security amendments of 1964. Report of Committee on Ways and Means on H.R. 11865; July 11, 1964. 1964. iii+58 p. [Includes separate views of James B. Utt and Bruce Alger.] \* Paper, 20c.  
L.C. card 64-62056

\*For Sale by Superintendent of Documents  
 ‡For Sale by OTS, Commerce Dept.  
 ●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
 Unless Otherwise Indicated

Page 25

# GOVERNMENT PUBLICATIONS

## House reports on public bills—Continued

- 13980 1549. Nurse training act of 1964. Report of Committee on Interstate and Foreign Commerce to accompany H.R. 12241; July 7, 1964. 1964. [1]+54 p.  
L.C. card 64-62054
- 13981 1550. Use of additives in confectionery. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 4731. July 9, 1964. 9 p.  
L.C. card 64-62051
- 13982 1551. Claims of shareholders of General Dyestuff Corp. Report from Committee on Interstate and Foreign Commerce to accompany S. 1451. July 9, 1964. 14 p.
- 13983 1552. Marketing of steel containers. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 5673. July 9, 1964. 9 p.
- 13984 1553. Graduate public health training amendments of 1964. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 11083. July 9, 1964. 18 p.
- 13985 1554. National Commission on Technology, Automation, and Economic Progress. Report from Committee on Education and Labor to accompany H.R. 11611. July 9, 1964. 13 p.  
L.C. card 64-62047

## Agriculture Committee, House

[Committee hearings] serial, 88th Congress. † • Item 1010

- 13986 RR. Administration of pesticide laws and regulations, hearings, 88th Congress, 2d session, May 26, 1964. 1964. iii+39 p.  
L.C. card 64-61783 Y 4.Ag 8/1: P 43
- 13987 SS. National Commission on Food Marketing, hearings, 88th Congress, 2d session, on H.J. Res. 977, May 5-7, 1964. 1964. iii+147 p. il.  
L.C. card 64-61972 Y 4.Ag 8/1: F 73/21

## Armed Services Committee, House

[Papers], 88th Congress. † • Item 1012 Y 4.Ar 5/2a: 963-64/(nos.)

NOTE.—These papers consist largely of hearings. They are paged continuously for binding at the end of session of Congress under title "Hearings before Committee on Armed Services of the House of Representatives on sundry legislation affecting the naval and military establishments." Title page, contents, and index are issued for each volume.

- 13988 48. Subcommittee no. 2 consideration of H.R. 11004, to authorize sale, without regard to 6-month waiting period prescribed, of zinc proposed to be disposed of pursuant to Strategic and critical materials stock piling act. [1964.] p. 9333-70.
- 13989 49. Subcommittee no. 1 consideration of H.R. 8676, to amend sec. 2634 of title 10, United States Code, so as to authorize military departments, in certain cases, to ship automobiles to and from Alaska by commercial motor carrier via highways and Alaska ferry system. [1964.] p. 9371-80.
- 13990 50. Subcommittee no. 3 consideration of H.R. 9634, H.R. 2500, H.R. 2501, H.R. 2502, H.R. 2509, H.R. 10328, and H.R. 10744. [1964.] p. 9381-9417.
- 13991 51. Full committee consideration of H.R. 8676, H.R. 9021, H.R. 11004, H.R. 11235, H.R. 11257, House concurrent resolution 300, H.R. 9634, H.R. 2500, H.R. 2501, H.R. 2502, H.R. 2509, H.R. 10328, H.R. 10744, H.R. 6299, report of Special Subcommittee on Defense Intelligence Agency Building, Navy acquisition project no. 40, Charleston, S.C., 2 consultations relating to naval petroleum and oil shale reserves, and H.R. 11626. [1964.] p. 9419-52.
- 13992 52. Subcommittee no. 2 consideration of H.R. 11257, to authorize sale, without regard to 6-month waiting period prescribed of lead proposed to be disposed of pursuant to Strategic and critical materials stock piling act. [1964.] p. 9453-86, il.
- 13993 53. Subcommittee no. 2 consideration of House concurrent resolution 300, authorizing disposal of approximately 98,000 long tons of pig tin from national stockpile. [1964.] p. 9487-96.
- 13994 54. Subcommittee no. 2 consideration of H.R. 11235, to authorize disposal, without regard to prescribed 6-month waiting period, of approximately 11 million pounds of molybdenum from national stockpile. [1964.] p. 9497-9511.
- 13995 55. Subcommittee no. 1 consideration of H.R. 9718, to authorize crediting of certain military service for purposes of reserve retired pay. [1964.] p. 9513-25.

## Banking and Currency Committee, House

- 13996 Amend sec. 14(b) of Federal reserve act, hearing, 88th Congress, 2d session, on H.R. 11499, June 11, 1964. 1964. iii+8 p. † • Item 1013  
L.C. card 64-61878 Y 4.B 22/1: F 31/29/964

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

## AUGUST 1964

- 13997 Prevalent monetary policy and its consequences, analysis submitted to Subcommittee on Domestic Finance, by Leon H. Keyserling; May 8, 1964. 1964. viii+106 p. il. (Subcommittee print, 88th Congress, 2d session.) †  
L.C. card 64-62140 Y 4.B 22/1 : M 74/15

### *Education and Labor Committee, House*

- 13998 National arts and cultural development act of 1963, hearings before Special Subcommittee on Labor, 88th Congress, 2d session, on H.R. 9587, Apr. 13-17, 1964. 1964. viii+197 p. † ● Item 1015  
L.C. card 64-61973 Y 4.Ed 8/1 : N 21a
- 13999 National Commission on Technology, Automation and Economic Progress, hearings before Select Subcommittee on Labor, 88th Congress, 2d session, on H.R. 10310 and related bills, Apr. 14-27, 1964. 1964. iv+141 p. il. † ● Item 1015  
L.C. card 64-62058 Y 4.Ed 8/1 : N 21c

### *Foreign Affairs Committee, House*

- 14000 International Boundary and Water Commission, United States and Mexico, hearings before Subcommittee on Inter-American Affairs, 88th Congress, 2d session, on H.R. 9444 and H.R. 9445 [and] H.R. 7419, June 23 and 24, 1964. 1964. iii+49 p. † ● Item 1017  
L.C. card 64-62021 Y 4.F 76/1 : F 65

### *Government Operations Committee, House*

- 14001 Operations of Billie Sol Estes, hearings before subcommittee, 87th Congress, 2d session, May 28-Sept. 13, 1962. 1964. xiv+1442 p. † ● Item 1016  
L.C. card 64-62015 Y 4.G 74/7 : Es 8
- 14002 Satellite communications, 1964, hearings before subcommittee, 88th Congress, 2d session. † ● Item 1016  
L.C. card 64-61926 Y 4.G 74/7 : C 73/3/pt.1  
pt. 1. Mar. 17-May 28, 1964. 1964. vii+1-657 p. il.
- 14003 Use of polygraphs as lie detectors by Federal Government, hearings before subcommittee, 88th Congress, 2d session. † ● Item 1016  
L.C. card 64-61430 Y 4.G 74/7 : P 76/2/pt.3  
pt. 3. Panel discussion with scientists, Apr. 29 and 30, 1964. 1964. iv+287-466 p.
- 14004 Water pollution control and abatement, hearings before subcommittee, 88th Congress, 1st session. † ● Item 1016  
L.C. card 64-62019 Y 4.G 74/7 : W 29/pt. (nos.)  
pt. 1A. National survey, May 21-June 5, 1963. 1964. xxxix+1-901 p. il.  
2 maps. [Table of contents lists both pt. 1A and 1B.]  
pt. 1B. National survey, June 6-25, 1963. 1964. xxxii+903-1841 p. il.

### *House Administration Committee, House*

- 14005 National flower or floral emblem, hearing before Subcommittee on Library and Memorials, 88th Congress, 2d session, on H.J. Res. 10 [and other bills], June 5, 1964. 1964. iii+48 p. † ● Item 1018  
Y 4.H 81/3 : F 66/964

\*For Sale by Superintendent of Documents

‡For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# GOVERNMENT PUBLICATIONS

## *Interior and Insular Affairs Committee, House*

[Committee hearings] serial, 88th Congress. † ● Item 1023  
Y 4.In 8/14: 88/(nos.)

- 14006 18. Review of stockpiling of minerals and metals, hearings before Subcommittee on Mines and Mining, 88th Congress, 2d session.  
L.C. card 64-61331  
pt. 2. Industry witnesses. 1964. iii+175-212 p.
- 14007 22. Mid-State reclamation project, Nebr., hearings before Subcommittee on Irrigation and Reclamation, 88th Congress, 2d session, on H.R. 2681 and H.R. 1905, Mar. 2 and 3, 1964. 1964. iv+186 p. il. 2 pl. 2 maps, 1 tab.  
L.C. card 64-61776
- 14008 23. Auburn-Folsom South unit, American River division, Central Valley project, Calif., hearings before Subcommittee on Irrigation and Reclamation, 88th Congress, 2d session, on H.R. 2411 and related bills, May 4 and 5, 1964. 1964. v+174 p. il. 1 pl.

## *Interstate and Foreign Commerce Committee, House*

- 14009 FPC jurisdiction, Colorado River development, hearing before subcommittee, 88th Congress, 2d session, on H.R. 9752, June 9, 1964. 1964. iii+44 p. † ● Item 1019  
L.C. card 64-61877 Y 4.In 8/4: C 71/2

## *Judiciary Committee, House*

[Committee hearings] serial, 88th Congress. †

- 14010 6. Criminal penalties in connection with highway construction program, hearings before Subcommittee no. 4, 88th Congress, 2d session, on H.R. 2557, H.R. 5713, H.R. 6080, H.R. 6870, Mar. 12 and 13, 1964. 1964. iii+57 p.  
● Item 1020 Y 4.J 89/1: 88/6

## *Merchant Marine and Fisheries Committee, House*

[Committee hearings] serial, 88th Congress. † ● Item 1021

- 14011 12. Fishing vessel subsidies: pt. 2, Hearing before Subcommittee on Fisheries and Wildlife Conservation, 88th Congress, 1st session, on H.R. 2172, H.R. 2643, S. 1006, Nov. 13, 1963. 1964. iv+95-167 p.  
L.C. card 63-65372 Y 4.M 53: 88-12
- 14012 Florida Coast Guard, inspection report, report of special subcommittee on inspection trip to 7th Coast Guard District, Feb. 13, 1964; May 14, 1964. 1964. ii+3 p. (Committee print, 88th Congress, 2d session.) †  
L.C. card 64-62124 Y 4.M 53: C 63/17

## *Post Office and Civil Service Committee, House*

- 14013 Curtailment of postal services, hearings before Subcommittee on Postal Operations, 88th Congress, 2d session, June 16-18, 1964. 1964. iii+145 p. il. † ● Item 1022 Y 4.P 84/10: P 84/39
- 14014 Federal paperwork jungle, hearing before Subcommittee on Census and Government Statistics, 88th Congress, 2d session. † ● Item 1022  
L.C. card 64-61782 Y 4.P 84/10: P 19/5/pt. (nos.)
- pt. 2. Chicago, Ill., May 8, 1964. 1964. iii+81-134 p. il.  
pt. 3. Washington, D.C., May 19 and 20, 1964. 1964. iii+135-196 p. il. 1 pl. 1 tab.

## *Public Works Committee, House*

[Committee hearings, serial], 88th Congress. † ● Item 1024

- 14015 21. Appalachian regional development act of 1964, hearings before Ad Hoc Subcommittee on Appalachian Regional Development, 88th Congress, 2d session, on H.R. 11065 and H.R. 11066, May 5—une 11, 1964. 1964. vi+738 p. il.  
L.C. card 64-62102 Y 4.P 96/11: 88/21

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

## AUGUST 1964

- 14016 Real property acquisition practices and adequacy of compensation in Federal and federally assisted programs, hearings before Select Subcommittee on Real Property Acquisition, 88th Congress, 2d session, Feb. 27 and 28, 1964. 1964. v+324 p. [These hearings were held in Boston, Mass. and Providence, R.I.] † ● Item 1024  
L.C. card 64-62060 Y 4.P 96/11: P 94/2/964

### *Rules Committee, House*

- 14017 Civil rights, hearing, 88th Congress, 2d session, on H. Res. 789, June 30, 1964. 1964. ii+57 p. † ● Item 1025  
L.C. card 64-62059 Y 4.R 86/1: C 49/2/964-2

### *Small Business, Select Committee on, House*

- 14018 Small business investment program, hearings, 88th Congress, 2d session, pursuant to H. Res. 13, Mar. 17 and 18, 1964. 1964. v+243 p. il.  
\* Paper, 60c. ● Item 1031  
L.C. card 64-61778 Y 4.Sm 1: In 8

### *Veterans' Affairs Committee, House*

- 14019 Pension bills providing non-service-connected pension benefits for veterans of all wars, hearings before Subcommittee on Compensation and Pensions, 88th Congress, 2d session, on H.R. 33 [and other bills], May 19-28, 1964. 1964. vii+3401-3927 p. il. † ● Item 1027  
L.C. card 64-61923 Y 4.V 64/3: P 38/12/964

### *Ways and Means Committee, House*

- 14020 Federal excise tax structure, panel discussion, 88th Congress, 2d session.  
● Item 1028  
L.C. card 64-62106 Y 4.W 36: Ex 2/11/pt.2  
pt. 2. June 15 and 16, 1964. 1964. iii+122 p. \* Paper, 35c.

## SENATE

- 14021 Factual campaign information; compiled by Senate Library under direction of Felton M. Johnston, Secretary of Senate, Richard D. Hupman, Librarian. Revised July 8, 1964. 1964. iii+71 p. 1 tab. †  
L.C. card 56-60948 Y 1.3: C 15/2/964-2

Journal of executive proceedings of Senate.

NOTE.—These volumes are distributed by the secretary of the Senate. The distribution is limited as the number printed is restricted by law to 50 copies.

- 14022 v. 105, pt. 2. 88th Congress, 1st session, Jan. 9-Dec. 30, 1963, index. 1964. iii  
+1059 p. † Y 1.3/4: 105/pt.2

### *Senate bills*

NOTE.—The following list includes all public bills and resolutions introduced during the period of this catalog. Amendments are not listed.

For information concerning bills, see (1) Senate calendar, (2) Congressional record index, or (3) Digest of public general bills prepared by the Legislative Reference Service, Library of Congress.

Depository libraries should consult the depository shipping lists for a complete list of the bills and resolutions sent to them by the Superintendent of Documents.

- 14023 S. 2905, 2913-14, 2921, 2923, 2925, 2927-31, 2933-34, 2937, 2946-47, 2949-50, 2955-56, 2958, 2960-61, 2963, 2967-69, 2973, 2977-79, 2981-87, 2990-92, 2995, 2997-3001, 3007-9, 3012-13, S. Con. Res. 89-90, S. Joint Res. 181-183, S. Res. 334-341. 88th Congress. ● Item 1006

\*For Sale by Superintendent of Documents

‡For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

## GOVERNMENT PUBLICATIONS

### *Senate documents*

NOTE.—All Senate documents, entries for which are followed by a †, may be obtained from the Senate Document Room or from the issuing office.

#### Senate documents, 88th Congress.

- 14024 82. Amendments to budget [for 1965] for Department of Agriculture. June 24, 1964. 2 p. † ● Item 996  
14025 83. Amendment to budget [for 1965] and proposed supplemental appropriation [for 1964] for Department of Agriculture. June 24, 1964. 3 p. † ● Item 996  
14026 84. Amendment to budget for Veterans' Administration, fiscal year 1965. June 24, 1964. 2 p. † ● Item 996

### *Senate executive documents*

#### Senate executive documents, 88th Congress, 2d session. †

- Y 1.88/2: (letters)  
14027 C. Supplementary convention of extradition with Belgium, message from President of United States transmitting supplementary convention to extradition convention of Oct. 26, 1901, and supplementary convention of June 20, 1935, between United States and Belgium, which supplementary convention was signed at Brussels on Nov. 14, 1963. June 1, 1964. 4 p.  
14028 D. Consular convention with Russia, message from President of United States transmitting consular convention between United States and Union of Soviet Socialist Republics, together with protocol relating thereto, signed Moscow, June 1, 1964. June 12, 1964. 14 p.  
L.C. card 64-61881

### *Senate executive reports*

#### Senate executive reports, 88th Congress, 2d session. † Y 1.88/2: rp. (nos.)

- 14029 8. Northwest Atlantic fisheries. Report from Committee on Foreign Relations to accompany Ex. B, 88th Cong., 2d sess. June 1, 1964. 3 p.  
14030 9. Tax protocol with Greece. Report from Committee on Foreign Relations to accompany Ex. A., 88th Cong., 2d sess. June 1, 1964. 5 p.

### *Senate reports*

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

#### Senate reports on private bills, 88th Congress. † Senate Document Room, Capitol. ● Item 1008-B

- 14031 1104. Directing Secretary of Interior to sell certain public lands in Arizona. Report from Committee on Interior and Insular Affairs to accompany H.R. 5514. June 24, 1964. 5 p.  
14032 1129. Debra Lynne Sanders. Report from Committee on Judiciary to accompany S. 2673. June 30, 1964. 10 p.  
14033 1130. Linus Han. Report from Committee on Judiciary to accompany S. 2698. June 30, 1964. 9 p.  
14034 1131. Dr. Jorge A. Picaza. Report from Committee on Judiciary to accompany S. 2789. June 30, 1964. 7 p.  
14035 1132. Giuseppe Di Censo. Report from Committee on Judiciary to accompany S. 2205. June 30, 1964. 6 p.  
14036 1135. Mr. and Mrs. Loward D. Sparks. Report from Committee on Judiciary to accompany H.R. 6473. June 30, 1964. 4 p.  
14037 1136. Polly Ann Mutz Kampouris. Report from Committee on Judiciary to accompany S. 2164. June 30, 1964. 5 p.  
14038 1137. Angelina Martino. Report from Committee on Judiciary to accompany S. 2452. June 30, 1964. 8 p.  
14039 1138. Nora Chin-Bing. Report from Committee on Judiciary to accompany S. 2548. June 30, 1964. 6 p.  
14040 1139. Denise Hojebane Barrood. Report from Committee on Judiciary to accompany S. 2599. June 30, 1964. 6 p.  
14041 1141. Pedro Aguinaldo. Report from Committee on Judiciary to accompany H.R. 2737. June 30, 1964. 4 p.  
14042 1142. Jackie Bergancia Smith. Report from Committee on Judiciary to accompany H.R. 5408. June 30, 1964. 5 p.  
14043 1143. Wleslawa Marianna Borezon. Report from Committee on Judiciary to accompany H.R. 5501. June 30, 1964. 4 p.  
14044 1144. Wolfgang Seidl. Report from Committee on Judiciary to accompany H.R. 6385. June 30, 1964. 9 p.  
14045 1145. Keith Hills. Report from Committee on Judiciary to accompany H.R. 10407. June 30, 1964. 6 p.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# AUGUST 1964

- 14046 1168. Mrs. Marjorie Curtis. Report from Committee on Judiciary to accompany H.R. 4811. July 2, 1964. 6 p.
- 14047 1169. Leo M. Mondry. Report from Committee on Judiciary to accompany S. 2334. July 2, 1964. 3 p.

Senate reports on public bills, 88th Congress. † Senate Document Room, Capitol. (No. 1175 is sold by Superintendent of Documents.) ● Item 1008-A

- 14048 1095. Treasury, Post Office, and Executive Office appropriation bill, 1965. Report from Committee on Appropriations to accompany H.R. 10532. June 17, 1964. 25 p.
- 14049 1098. Mass spectrometers, rheogoniometers, and certain stone. Report from Committee on Finance to accompany H.R. 4364. June 22, 1964. 2 p.
- 14050 1099. Kennebec irrigation division extension. Report from Committee on Interior and Insular Affairs to accompany S. 2630. June 23, 1964. 8 p.
- 14051 1100. Amending sec. 502 of Merchant marine act, 1936, relating to construction differential subsidies. Report, together with individual views, from Committee on Commerce to accompany H.R. 10053. June 23, 1964. 11 p.
- 14052 1101. Manson irrigation unit, Wash. Report from Committee on Interior and Insular Affairs to accompany S. 2533. June 23, 1964. 6 p.
- 14053 1102. Military construction authorization for fiscal year 1965. Report from Committee on Armed Services to accompany H.R. 10300. June 24, 1964. 59 p.  
L.C. card 64-62025
- 14054 1103. Addition to Everglades National Park. Report from Committee on Interior and Insular Affairs to accompany S. 2082. June 24, 1964. 4 p.
- 14055 1105. Extension of renegotiation act. Report from Committee on Finance to accompany H.R. 10669. June 24, 1964. 8 p.
- 14056 1106. Public debt limit. Report from Committee on Finance to accompany H.R. 11375. June 24, 1964. 8 p.  
L.C. card 64-62024
- 14057 1107. Excise taxes. Report from Committee on Finance to accompany H.R. 11376. June 24, 1964. 8 p.  
L.C. card 64-61995
- 14058 1108. Temporary extension of insured housing loan program for elderly in rural areas. Report from Committee on Banking and Currency to accompany H.J. Res. 1041. June 25, 1964. 4 p.
- 14059 1109. Extending for 2 years authority for Treasury sale of U.S. obligations directly to Federal Reserve banks. Report from Committee on Banking and Currency to accompany H.R. 11499. June 25, 1964. 7 p.
- 14060 1110. Extension of Defense production act. Report from Committee on Banking and Currency to accompany H.R. 10000. June 25, 1964. 11 p.
- 14061 1111. Nebraska Mid-State division. Report from Committee on Interior and Insular Affairs to accompany S. 388. June 25, 1964. 8 p.
- 14062 1112. Establishment of Fort Union Trading Post National Historic Site, N. Dak. Report from Committee on Interior and Insular Affairs to accompany S. 187. June 25, 1964. 6 p.
- 14063 1113. Waiver of insurance premiums upon becoming disabled prior to age 65. Report from Committee on Finance to accompany H.R. 6777. June 25, 1964. 11 p. ll.
- 14064 1114. Raising age limit to 65 for total disability income provision on NSLI policies. Report from Committee on Finance to accompany H.R. 6920. June 25, 1964. 6 p.
- 14065 1115. Veterans' burial allowances. Report from Committee on Finance to accompany H.R. 3941. June 25, 1964. 4 p.
- 14066 1116. Making continuing appropriations for fiscal year 1965. Report from Committee on Appropriations to accompany H.J. Res. 1056. June 25, 1964. 2 p.
- 14067 1117. Alaska earthquake reconstruction. Report together with individual views from Committee on Interior and Insular Affairs to accompany S. 2881. June 25, 1964. 34 p.  
L.C. card 64-62061
- 14068 1118. Section 512(b) of Internal revenue code. Report from Committee on Finance to accompany H.R. 6455. June 25, 1964. 5 p.
- 14069 1119. Exemption from induction of sole surviving son of family, whose father died as result of military service. Report from Committee on Armed Services to accompany H.R. 2664. June 25, 1964. 5 p.
- 14070 1120. Extending certain civil defense authorities. Report from Committee on Armed Services to accompany H.R. 10314. June 25, 1964. 9 p.
- 14071 1121. Government employees salary reform act of 1964. Report from Committee on Post Office and Civil Service to accompany H.R. 11049. June 26, 1964. 96 p.  
L.C. card 64-62097
- 14072 1122. Crooked River project extension, Oreg. Report from Committee on Interior and Insular Affairs to accompany S. 1186. June 26, 1964. 8 p.
- 14073 1123. Medal of Honor pension. Report from Committee on Finance to accompany H.R. 2434. June 26, 1964. 7 p.

\*For Sale by Superintendent of Documents

‡For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

Page 31

# GOVERNMENT PUBLICATIONS

## Senate reports on public bills—Continued

- 14074 1124. Food stamp act of 1964. Report from Committee on Agriculture and Forestry to accompany H.R. 10222. June 29, 1964. 18 p.  
L.C. card 64-62098
- 14075 1125. Proposed rules 41 and 42 to Standing rules of Senate. Report of Committee on Rules and Administration to accompany S. Res. 337 together with individual views; June 29, 1964. 1964. [1]+14 p.
- 14076 1126. Authorizing reimbursement to owners and tenants of certain lands or interests therein acquired by United States for certain moving expenses, losses, and damages, and for other purposes. Report from Committee on Government Operations to accompany S. 1509. June 29, 1964. 12 p.
- 14077 1127. Providing for construction of Lower Teton division of Teton Basin Federal reclamation project, Idaho. Report together with individual views from Committee on Interior and Insular Affairs to accompany S. 1123. June 29, 1964. 9 p.
- 14078 1128. Amendments to Atomic energy act of 1954, as amended, Atomic energy community act of 1955, as amended, and Euratom cooperation act of 1958, as amended. Report from Joint Committee on Atomic Energy to accompany S. 2963. June 30, 1964. 13 p.
- 14079 1133. Liens in bankruptcy. Report from Committee on Judiciary to accompany H.R. 394. June 30, 1964. 33 p.
- 14080 1134. Limiting priority and nondischargeability of taxes in bankruptcy. Report from Committee on Judiciary to accompany H.R. 3438. June 30, 1964. 18 p.  
L.C. card 64-62045
- 14081 1146. Consent to Pymatuning Lake compact amendment (Ohio-Pennsylvania). Report from Committee on Judiciary to accompany H.J. Res. 950. June 30, 1964. 8 p.
- 14082 1147. Amending rule 25 of Standing rules of Senate relative to jurisdiction of Committee on Rules and Administration. Report from Committee on Rules and Administration to accompany S. Res. 338. July 1, 1964. 2 p.
- 14083 1148. Designating 2d Monday in April as National Teachers' Day. Report from Committee on Judiciary to accompany S.J. Res. 23. July 1, 1964. 2 p.
- 14084 1149. See the United States. Report from Committee on Judiciary to accompany H.J. Res. 658. July 1, 1964. 7 p.
- 14085 1152. Pearl Harbor Day. Report from Committee on Judiciary to accompany H.J. Res. 475. July 1, 1964. 1 p.
- 14086 1153. Battle of Monocacy Centennial. Report from Committee on Judiciary to accompany H.R. 9094. July 1, 1964. 1 p.
- 14087 1156. Residence for Capitol pages. Report from Committee on Public Works to accompany S. 1847. July 1, 1964. 8 p.
- 14088 1157. Survey of Erie River, Tex. Report from Committee on Public Works to accompany H.R. 5478. July 1, 1964. 2 p.
- 14089 1158. Survey of Cedar Bayou, Tex. Report from Committee on Public Works to accompany H.R. 6923. July 1, 1964. 2 p.
- 14090 1159. Permitting State to increase mileage of its Federal-aid primary system when provision is made for completion and maintenance of 75 percent thereof. Report from Committee on Public Works to accompany S. 1282. July 1, 1964. 4 p.
- 14091 1160. Great River Road (Mississippi River Parkway). Report from Committee on Public Works to accompany S. 1593. July 1, 1964. 6 p.  
L.C. card 64-62153
- 14092 1161. District of Columbia, Interstate highway program center leg of innerloop freeway system. Report together with individual views from Committee on Public Works to accompany H.R. 10392. July 1, 1964. 14 p.
- 14093 1162. Federal-aid highway act of 1964. Report from Committee on Public Works to accompany H.R. 10503. [July 1, 1964.] 23 p.  
L.C. card 64-62046
- 14094 1163. Authorizing disposal of molybdenum from national stockpile. Report from Committee on Armed Services to accompany H.R. 11235. July 2, 1964. 5 p.
- 14095 1164. Authorizing disposal of lead from national stockpile. Report from Committee on Armed Services to accompany H.R. 11257. July 2, 1964. 6 p.
- 14096 1165. Authorizing disposal of zinc from national stockpile. Report from Committee on Armed Services to accompany H.R. 11004. July 2, 1964. 6 p.
- 14097 1166. Authorizing disposal of pig tin from national stockpile. Report from Committee on Armed Services to accompany H. Con. Res. 300. July 2, 1964. 3 p.
- 14098 1167. Meat imports, wild birds and wild animals. Report from Committee on Finance to accompany H.R. 1839. July 2, 1964. 11 p.
- 14099 1170. Sarpy County, Nebr. Report from Committee on Judiciary to accompany S. 2339. July 2, 1964. 6 p.
- 14100 1171. Operation of art. 7, NATO status of forces treaty. Report of Committee on Armed Services, made by its Subcommittee on Operation of art. 7 of NATO Status of Forces Agreement, to review for Dec. 1, 1961-Nov. 30, 1962, operation of art. 7 of agreement between parties to North Atlantic Treaty, together with other criminal jurisdictional arrangements throughout the world; July 8, 1964. 1964. iii+15 p. ll.  
L.C. card 60-61696

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

## AUGUST 1964

- 14101 1172. District of Columbia crime. Report together with minority views from Committee on District of Columbia to accompany H.R. 7525. July 8, 1964. 50 p.  
L.C. card 64-62041
- 14102 1173. Attendance at meeting of Commonwealth Parliamentary Association. Report from Committee on Foreign Relations to accompany S. Res. 339. July 8, 1964. 2 p.
- 14103 1174. Enabling Secretary of Agriculture to construct and maintain adequate system of roads and trails for national forests, and for other purposes. Report from Committee on Public Works to accompany S. 1147. July 8, 1964. 17 p.
- 14104 1175. Financial or business interests of officers or employees of Senate. Report of Committee on Rules and Administration pursuant to S. Res. 212, together with minority and supplemental views; July 8, 1964. 1964. iii+107 p. il. \* Paper, 30c.
- 14105 1176. Repealing District of Columbia credit unions act and permitting credit unions presently incorporated under provisions of that act to be chartered under Federal credit union act. Report from Committee on District of Columbia to accompany H.R. 8313. July 9, 1964. 8 p.
- 14106 1177. Amending act affecting size of milk and ice cream containers. Report from Committee on District of Columbia to accompany H.R. 6413. July 9, 1964. 4 p.
- 14107 1178. Promulgating special regulations for Shrine Convention in District of Columbia. Report from Committee on District of Columbia to accompany H.J. Res. 888. July 9, 1964. 3 p.
- 14108 1179. Protecting heads of foreign states and other designated officials. Report from Committee on Foreign Relations to accompany S. 1917. July 9, 1964. 9 p.
- 14109 1180. 14th annual report of Select Committee on Small Business, together with individual views; July 9, 1964. 1964. vi+145 p. 1 pl.
- 14110 1181. Retroceding to Kansas exclusive jurisdiction over certain State highways bordering Fort Leavenworth Military Reservation and U.S. Penitentiary at Leavenworth. Report from Committee on Armed Services to accompany S. 2369. July 9, 1964. 3 p.
- 14111 1182. Adjusting legislative jurisdiction over lands located within vicinity of Fort Devens, Mass. Report from Committee on Armed Services to accompany H.R. 393. July 9, 1964. 4 p.
- 14112 1183. Conveying to city of St. Paul, Minn., all right, title, and interest of United States in and to certain lands heretofore conveyed to such city. Report from Committee on Armed Services to accompany H.R. 4177. July 9, 1964. 5 p.
- 14113 1184. To change designated use of property conveyed by Department of Air Force to Fort Walton Beach, Fla. Report from Committee on Armed Services to accompany H.R. 7248. July 9, 1964. 5 p.
- 14114 1185. Conveyance of land to Oroville, Calif. Report from Committee on Armed Services to accompany H.R. 7499. July 9, 1964. 4 p.
- 14115 1186. Authorizing conveyance of 2 tracts of land situated in Salt Lake City, Utah, for public school purposes. Report from Committee on Armed Services to accompany H.R. 9021. July 9, 1964. 8 p.
- 14116 1187. Adjusting legislative jurisdiction exercised by United States over lands comprising U.S. Naval Hospital, Portsmouth, Va. Report from Committee on Armed Services to accompany H.R. 10736. July 9, 1964. 5 p.
- 14117 1189. Transportation of mobile dwellings of members of uniformed services. Report from Committee on Armed Services to accompany H.R. 8954. July 10, 1964. 6 p.
- 14118 1190. Extending act providing improved opportunity for promotion for certain officers in naval service. Report from Committee on Armed Services to accompany H.R. 10322. July 10, 1964. 12 p.
- 14119 1191. Increasing rates of basic pay for members of uniformed services. Report from Committee on Armed Services to accompany S. 3001. July 15, 1964. 22 p. 5 tab.
- 14120 1218. Economic opportunity act of 1964. Report together with minority and individual views from Committee on Labor and Public Welfare to accompany S. 2642. July 21, 1964. 133 p.  
L.C. card 64-62100

### *Aging, Special Committee on, Senate*

- 14121 Blue Cross and other private health insurance for the elderly, hearings before Subcommittee on Health of the Elderly, 88th Congress, 2d session.  
● Item 1009  
L.C. card 64-62017 Y 4.Ag 4 : B 62/pt. (nos.)  
pt. 1. Apr. 27, 1964. 1964. iii+1-59 p. \* Paper, 20c.  
pt. 2. Apr. 28, 1964. 1964. iii+61-178 p. \* Paper, 35c.

\*For Sale by Superintendent of Documents  
 ☞For Sale by OTS, Commerce Dept.  
 ●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
 Unless Otherwise Indicated



# GOVERNMENT PUBLICATIONS

- 14122 Health frauds and quackery, hearings before Subcommittee on Frauds and Misrepresentations Affecting the Elderly, 88th Congress, 2d session.  
● Item 1009  
L.C. card 64-62016 Y 4.Ag 4: H 34/7/pt.1  
pt. 1. San Francisco, Calif., Jan. 13, 1964. 1964. iv+1-162c p. il. \* Paper, 45c.
- 14123 Housing problems of the elderly, hearings before Subcommittee on Housing for the elderly, 88th Congress, 2d session. ● Item 1009  
L.C. card 64-60751 Y 4.Ag 4: H 81/964/pt.3  
pt. 3. San Francisco, Calif., Jan. 11, 1964. 1964. iii+123-192 p. \* Paper, 25c.
- Agriculture and Forestry Committee, Senate*
- 14124 Food stamp act of 1964, hearings, 88th Congress, 2d session, on H.R. 10222, June 18 and 19, 1964. 1964. iii+89 p. † ● Item 1032  
L.C. card 64-61873 Y 4.Ag 8/2: F 73/18
- Appropriations Committee, Senate*
- 14125 Department of Defense appropriations, 1965, hearings, 88th Congress, 2d session, on H.R. 10939. †  
L.C. card 60-61493 Y 4.Ap 6/2: D 36/4/965/pt.1-2  
pt. 1. Hearings before Subcommittee on Department of Defense of Committee on Appropriations and Committee on Armed Services, procurement programs requiring annual authorization, research, development, test, and evaluation programs. 1964. ii+898+xxxiii p. il. ● Item 1033 and 1034  
pt. 2. Hearings before subcommittee of Committee on Appropriations. 1964. ii+866+xiv p. il. 2 tab. ● Item 1033
- Armed Services Committee, Senate*
- 14126 Department of Defense appropriations, 1965, hearings. See Appropriations Committee, Senate.
- 14127 Nominations of Secretaries Horwitz, Luevano, Morse, and Marks and continuing civil defense authorities, hearing, 88th Congress, 2d session, on nominations, Solis Horwitz, of Pennsylvania, to be Assistant Secretary of Defense, Daniel M. Luevano, of California, to be Assistant Secretary of Army, Robert Warren Morse, of Rhode Island, to be Assistant Secretary of Navy, Leonard Marks, jr., of California, to be Assistant Secretary of Air Force; H.R. 10314, extending expiration date of certain civil defense authorities, June 25, 1964. 1964. iii+37 p. il. † ● Item 1034  
L.C. card 64-62103 Y 4.Ar 5/3: H 78/3
- Banking and Currency Committee, Senate*
- 14128 Defense production act amendments, 1964, hearing, 88th Congress, 2d session, on H.R. 10000, June 24, 1964. 1964. iii+30 p. † ● Item 1035  
L.C. card 64-61928 Y 4.B 22/3: D 36/3/964
- 14129 Housing and community development act of 1964, questions and answers on provisions of S. 2468, Subcommittee on Housing; Mar. 1964. 1964. ii+37 p. (Committee print, 88th Congress, 2d session.) †  
L.C. card 64-62125 Y 4.B 22/3: H 81/52
- 14130 Nomination of Hamer H. Budge, hearing, 88th Congress, 2d session, on nomination of Hamer H. Budge to be member of Securities and Exchange Commission, June 24, 1964. 1964. ii+15 p. † ● Item 1035  
L.C. card 64-61875 Y 4.B 22/3: B 85
- 14131 Section-by-section analysis of Housing act of 1964 as recommended by Subcommittee on Housing; July 1964. 1964. ii+7 p. (Committee print, 88th Congress, 2d session.) †  
L.C. card 64-62075 Y 4.B 22/3: H 81/43/964

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

AUGUST 1964

*Commerce Committee, Senate*

[Committee hearing] serial, 88th Congress. † ● Item 1041

- 14132 53. Nomination of LeRoy Collins, hearing, 88th Congress, 2d session, on nomination of LeRoy Collins, of Florida, to be director of Community Relations Service for term of 4 years, July 7, 1964. 1964. iii+56 p.  
L.C. card 64-62038 Y 4.C 73/2: 88/53

*Finance Committee, Senate*

- 14133 Debt limit, hearing, 88th Congress, 2d session, on H.R. 11375, June 23, 1964. 1964. iii+48 p. † ● Item 1038  
L.C. card 64-61874 Y 4.F 49: D 35/5/964
- 14134 Interest equalization tax act, hearings, 88th Congress, 2d session, on H.R. 8000, June 29-July 2, 1964. 1964. v+359 p. \* Paper, 65c. ● Item 1038  
L.C. card 64-62039 Y 4.F 49: In 8
- 14135 Meat imports, hearings, 88th Congress, 2d session, on amendments 465 and 467, to restrict imports of beef, veal, lamb, and mutton into United States. † ● Item 1038  
L.C. card 64-61461 Y 4.F 49: M 46/pt.2  
pt. 2. Mar. 31-June 17, 1964. 1964. vii+375-604 p. il.

*Foreign Relations Committee, Senate*

- 14136 Foreign assistance 1964, hearings, 88th Congress, 2d session, on S. 2659, S. 2660, S. 2662, H.R. 11380, Mar. 31-June 23, 1964. 1964. vi+628 p. il.  
† ● Item 1039  
L.C. card 64-62020 Y 4.F 76/2: F 76/13/964
- 14137 Mexico-United States Interparliamentary Group, report of Senate delegation on 4th meeting, held at Washington, D.C., Mar. 1964, by John Sparkman, chairman; June 11, 1964. 1964. v+18 p. (Committee print, 88th Congress, 2d session.) ‡  
L.C. card 61-60924 Y 4.F 76/2: M 57/8/964

*Government Operations Committee, Senate*

- 14138 Administration of national security, American ambassador, study submitted by Subcommittee on National Security Staffing and Operations (pursuant to S. Res. 279, 88th Cong.). 1964. v+16 p. (Committee print, 88th Congress, 2d session.) ‡  
L.C. card 64-62076 Y 4.G 74/6: N 21 se/17
- 14139 Impact of Federal urban development programs on local government organization and planning [with lists of documentation] prepared in cooperation with Subcommittee on Intergovernmental Relations by Advisory Commission on Intergovernmental Relations; May 30, 1964. 1964. xiii+198 p. ([Commission report A-20]; Committee print, 88th Congress, 2d session.) ‡  
L.C. card 64-62142 Y 4.G 74/6: Ur 1/2

*Interior and Insular Affairs Committee, Senate*

- 14140 Alaska reconstruction, hearing, 88th Congress, 2d session, on S. 2881, June 3, 1964. 1964. iii+63 p. † ● Item 1040  
L.C. card 64-61876 Y 4.In 8/13: A1 1/20
- 14141 Big Horn Canyon, hearing before Subcommittee on Public Lands, 88th Congress, 2d session, on S. 2048, May 29, 1964. 1964. iv+37 p. il. †  
● Item 1040  
L.C. card 64-62101 Y 4.In 8/13: B 48

\*For Sale by Superintendent of Documents

‡For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

Page 35

# GOVERNMENT PUBLICATIONS

- 14142 Central Arizona project, hearings before Subcommittee on Irrigation and Reclamation, 88th Congress, 2d session, on S. 1658, and discussion of Pacific Southwest water plan. † ● Item 1040  
L.C. card 63-65374 Y 4.In 8/13: Ar 4i/pt.2  
pt. 2. Apr. 9-23, 1964. 1964. vi+271-757 p. il.
- 14143 Fort Bowie, Ariz., hearing before Subcommittee on Public Lands, 88th Congress, 2d session, on S. 91, May 29, 1964. 1964. iv+13 p. il. † ● Item 1040  
L.C. card 64-61929 Y 4.In 8/13: F 77b
- 14144 Graff House site, hearing before Subcommittee on Public Lands, 88th Congress, 2d session, on S. 605, May 29, 1964. 1964. iii+37 p. il. map † ● Item 1040  
Y 4.In 8/13: G 75
- 14145 Phosphate leases, hearing before Subcommittee on Minerals, Materials, and Fuels, 88th Congress, 2d session, on S. 2500, May 20, 1964. 1964. iii+24 p. † ● Item 1040  
L.C. card 64-61931 Y 4.In 8/13: P 56/3
- 14146 Weather modification, hearing before Subcommittee on Irrigation and Reclamation, 88th Congress, 2d session, on program for increasing precipitation in Colorado River basin by artificial means, May 21, 1964. 1964. iii+41 p. † ● Item 1040  
L.C. card 64-61930 Y 4.In 8/13: W 37/2

## Judiciary Committee, Senate

- 14147 Patent Office fees, hearings before Subcommittee on Patents, Trademarks, and Copyrights, 88th Congress, 2d session, pursuant to S. Res. 270 on S. 2547 and H.R. 8190, Feb. 27 and 28, 1964. 1964. iv+323 p. \* Paper, 75c. ● Item 1042  
Y 4.J 89/2: P 27/25/964
- 14148 Presidential inability and vacancies in office of Vice President, hearings before Subcommittee on Constitutional Amendments, 88th Congress, 2d session, on S. J. Res. 13 [and other bills], Jan. 22-Mar. 5, 1964. 1964. iv+272 p. † ● Item 1042  
L.C. card 64-62018 Y 4.J 89/2: P 92/10
- 14149 Price discrimination legislation, hearings before Subcommittee on Antitrust and Monopoly, 88th Congress, 2d session, pursuant to S. Res. 262 on S. 1815 and S. 1935, Feb. 19-Mar. 19, 1964. 1964. iii+199 p. il. \* Paper, 55c. ● Item 1042  
L.C. card 64-61872 Y 4.J 89/2: P 93/3/964
- 14150 Professional boxing, hearings before Subcommittee on Antitrust and Monopoly, 88th Congress, 2d session, pursuant to S. Res. 262 on S. 1182. † ● Item 1042  
Y 4.J 89/2: B 69/3/pt.4  
pt. 4. Liston-Clay fight, Mar. 24-31, 1964. 1964. iv+1597-1847 p.

## Labor and Public Welfare Committee, Senate

- 14151 College student aid legislation, hearings before Subcommittee on Education, 88th Congress, 2d session, on S. 2490 and title 1 of S. 580. † ● Item 1043  
L.C. card 64-61871 Y 4.L 11/2: C 68/pt.1,2  
pt. 1. Feb. 20 and Mar. 10, 1964. 1964. xi+1-488 p. il.  
pt. 2. Mar. 11-Apr. 15, 1964. 1964. xi+489-827 p. il.
- 14152 Economic opportunity act of 1964, hearings before Select Committee on Poverty, 88th Congress, 2d session, on S. 2642, June 17-25, 1964. 1964. v+357 p. † ● Item 1043  
L.C. card 64-62099 Y 4.L 11/2: Ec 7

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



## AUGUST 1964

- 14153 Hospitals and medical facilities, hearing before Subcommittee on Health, 88th Congress, 2d session, on H.R. 10041, S. 2531, and S. 894, July 8, 1964. 1964. iv+189 p. † ● Item 1043  
L.C. card 64-62026 Y 4.L 11/2: H 79/2
- 14154 Medal of Honor awards, 1863-1963, hearing before Subcommittee on Veterans' Affairs, 88th Congress, 1st session, on S. 1046, Oct. 9, 1963. 1964. iii+11 p. † ● Item 1043  
L.C. card 64-61784 Y 4.L 11/2: M 46/0
- 14155 Miscellaneous veterans bills, hearing before Subcommittee on Veterans' Affairs, 88th Congress, 2d session, on S. 2636, H.R. 8611, H.R. 8677, and H.R. 7751, May 28, 1964. 1964. iv+78 p. il. † ● Item 1043  
L.C. card 64-61927 Y 4.L 11/2: V 64/17/964

### Rules and Administration Committee, Senate

- 14156 Financial or business interests of officers or employees of Senate, hearings, 88th Congress, 1st and 2d session, pursuant to S. Res. 212 and S. Res. 291 on S. Con. Res. 5 and S. 1261. † ● Item 1046  
L.C. card 64-60457 Y 4.R 86/2: F 49/pt. (nos.)
- pt. 22. Testimony of Senator Jacob K. Javits, Senator Kenneth B. Keating, Senator Clifford P. Case, Senator Maurine B. Neuberger, and Senator Philip A. Hart, May 26, 1964. 1964. iv+1901-97 p.
- pt. 24. Mar. 13, 1964. 1964. ii+2045-2094 p.
- pt. 25. Mar. 23, 1964. 1964. ii+2095-2188 p.
- pt. 26. Mar. 24, 1964. 1964. ii+2189-2241 p.

### COPYRIGHT OFFICE, Library of Congress

- 14157 66th annual report of register of copyrights, fiscal year 1963. 1964. iv+21 p. il. large 8" [Reprinted from Annual report of Librarian of Congress, fiscal year 1963.] †  
L.C. card 10-35017 LC 3.1: 963
- Catalog of copyright entries, 3d series, v. 17.
- 14158 pts. 12-13. Motion pictures and filmstrips, no. 2; July-Dec. 1963. 1964. vii+75-137 p. 4° \* Paper, \$1.00 a yr., 25c. additional for foreign mailing; single copy, 50c. ● Item 800  
L.C. card 6-35347 LC 3.6/5: v.17/pt.12-13/no.2

### CUSTOMS COURT

- 14159 100th set revised pages to Customs regulations; Mar.-Apr. 1964. 1964. [61] p. 4° [Includes amendments made by Treasury decisions 56119-151 and complete Index to Customs regulations, revised to Jan. 1, 1964. Issued in loose-leaf form.] \* Paper, \$8.00 (including basic regulations and revised pages for 1 yr.); \$2.00 additional for foreign mailing.  
● Item 948-A T 17.9: 962/rev. pages 100

### DEFENSE DEPARTMENT

- 14160 Equal employment opportunity in Defense Supply Agency. [June 1964.] cover title, [1]+ii+15+[27] p. il. 4° † ● Item 314-A D 7.2: Em 7  
Federal supply catalog, Department of Defense section. [Issued with perforations.] † ● Item 314-B
- 14161 C9100-ML-CN-2. Management data list: Change notice 2, FSC group 91, Fuels, lubricants, oils and waxes. July 1, 1964. [2]+4 p. 4° (Defense Fuel Supply Center.) D 7.9: C 9100-ML/ch.2  
Military handbook MIL-HDBK (series). ● Item 314-A D 7.6/2: (nos.)
- 14162 5. Metallic materials and elements for flight vehicular structures, Change notice 2 [with list of references]. Nov. 1, 1963 [published 1964]. [90] p. il. 4° (FSC 1500.) [Issued in loose-leaf form.] \* Paper, 50c.
- 14163 17, pt. 1. Plastics for flight vehicles: pt. 1. Reinforced plastics, change notice 1 [with lists of references]. May 1, 1964. [98] p. il. 4° [Issued in loose-leaf form.] \* Paper, 55c.

\*For Sale by Superintendent of Documents

☛For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

Page 37

# GOVERNMENT PUBLICATIONS

Military standard. [Issued in loose-leaf form]

- 14164 MIL-STD-726A. Packaging requirements code, Change notice 3. Dec. 31, 1963. [24] p. 4° \* Paper, \$1.25 (including basic book and supplementary material issued irregularly for an indefinite period); 50c. additional for foreign mailing. D 7.10: 726A/ch.3

## DEFENSE DOCUMENTATION CENTER, Defense Dept.

NOTE.—The Defense Documentation Center for Scientific and Technical Information (DDC) was chartered and began operation in June 1963. It assumed the functions of the Armed Services Technical Information Agency and additional functions resulting in an expanded service to the Defense research and development community.

- 14165 DDC supplement to Thesaurus of ASTIA descriptors, 2d edition. Apr. 1964. cover title, [1]+74 p. 4° †  
L.C. card 63-60401 D 10.2: D 45/962/supp.
- 14166 Handbooks, report bibliography; [compiled by Elizabeth H. Hall]. Nov. 1962. v+124 p. 4° (Armed Services Technical Information Agency.) [Listing of handbooks, instruction manuals, textbooks, dictionaries, and encyclopedias cataloged by ASTIA, 1952-Nov. 1962.] † Paper, \$3.00 (AD 292750).  
L.C. card 63-61443 D 10.9: H 19
- 14167 Laboratory-industrial cleaning techniques and materials; compiled by Thomas C. Goodwin and Owen D. Nichols. Aug. 1963. ii-iv+87 p. 4° † Paper, \$2.25 (AD-409323).  
L.C. card 64-60337 D 10.9: C 58

## ECONOMIC RESEARCH SERVICE, Agriculture Dept.

ERS (series). † A 93.21: (nos.)

- 14168 164. Farm vacation enterprises in Ohio [with list of additional sources of information by Jeanne M. Davis.] [May 1964.] iv+35 p. il. 4° (Resource Development Economics Division.) [Supersedes ERS-113, May 1963.]  
L.C. card Agr 64-290
- 14169 168. Reclaiming and marketing cotton gin notes; [by Shelby H. Holder, jr., and Zelon M. Looney]. [May 1964.] ii+14 p. il. 4° (Marketing Economics Division.)  
L.C. card Agr 64-291
- 14170 171. Great Lakes tart cherry industry. production costs; [by C. C. Dennis, B. A. Dominick, and B. W. Kelly]. [May 1964.] 24 p. [Prepared in cooperation with New York, Pennsylvania, and Michigan Agricultural Experiment Stations.]  
L.C. card Agr 64-301
- 14171 180. Retail sales of broilers and meat as affected by price, display area, and newspaper advertising; [by Sidney E. Brown]. [May 1964.] 12 p. 4° (Marketing Economics Division.)  
L.C. card Agr 64-329

ERS-foreign (series). †

- 14172 43. Supplement to Statistics on European Economic Community, v. 1. Agricultural trade and finance. [1964.] 77 p. 4° (Development and Trade Analysis Division.) [Includes Correction notice 1, Feb. 1963, and Correction notice 2, 1964.] ● Item 76-G  
L.C. card 64-62127 A 93.21/2: 43/supp.

Foreign agricultural economic reports. ● Item 42-B A 93.27: (nos.)

- 14173 13. Soviet agriculture today, report of 1963 Agriculture Exchange Delegation. [Slightly revised June 1964.] [1964.] cover title, [2]+82 p. il. 4° [Text on p. 2 of cover.] \* Paper, 45c.
- 14174 16. Trends and developments in Japan's economy affecting market for U.S. farm products, 1950-62 [with selected references; by Hughes H. Spurlock]. [May 1964.] cover title, viii+79 p. il. (Regional Analysis Division.) †
- 14175 Foreign gold & exchange reserves, current situation and long-term trends; by O. Halbert Goolsby. May 1964. 15 p. il. 4° (International Monetary Branch, Development and Trade Analysis Division.) [Issued semi-annually. Continues series formerly entitled Foreign gold and dollar reserves.] †  
A 93.34: 964

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# AUGUST 1964

- 14176 U.S. foreign agricultural trade by commodities, calendar year 1963. June 1964. [2]+41 p. 4° [Supplement to Foreign agricultural trade of United States.] † ● Item 42-E  
L.C. card 63-61826 A 93.17/8: 963

## EDUCATION OFFICE, Health, Education, and Welfare Dept.

- 14177 Beginning teacher one year later, report of followup study; [by] J. Scott Hunter. [1964.] vi+50 p. 4° ([OE-23034.]) †  
L.C. card HEW 64-83 FS 5.223: 23034
- 14178 Classroom facilities planning aids [with bibliography]; by E. Eugene Higgins, Mary B. Fuller, and Linda L. Wright. Mar. 1964. 16 p. 4° (OE-51004-7A; Division of Higher Education, College and university physical facilities series.) [Issued with perforations.] † FS 5.251: 51004-7A
- 14179 Clearinghouse Exchange of publications of State departments of education [secondary education personnel]. June 1964. 9 p. 4° †  
L.C. card HEW 63-122 FS 5.10/6: 964
- 14180 CRP cooperative research projects, 7-year summary, July 1, 1956-June 30, 1963. [1964.] iv+75 p. 4° (OE-12018; Circular 736.) \* Paper, 45c.  
● Item 460-A-12  
L.C. card HEW 64-81 FS 5.212: 12018
- 14181 Earned degrees by field of study and level projected to 1975; by Marie G. Fullam and Frances E. Ryan. [1964.] vi+32 p. (OE-54031; Bulletin 1964, no. 31.) [Text on p. 2 of cover.] \* Paper, 20c. ● Item 460-A-54  
L.C. card HEW 64-86 FS 5.254: 54031
- 14182 Educational data: Algeria [with list of selected references]; compiled by Anne N. Forrester in collaboration with Charles C. Hauch. Mar. 1964. 13+[1] p. 4° (OE-14034-74; Information on education around the world, no. 74, Division of International Studies and Services.) \* Paper, 15c. ● Item 460-A-14  
FS 5.214: 14034-74
- 14183 Educational Materials Laboratory report, v. 6, no. 1, Near East and north Africa; [compiled by Lois B. Watt and Alice M. Murdock]. Mar. 20, 1964. [6] p. 4° (OE-14031-29; International Studies and Services.) †  
L.C. card 64-62139 FS 5.214: 14031-29
- 14184 Financing graduate education [with bibliography]; by Richard C. McKee. [1964.] [2]+17 p. narrow 8° (OE-55036.) \* Paper, 15c. ● Item 460-A-55  
FS 5.255: 55036
- 14185 Financing higher education; by Louis A. D'Amico, Leslie F. Robbins, and W. Robert Bokelman. Mar. 1964. 18 p. il. 4° (OE-52004-7; Division of Higher Education, College and university finance series.) [Issued with perforations.] †  
FS 5.252: 52004-7
- 14186 Guide to research and informed judgment on grouping children [with list of selected references]. May 1964. 39 p. 4° (OE-20066, Education briefs, no. 40; Division of Elementary and Secondary Education, Instructional Programs Branch.) †  
L.C. card 64-62130 FS 5.220: 20066
- 14187 Higher education in Poland: pt. 2, Rules of admissions, student activities, and curriculums [with selected references; by] Seymour M. Rosen and Nellie Apanasewicz. [1964.] viii+81 p. il. (OE-14099; Bulletin 1964, no. 22, [Studies in comparative education].) \* Paper, 40c. ● Item 460-A-14  
L.C. card HEW 63-42 FS 5.214: 14099
- 14188 Highway engineering aide, suggested training program [with some suggested texts and references]. [1964.] v+40 p. il. 4° (OE-87009; Manpower Development and Training Program.) \* Paper, 35c.  
● Item 460-A-87 FS 5.287: 87009

\*For Sale by Superintendent of Documents  
 ☿For Sale by OTS, Commerce Dept.  
 ●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
 Unless Otherwise Indicated



# GOVERNMENT PUBLICATIONS

- 14189 Language laboratory, how effective is it? [by Joseph C. Hutchinson]. [1964.] 24 p. il. oblong 32° (OE-27021.) \* Paper, 15c. ● Item 460-A-27 FS 5.227 : 27021
- 14190 Library research in progress, no. 12; [Sarah R. Reed, editor, Margaret E. Dunleavy, assistant to editor]. Apr. 1964. 26 p. 4° (OE-15005-12; Library Services Branch.) † L.C. card HEW 62-67 FS 5.215 : 15005-12
- 14191 National defense counseling and guidance training institutes program, policies and procedures, NDEA title 5(B) : no. 1, manual for participating institutions. 3d revision. June 1964. cover title, 42 p. 4° (OE-25001C.) † ● Item 460-A-25 FS 5.225 : 25001C L.C. card HEW 64-88 FS 5.225 : 25001C
- 14192 Public elementary school approval and accreditation; by Stuart E. Dean. July 1964. 15 p. 4° (OE-23037, Education briefs no. 2; Division of Elementary and Secondary Education, Instructional Programs Branch, Elementary Schools Section.) † FS 5.223 : 23037
- 14193 Publications related to elementary education. Revised May 1964. [1964.] 9 p. 4° (OE-20067; Selected references, no. 2; Division of Elementary and Secondary Education, Instructional Programs Branch, Elementary Schools Section.) † L.C. card E 39-283 FS 5.220 : 20067
- 14194 Research on programed instruction, annotated bibliography; by Wilbur Schramm, Institute for Communication Research, Stanford University. [1964.] v+114 p. (OE-34034; Bulletin 1964, no. 35.) [Text on p. 2 of cover.] \* Paper, 50c. ● Item 460-A-34 L.C. card HEW 64-80 FS 5.234 : 34034
- 14195 Salaries and student charges in land-grant colleges and State universities, 1963-64; by W. Robert Bokelman, Anna Jane Holbrook, and Estelle B. Aubrey. Apr. 1964. 9 p. 4° (OE-52004-13; Division of Higher Education, College and university finance series.) [Issued with perforations.] † L.C. card HEW 62-100 FS 5.252 : 52004-13
- 14196 Science facilities planning aids [with bibliography]; by E. Eugene Higgins, Mary B. Fuller, and Linda L. Wright. Mar. 1964. 16 p. 4° (OE-51004-2A; Division of Higher Education, College and university physical facilities series.) [Issued with perforations.] † FS 5.251 : 51004-2A
- 14197 Selected references, Education briefs, and other materials related to elementary education. Revised May 1964. [1964.] 8 p. 4° (OE-20068; Selected references 8, Division of Elementary and Secondary Education, Instructional Programs Branch, Elementary School Section.) † FS 5.220 : 20068
- 14198 Summary of offerings and enrollments in high school subjects, 1960-61, preliminary report; [by] Grace S. Wright. June 1964. 14 p. 4° (OE-24010.) † ● Item 460-A-24 FS 5.224 : 24010
- 14199 Teaching about United Nations in United States, Jan. 1, 1960-Dec. 31, 1963 [with lists of materials]. [1964.] vi+110 p. il. (OE-14038-63; Bulletin 1964, no. 25.) [Report of United States to United Nations Economic and Social Council in compliance with ECOSOC resolution 748 (29.) \* Paper, 50c. ● Item 460-A-14 L.C. card E 56-141 FS 5.214 : 14038-63

## EMPLOYMENT SECURITY BUREAU, Labor Dept.

- 14200 Merchandising your job talents. [1964.] cover title, [20] p. il. ([United States Employment Service.]) † ● Item 756-B L 7.25/3 : J 57

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C., Unless Otherwise Indicated

ENGINEERS CORPS (Army), Defense Dept.

NOTE.—Orders or requests for publications of the Engineers Corps, other than those sold by the Superintendent of Documents or by officers of the Engineers Corps in other cities, should be addressed to Chief of Engineers, U.S. Army, Washington 25, D.C., Attention Publications Office.

Army Engineer Research and Development Laboratories: Technical report TR (series).

- 14201 1757. Plastic fibrous reinforcement for portland cement; prepared by S. Goldfein. Oct. 29, 1963. iv+16 p. il. 4° (Task 1D024401A11402 (formerly 8S93-31-001-02).) Φ Paper, 75c. (AD 427342). D 103.25/2: 1757

Cold Regions Research & Engineering Laboratory: Research reports.

D 103.33/3: (nos.)

- 14202 110. Reflection and transmission coefficients at interface ice-solid; by Hans Roethlisberger. May 1964. [2]+iv+17+[2] p. il. 4° †  
14203 113. Structural control of vertical variation of strength of sea and salt ice [with list of references]; by W. F. Weeks and A. Assur. Apr. 1964. [2]+iv+16+[2] p. il. 4° ([Department of Army Task 8X-27-001-03.]) †

Engineer manual EM (series). ● Item 338-A D 103.6/3: (nos.)

- 14204 1110-1-306. [Engineering and design: Pavement design for frost conditions], Change 2: June 15, 1964. [1964.] [10] p. il. 4° [Issued in loose-leaf form.] †  
14205 1110-2-2502. [Same: Retaining walls, May 29, 1961], Change 2: May 5, 1964. [1964.] [5] p. 4° [Issued in loose-leaf form.] †  
14206 1110-345-348. Same: Ammunition loading terminals. May 15, 1964. cover title, 18 p. il. 4° [Issued in loose-leaf form. Rescinds EM 1110-345-348, Apr. 25, 1960.] †

Ohio River Division Laboratories: Technical reports. (Army Engineer Division, Ohio River.) † D 103.38: (nos.)

- 14207 2-29. Protective coatings for concrete [with list of references and bibliography]; by W. L. Dolch. Sept. 1963. [3]+ii+52 leaves, 4°  
14208 2-30. Protection of reinforcing steel [with bibliography]; by L. E. Wood. Sept. 1963. [6]+36 leaves, 4°

- 14209 Saline River and tributaries, Ill., letter from chief of engineers, Army, submitting report in response to item in Flood control act; June 17, 1964. 1964. vi+3 p. 4° [Also issued as H. doc. 311, 88th Cong., 2d sess.] †  
● Item 334-A D 103.22: Sa 3/964

Transportation series. ● Item 343

- 14210 3. Transportation lines on Great Lakes system, 1964; prepared by Board of Engineers for Rivers and Harbors. 1964. xi+86 p. oblong 8° \* Paper, 60c. L.C. card 36-26222 D 103.10: 3/964

Waterways Experiment Station.

NOTE.—Unless otherwise indicated, publications of Waterways Experiment Station may be ordered from Corps of Engineers, U.S. Army, Waterways Experiment Station, Vicksburg, Miss. (Price upon application).

— Technical memorandum.

- 14211 3-331. Forecasting trafficability of soils: report 7, Pilot study of soils subjected to freezing and thawing [with bibliography]; prepared by S. J. Knight and N. H. Smith. Army-MRC Vicksburg, Miss., June 1964. [2] leaves+vi+35+[43] p. il. 4° (Army Materiel Command, project 1-T-0-21701-A-046.) L.C. card 64-62154 D 103.24/2: 3-331/rp.7

— Technical reports.

D 103.24/2: (nos.)

- 14212 2-650. Stability of riprap and discharge characteristics, overflow embankments, Arkansas River, Ark., hydraulic model investigation; [prepared by N. J. Brogdon and J. L. Grace, jr.]. Army-MRC Vicksburg, Miss., June 1964. [4]+vi+19+[23] p. il. 48 pl. 4°  
14213 2-651. Operating forces on miter-type lock gates; [prepared by J. L. Grace, jr., T. E. Murphy, and F. R. Brown]. Army-MRS Vicksburg, Miss., June 1964. [4]+viii+[129] p. il. 4° L.C. card 64-62135  
14214 6-613. rp. 2. Evaluation of aluminum-coated wires as reinforcement for articulated concrete mattresses, supplementary comparative tests of stainless and copper-clad steel wires; [prepared by Leonard Pepper]. Army-MRC Vicksburg, Miss., May 1964. [5]+viii+13+[9] p. il. 4° [Conducted for President, Mississippi River Commission by lower Mississippi Valley Division, Materials and Concrete Laboratory.]

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C., Unless Otherwise Indicated

# GOVERNMENT PUBLICATIONS

## FAMILY SERVICES BUREAU, Health, Education, and Welfare Dept.

- 14215 Money payments to recipients of special types of public assistance, Oct. 1963; prepared by Trends and Interprogram Analysis Group, Division of Program Statistics and Analysis. May 1964. [16] p. 4° [Issued with perforations.] †  
FS 14.202: P 96/4/963
- [Public assistance information] PAI (series).
- 14216 2. Aid to the disabled: To help needy disabled to live with decency, self-respect, and independence. [1964.] [2] p. 11. large 4°, folded into narrow 8° size.  
\* Paper, 10c. ● Item 519  
FS 14.213/2: 2
- 14217 Reasons for opening and closing public assistance cases, July-Dec. 1963. June 1964. [12] p. 4° (Division of Program Statistics and Analysis.) [Issued with perforations.] †  
L.C. card HEW 62-39  
FS 14.214: 963-2
- 14218 Source of funds expended for public assistance payments, calendar year ended Dec. 31, 1963. May 6, 1964. [12] p. 4° (Division of Program Statistics and Analysis.) [Issued with perforations.] †  
L.C. card HEW 64-85  
FS 14.215: 963
- 14219 What is your job in war disaster; by Frank M. Parcher, Emergency Welfare Services planning officer. [1964.] 22 p. 4° [Address to be delivered to American Dietetic Association 47th annual meeting, Portland, Oreg., July 27-31, 1964.] †  
FS 14.216: P 21

## FARMER COOPERATIVE SERVICE, Agriculture Dept.

### Information (series). ● Item 65-B

- 14220 4. List of publications; [compiled by Catherine E. Hardy]. [Revised July 1964.] [1964.] cover title, 11+122 p. †  
L.C. card 56-60089  
A 89.15: 4/5

## FEDERAL AVIATION AGENCY

- 14221 Atlanta Terminal, ARTS advance radar traffic control system, facility training manual [with list of applicable documents]. 1st edition, Apr. 1964. [1964.] cover title, xvi+201+17+3 p. 31 pl. 4° [Issued with perforations.] † ● Item 431-C-4  
L.C. card 64-61918  
FAA 1.8: R 11/5
- Civil air regulations amendments. C 31.209: (nos.)
- 14222 4b-15. Airplane airworthiness, transport categories; 40-48, Scheduled interstate air carrier certification and operation rules; 41-13, Certification and operation rules for certificated route air carriers engaging in overseas and foreign air transportation and air transportation within Hawaii and Alaska; 42-12, Aircraft certification and operation rules for supplemental air carriers, commercial operators using large aircraft, and certificated route air carriers engaging in charter flights or other special services; 91. General operating and flight rules (new); 514, Technical standard orders for aircraft materials, parts, processes, and appliances; Installation of cockpit voice recorders in large airplanes used by air carrier or commercial operator; effective Sept. 2, 1964. June 26, 1964. 5 p. 4° [Also contains amendment 91-4 to pt. 91 of Federal aviation regulations and TSO-C84. Published in Federal register, July 3, 1964. Issued with perforations.] †
- 14223 40-48. See, above, 4b-15.
- 14224 41-13. See, above, 4b-15.
- 14225 42-12. See, above, 4b-15.
- FAA handbook. [Issued in loose-leaf form.] ● Item 431-C-4
- 14226 SMP 6320.2. Maintenance of precision approach radar (PAR) facilities [with list of references.]. May 8, 1964. cover title, [1]+v+99 p. 11. 4° †  
FAA 1.8/2: SM P 6320.2

### Federal aviation regulations. [Issued in loose-leaf form.]

- 14227 pt. 1. Definitions and abbreviations, Change 4, [effective] July 6, 1964. [1964.] [4]+4 p. 4° †  
FAA 1.6/8: (nos.)

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



## AUGUST 1964

- 14228 pt. 43. Maintenance, preventive maintenance, rebuilding, and alteration, [adopted Apr. 15, 1964; effective July 6, 1964.] [1964.] cover title, [20] p. 4° \* Paper, 20c. ● Item 431-C-13
- 14229 pt. 93. Special air traffic rules and airport traffic patterns, Change 4; [effective] Apr. 21, 1964. [1964.] [6] p. 4° †
- 14230 pt. 145. Repair stations, Change 2 [effective] July 6, 1964. [1964.] [6] p. 4° †
- 14231 [This entry number not used.]

### FEDERAL BUREAU OF INVESTIGATION, Justice Dept.

- 14232 Uniform crime reports for United States, printed annually, 1963. [1964.] ix+170 p. il. [Advisory, Committee on Uniform Crime Records, International Association of Chiefs of Police. Title on cover is: Crime in United States, uniform crime reports, 1963.] † ● Item 722  
L.C. card 30-27005 J 1.14/7 : 963

### FEDERAL COMMUNICATIONS COMMISSION

- 14233 Television, divided or united, some problems in television growth, address by Frederick W. Ford, Commissioner, Federal Communications Commission, before 13th annual convention of National Community Television Association, Philadelphia, Pa., June 18, 1964. [1964.] 15 p. 4° (53017.) † CC 1.15 : F 75/10

### FEDERAL CREDIT UNIONS BUREAU, Health, Education, and Welfare Dept.

- 14234 Federal credit unions. [1964.] [8] p. il. narrow, 12° ([Form FCU 532C.]) \* Paper, \$3.00 per 100; single copy, 5c. ● Item 526  
FS 3.302 : F 31/2/964
- 14235 1963 report of operations, Federal credit unions. [1964.] cover title, iv+31 p. il. 4° [Text and map on p. 2 and 4 of cover.] †  
L.C. card 51-23782 FS 3.301 : 963

### FEDERAL EXTENSION SERVICE, Agriculture Dept.

- 14236 Economic studies pertaining to processing plant feasibility, partial bibliography; compiled by Dana G. Dalrymple. Oct. 1963 [slightly revised Dec. 1963]. [1964.] cover title, [2]+21 leaves, 4° (Mimeo D-6: Division of Marketing and Utilization Sciences.) † A 43.34/2 : P 94  
[Extension Service Circular] ESC (series).
- 14237 557. Working with low-income rural families, for extension agents and specialists [with bibliography; by Bryan Phifer]. June 1964. [2]+44 p. il. 4° [prepared in cooperation with land-grant Colleges and Universities.] † ● Item 59-A  
L.C. card Agr 64-368 A 43.4 : 557

### FEDERAL HOME LOAN BANK BOARD

- 14238 Statement of Federal Home Loan Bank Board on inquiry into mortgage insurance companies. June 26, 1964. cover title, 27 leaves, 4° †  
FHL 1.2 : In 7/3
- 14239 Today and tomorrow, decisions for management and system, by Joseph P. McMurray, chairman of Federal Home Loan Bank Board, at 77th annual convention of Michigan Savings and Loan League, Mackinac Island, Mich., July 13, 1964. [1964.] 16 p. 4° † FHL 1.23 : M 22/37

\*For Sale by Superintendent of Documents  
 †For Sale by OTS, Commerce Dept.  
 ●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
 Unless Otherwise Indicated

# GOVERNMENT PUBLICATIONS

## FEDERAL HOUSING ADMINISTRATION, Housing and Home Finance Agency

- 14240 Causes and prevention of failure of septic-tank percolation systems [with list of references; by P. H. McGauhey and John H. Winneberger]. Apr. 1964. cover title, [1]+vii+66 p. il. 4° (FHA 533; Technical studies report.) [Report prepared for Technical studies program.] †  
L.C. card 64-62144 IIIH 2.23: Se 6
- 14241 FHA data for selected housing areas, supplemental report on quarterly trends, characteristics of home mortgage transactions insured by FHA under sec. 203, 4th quarter 1963. [June 29, 1964.] 4 p. 4° (RR:250-M; [Division of Research and Statistics, Statistics Section].) [Issued with perforations.] †  
HH 2.24/3: 963/2
- 14242 FHA data for States, supplemental report on quarterly trends, characteristics of home mortgage transactions insured by FHA under sec. 203, 4th quarter 1963. [June 29, 1964.] 4 p. 4° (RR: 250-8; [Division of Research and Statistics, Statistics Section].) [Issued with perforations.] †  
HH 2.24/2: 963/2
- 14243 FHA regulations: [Home mortgage insurance amendments to sec. 220, 233, and 234]. [1964.] [10] p. ([FHA 3000-29.]) [Includes home regulations transmittal 29, Apr. 20, 1964. Issued in loose-leaf form.] †  
HH 2.6: M 84/7/trans.29
- 14244 — [Project insurance amendments to sec. 207, 213, 220, 221, and 232]. [1964.] [76] p. ([FHA 4000-23.]) [Includes project transmittal memorandum 23, Mar. 24, 1964. Issued in loose-leaf form.] †  
HH 2.6: M 84/6/trans.23
- 14245 — [Project mortgage insurance amendments to sec. 207, 220, 221, 231, and 233]. [1964.] [10] p. ([FHA 4000-24.]) [Includes project transmittal memorandum 24, Apr. 20, 1964. Issued in loose-leaf form.] †  
HH 2.6: M 84/6/trans.24

## FEDERAL POWER COMMISSION

National electric rate book, rate schedules for electric service in communities of 2,500 population or more, residential, commercial, and industrial services. [Issued with perforations.]

NOTE.—The complete rate book is made up of separate publications, each representing a State. They are sold on subscription basis by the Superintendent of Documents, \$8.00 a year, \$3.00 additional for foreign mailing; single copy, 25c.

- 14246 National electric rate book: California. Apr. 1964. [2]+30 p. 4° [Supersedes issue of Oct. 1963.] ● Item 437-A-4  
FP 1.18: C 12/964
- 14247 — Illinois. June 1964. [2]+32 p. 4° [Supersedes issue of June 1963.] ● Item 437-A-11  
FP 1.18: Ie 6/964
- 14248 — Kentucky. June 1964. [2]+14 p. 4° [Supersedes issue of Nov. 1963.] ● Item 437-A-15  
FP 1.18: K 41/964
- 14249 — North Carolina. June 1964. [2]+25 p. 4° [Supersedes issue of June 1963.] ● Item 437-A-31  
FP 1.18: N 81c/964
- 14250 — Pennsylvania. May 1964. [2]+32 p. 4° [Supersedes Issue of Aug. 1963.] ● Item 437-A-36  
FP 1.18: P 38/964
- 14251 — Wisconsin. June 1964. [2]+32 p. 4° [Supersedes issue of Aug. 1963.] ● Item 437-A-47  
FP 1.18: W 75/964
- 14252 Publication list, June 1964. [1964.] [2] p. 4° †  
FP 1.26: 964-2
- 14253 Regulations under Natural gas act, Aug. 1, 1962 [revised pages]; May 13, 1964. [1964.] [52] p. [Includes transmittal sheet 2. Issued in loose-leaf form.] \* Paper, \$1.25 (including basic book and supplements issued irregularly for an indefinite period); 50c. additional for foreign mailing. ● Item 439  
FP 1.7: G 21/3/962/trans.2

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# AUGUST 1964

## FEDERAL REGISTER OFFICER, General Services Administration

- 14254 Public papers of Presidents of United States: Harry S. Truman, containing public messages, speeches, and statements of the President, Jan. 1-Dec. 31, 1948. 1964. xxxiii+[1]+1079 p. 1 por. large 8° \* Cloth, \$9.75.  
● Item 574-A  
L.C. card 58-61050 GS 4.113: 948
- 14255 Supplement to Code of Federal regulations: title 46, Shipping, pts. 146-149, supplement as of July 1, 1964. [1964.] cover title, iv+307 p. \* Paper, 75c. ● Item 572  
L.C. card 49-46198 GS 4.108: 46/pt.146-149/supp.964-1
- 14256 United States Government organization manual 1964-65, revised June 1, 1964. [1964.] viii+783 p. il. [Includes Constitution of United States with amendments. Erratum, 1 p. oblong 48°, issued also.] \* Paper, \$1.75.  
● Item 577  
L.C. card 35-26025 GS 4.109: 964

## FEDERAL RESERVE SYSTEM BOARD OF GOVERNORS

- 14257 Revision of money supply series. [1964.] p. 679-692, 4° [Reprinted from Federal reserve bulletin, June 1964.] † FR 1.3/a: M 746/24

## FEDERAL SAFETY COUNCIL, Labor Dept.

- 14258 Progress report, Federal Safety Council, 1963. [1964.] cover title, [2]+9 p. il. oblong 8° † ● Item 762-E  
L.C. card 164-82 L 30.1: 963

## FEDERAL SUPPLY SERVICE, General Services Administration

- 14259 Federal specifications. ● Item 563 GS 2.8:

NOTE.—These specifications are now so completely covered by the Index of Federal specifications, standards, and handbooks with cumulative monthly supplements, that listing in the Monthly Catalog of United States Government Publications represents unnecessary and wasteful duplication of effort. For that reason they will no longer be listed.

Complete information on the Index of Federal specifications will be found in the Appendix to the February 1964 issue of the Monthly Catalog under Entry number 3585 and in the April 1964 issue under Entry number 6693.

Federal standards. [Issued with perforations.] ● Item 563

NOTE.—Federal standards may be purchased from the General Services Administration, Business Service Center, Region 3, 7th and D Streets SW., Washington, D.C., 20407. All checks and money orders should be made payable to the Treasurer of the United States. Single copies are available without charge at the nearest GSA regional office.

- 14260 194. Ribbon, typewriter, record, amdt. 2; May 6, 1964. 1964. 1 p. 4° (FSC 7510.) [Supersedes Interim amendment 1, Dec. 27, 1963.] †  
GS 2.8/3: 194/amdt.2

## FEDERAL TRADE COMMISSION

- 14261 Trade practice rules for braided rug industry; promulgated June 23, 1964. [1964.] [2]+4 p. ([FTC L-4966.]) † FT 1.16: R 84

## FISH AND WILDLIFE SERVICE, Interior Dept.

- 14262 Annual report of commissioner, Fish and Wildlife service to Secretary of Interior [fiscal year 1963.] [1964.] iv+281-348 p. il. [Reprinted from 1963 annual report of Secretary of Interior, fiscal year 1963.] †  
L.C. card 42-37746 I 49.1: 963

C.F.S. (series). (Bureau of Commercial Fisheries.) † I 49.8/2: (nos.)

- 14263 3502. Georgia landings, 1963, annual summary. [1964.] 9 p. il. 4° [Prepared in cooperation with Georgia State Game and Fish Commission, Atlanta, Ga., 30300.]
- 14264 3508. Massachusetts landings by ports, 1963, annual summary. [1964.] 14 p. il. 4°
- 14265 3517. Fish meal and oil, 1963, annual summary. [1964.] 4 p. il. 4°
- 14266 3532. Manufactured fishery products, 1962, annual summary. [June 1964.] 8 p. il. 4°

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# GOVERNMENT PUBLICATIONS

- Commercial fisheries review, separates. † I 49.10/a: (nos.)
- 14267 695. Electromechanical fishing and counting fence used in Ireland [with list of literature cited; by] Julius Rockwell, jr. [1964.] 6 p. il. 4° [From v. 23, no. 12, Dec. 1963.]
- 14268 696. Scope ratio-depth relationships for beam trawl, shrimp trawl, and otter trawl [with list of literature cited]; by Walter T. Pereyra. Dec. 1963. p. 7-10. il. 4° [From v. 25, no. 12.]
- 14269 698. Mechanizing blue crab industry, pt. 3. Strengthening industry's economic position [with list of literature cited]; by Charles F. Lee, George M. Knobl, jr., and Emmett F. Deady. [1964.] 7 p. 4° [From v. 26, no. 1, Jan. 1964.]
- 14270 699. Foreign fisheries briefs; [abstracted and compiled by Bureau of Commercial Fisheries, Branch of Foreign Fisheries and Trade]. [1964.] 1 p. 4° [From v. 26, no. 1, Jan. 1964.]
- 14271 700. Utilization of U.S. otter-trawl shrimp vessels in Gulf of Mexico, 1959-61; by Roy L. Lassiter, jr. [1964.] 6 p. il. 4° [From v. 26, no. 2, Feb. 1964.]
- 14272 701. Gulf of Alaska scallop explorations, 1963 [with list of literature cited]; by Warren F. Rathjen and Joaquim B. Rivers. [1964.] 7 p. il. 4° [From v. 26, no. 3, Mar. 1964.]
- 14273 702. Lake Erie fisheries explorations, May-Nov. 1960 [with list of literature cited]; by Ira A. Carr. [1964.] 8+[9] p. il. 4° [From v. 26, no. 4, Apr. 1964.]
- Conservation note. †
- 14274 9. America's rare sea mammals; [prepared in Office of Information]. [June 1962.] [8] p. il. 4° I 49.36/2:9
- 14275 Decoy trap for blackbirds and starlings. [May 1964.] 4 p. 3 pl. 4° (Bureau of Sport Fisheries and Wildlife, Section of Animal Depredations Control Studies, Patuxent Wildlife Research Center, Laurel, Md.)  
† I 49.2: B 56/2
- Fishery leaflets. † I 49.28: (nos.)
- 14276 403. Fish and wildlife regulations for District of Columbia. Revised Jan. 1960. [1960.] 4 p. 4° (Bureau of Sport Fisheries and Wildlife Branch of Fish Hatcheries.)
- 14277 558. Index of publications by Branch of Technology, Bureau of Commercial Fisheries, 1955-59 inclusive; by F. Bruce Sanford and Helen F. Plastino. Apr. 1964. [1]+iv+88 p. 4° (Bureau of Commercial Fisheries.)
- Refuge leaflets. I 49.44: (nos.)
- 14278 1-A. National wildlife refuge system. [1964.] 4 p. il. 4° (Bureau of Sport Fisheries and Wildlife.) \* Paper, 5c. ● Item 612-C
- 14279 109. Birds of Wichita Mountains Wildlife Refuge. [Mar. 1954, revised Mar. 1964.] [1964.] 4 p. 4° †
- 14280 301. Mammals of Malheur National Wildlife Refuge. [Revised edition.] [Mar. 1964.] 4 p. il. 4° †
- 14281 Report of Bureau of Commercial Fisheries for calendar year 1962. [1964.] iii+98 p. il. † ● Item 613-A  
L.C. card 62-61454 I 49.1/2: 962
- Research report. ● Item 614
- 14282 63. Sea-water systems for experimental aquariums, collection of papers [with bibliographies]; edited by John R. Clark and Roberta L. Clark. [1964.] vi+192 p. il. 4° ([Bureau of Sport Fisheries and Wildlife.]) \* Paper, \$1.25.  
L.C. card 64-62067 I 49.26: 63
- Special scientific report: Fisheries (series). †
- 14283 466. Ecology of Gulf of Mexico commercial sponges and its relation to fishery [with list of literature cited]; by John F. Storr. Mar. 1964. iv+73 p. il. 4° (Bureau of Commercial Fisheries.) [Contribution 192 from Marine Laboratory, Institute of Marine Science, University of Miami.]  
I 49.15/2: 466
- Wildlife leaflets. † I 49.13: (nos.)
- 14284 458. Improved nest structures for wood ducks [with list of references]; by Clark G. Webster and Francis M. Uhler. Mar. 1964. 20 p. il. 4° (Bureau of Sport Fisheries and Wildlife.) [Revision of WL-393, Jan. 1958, Better nest boxes for wood ducks.]
- 14285 459. Public use of national wildlife refuges, 1963. [May 1964.] 6 p. 4° [Bureau of Sport Fisheries and Wildlife.]

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# AUGUST 1964

## FOOD AND DRUG ADMINISTRATION, Health, Education, and Welfare Dept.

### FDA publication.

- 14286 24. Veterinarian and FDA, guardians of animal health. [June 1964.] [6] p. il. narrow 12° † ● Item 475-A FS 13.111: 24
- 14287 Federal food, drug, and cosmetic act, as amended, and General regulations for its enforcement, title 21, pt. 1 [revised pages; Jan. 1964.] [1964.] [5] p. 4° [Issued in loose-leaf form.] † ● Item 475-B FS 13.105: F 73/963-2/revised pages

## FOREIGN AGRICULTURAL SERVICE, Agriculture Dept.

[Foreign Agricultural Service, miscellaneous], FAS-M (series).† A 67.26: (nos.)

- 14288 3. Survey of Mexican winter vegetable production; by A. Clinton Cook. [Revised edition.] June 1964. [4]+11 p. il. 4° ● Item 76-G
- 14289 71. How U.S. cotton is sold for export; [by Guy A. W. Schilling]. Revised June 1964. [1964.] iv+51 p. 4° ● Item 76-G L.C. card Agr 64-339
- 14290 142. U.S. grain exports under Government programs, 1962-63, wheat and flour, coarse grains, rice. [Revised] May 1964. [1964.] 15 p. 4° L.C. card 63-2749
- 14291 157. Tobacco production and marketing in Southern Rhodesia, Northern Rhodesia, and Nyasaland; [by Albert B. Davis]. June 1964. [31]+32 p. il. 4° † L.C. card Agr 64-359
- 14292 160. Cotton in Iran; [by Jimmy D. Minyard]. June 1964. [2]+21 p. il. 4° L.C. card Agr 64-340
- 14293 Report of United States Government to Food and Agriculture Organization of United Nations, 1961-63, under art. 11 of FAO constitution; prepared under auspices of U.S. FAO Interagency Committee. v+95 p. 4° [Title on cover is U.S. report to FAO under art. 11 of FAO constitution, 1961-63.] † ● Item 76-H L.C. card 50-60924 A 67.35: 961-63

## FOREIGN-TRADE ZONES BOARD

- 14294 25th annual report of Foreign-Trade Zones Board to Congress, fiscal year 1963. [1964.] iv+51 p. il. \* Paper, 25c. ● Item 542 FTZ 1.1: 963

## FOREST SERVICE, Agriculture Dept.

- 14295 Annual report, 1963, Northeastern Forest Experiment Station. [1964.] cover title, [1]+110 p. il. † A 13.42/1: 963 L.C. card 53-61877
- 14296 Annual report, 1963, Pacific Southwest Forest and Range Experiment Station [with lists of publications]. [1964.] cover title, [3]+52 p. il. 4° † A 13.62/1: 963 L.C. card 53-60443
- 14297 Cooperation in forestry, 1962 yearbook, Department of Agriculture, Forest Service, Intermountain Region, National Forest Administration, State foresters groups & individuals. [1964.] cover title, [1]+27 p. il. [Text on p. 2 of cover.] † A 13.57: 962 Forest pest leaflets. ● Item 82-A A 13.52: (nos.)
- 14298 29. Oak wilt [with list of references]; by Marvin E. Fowler. July 1958, slightly [revised] Apr. 1964. [1964.] 7 p. il. †
- 14299 85. Walnut anthracnose [with one reference]; by Frederick H. Berry. July 1964. 4 p. il. †
- 14300 86. Douglas-fir tussock moth [with list of references]; by Harold R. Dodge and Galen C. Trostle. June 1964. 7 p. il. † L.C. card Agr 64-360
- 14301 Land of hardwoods, 1963 annual report, Central States Forest Experiment Station. [1964.] cover title, [2]+19 p. il. 4 † A 13.68/1: 963 L.C. card 53-33228

\*For Sale by Superintendent of Documents

‡For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C., Unless Otherwise Indicated

# GOVERNMENT PUBLICATIONS

- 14302 National forest log scaling handbook. [1964.] vii+193 p. il. narrow 12° (FSH 2443.71.) \* Fabrikoid, \$1.75. ● Item 86-C A 13.36/2: L 82
- 14303 1963 at Southern Forest Experiment Station. 1964. cover title, [1]+ii+71 p. il. 4° [Page 71 printed on inside of back cover.] † A 13.66/2: F 51/963  
L.C. card 45-36584
- 14304 1963 fire season in Pacific Northwest; by Owen P. Cramer. Apr. 1964. [2]+9 p. il. 4° (Pacific Northwest Forest and Range Experiment Station.) † A 13.66/2: F 51/963
- 14305 1963 research at Southeastern Forest Experiment Station [with list of publications by members of staff including cooperators, calendar year 1963]. [1963.] cover title, [2]+74 p. il. 4° (Southeastern Forest Experiment Station, Asheville, N.C.) † A 13.63/2: R 31  
L.C. card 64-61511
- 14306 Pocket guide to improved grading system for ponderosa pine and sugar pine saw logs in trees; by Edward M. Gaines; with illustrations by John H. Keeling. 1964. [1]+52 p. il. narrow 12° (Pacific Southwest Forest and Range Experiment Station, Berkeley, Calif.) † A 13.62/12: G 75/2
- 14307 Primary wood industries of Kentucky, utilization summary and directory. Apr. 1964. cover title, [2]+66 p. il. 4° (Central States Forest Experiment Station.) [Prepared in cooperation with Division of Forestry, Kentucky Department of Natural Resources.] † A 13.68/2: K 41  
L.C. card 64-62121
- Research note CS-(series). (Central States Forest Experiment Station, Columbus, Ohio.)
- 14308 CS-19. Burning does not control young hardwoods on shortleaf pine sites in Cumberland Plateau; [by Malcolm J. Williamson]. July 1964. 4 p. il. † A 13.79: C8-19
- Research note FPL-(series). (Forest Products Laboratory, Madison, Wis.) † A 13.79: FPL-(nos.)
- 14309 FPL-02. Comparison of wood preservatives in stake tests (1964 progress report); [by J. Oscar Blew, jr.]. Apr. 1964. cover title, 10+[53] p. 4° L.C. card 64-62132
- 14310 FPL-029. Some aspects of sawing accuracy in circular mills; [by Hiram Hallock and Edward Jaeger]. Mar. 1964. cover title, [23] p. il. 4°
- 14311 FPL-035. Overlays for lumber, old product in new dress [with list of literature cited; by H. O. Fleischer and B. G. Heebink]. Apr. 1964. cover title, [13] p. il. 4°
- 14312 FPL-039. Identification of oak woods. Mar. 1964. 2 p. il. 4° [Reprint of Technical note 125 of Forest Products Laboratory, issued Feb. 1921 and reissued Apr. 1961.]
- 14313 FPL-041. Wood for use in bulk storage structures [with list of literature cited; by Lyman W. Wood]. Mar. 1964. cover title, 12+[5] p. il. 4° [Revision of presentation made at 1962 winter meeting of American Society of Agricultural Engineers, Chicago, Ill., Dec. 11-14.]
- 14314 FPL-045. Board materials from wood residues; by Wayne C. Lewis. Apr. 1964. 10 p. 4°
- 14315 FPL-047. Uses of sawdust and shavings. Apr. 1964. 5+[4] p. 4° [Reprint of Report 1666-1 of Forest Products Laboratory, issued 1947 and revised 1961.]
- 14316 FPL-050. Control of conditions in gluing with protein and starch glues. Apr. 1964. 6+[6] p. il. 4° [Reprint of Forest Products Laboratory report 1340, revised Apr. 1950.]
- Research note INT (series). (Intermountain Forest & Range Experiment Station, Ogden, Utah.) † A 13.70: INT-(nos.)
- 14317 INT-14. Dwarfmistletoe survey in western Montana; [by] Donald P. Graham. 1964. 7 p. il. 4°
- 14318 INT-15. What do you mean, site preparation? [with list of literature cited; by] James D. Curtis. 1964. 8 p. 4°
- 14319 INT-16. Regeneration of lodgepole pine, study of slash disposal and cone opening; [by] James E. Lotan. 1964. 4 p. il. 4°
- 14320 INT-20. Forest area and timber volume in western South Dakota, [by] A. P. Caporaso. 1964. 4 p. il. 4°

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# AUGUST 1964

Research note NE-(series). (Northeastern Forest Experiment Station, Upper Darby, Pa.) † A 13.79: NE-(nos.)

- 14321 NE-19. Second-year results of hybrid poplar test plantings on bituminous strip-mine spoils in Pennsylvania; [by Grant Davis]. 1964. 7 p.  
 14322 NE-20. Evaluation of trough-type rain gage [with list of literature cited; by Irvin C. Reigner]. 4 p.

Research note PSW (series). (Pacific Southwest Forest and Range Experiment Station, Berkeley, Calif.) † A 13.70: PSW-(nos.)

- 14323 PSW-28. Instant octal accounting, byproduct of forest growth studies; by L. R. Grosenbaugh. 1963. 23 p. il. 4°  
 14324 PSW-37. Tests wind machine as aid to burning slash; [by] Harry Schimke. 1963. 5 p. il. 4°

Research note RM-(series). (Rocky Mountain Forest and Range Experiment Station.) † A 13.79: RM-(nos.)

- 14325 RM-19. Specific gravity of Arizona Gambel Oak; [by] Roland L. Barger and Peter F. Ffolliott. Apr. 1964. 2 p. 4°  
 14326 RM-20. Root development of ponderosa pine transplants at Lincoln, Nebr.; [by] Charles E. Boldt and Teja Singh. Apr. 1964. 4 p. il. 4°

Research note SO-(series). (Southern Forest Experiment Station, New Orleans, La.)

- 14327 SO-5. Two H-C furrow seeders; [by] Thomas C. Croker, jr. 1964. 4 p. il. 4°  
 † A 13.79: SO-5

Research note WO-(series). (Department of Agriculture, Washington, D.C.) † A 13.79: WO-(nos.)

- 14328 WO-3. Two plot transfer devices developed for aerial photographic forest insect trend surveys; by R. C. Aldrich. Mar. 1964. 8 p. il.  
 14329 WO-4. DDT and DDE residues in soil at Beltsville, Md., aerial test circle in 1963 [with reference cited]; by A. D. Moore. Mar. 1964. 3 p.

Research paper NE-(series). (Northeastern Forest Experiment Station, Upper Darby, Pa.) †

- 14330 NE-19. Evaluating and scheduling white-pine weevil control in northeast [with list of literature cited]; by Robert Marty and D. Gordon Mott. [1964.] cover title, [1]+56 p. il. [Abstract cards inserted.] A 13.78: NE-19  
 L.C. card 64-62152

Research paper PNW-(series). (Pacific Northwest Forest and Range Experiment Station, Portland, Ore.) †

- 14331 PNW-9. Mergers and economic concentration in Douglas-fir lumber industry [with list of literature cited]; by Walter J. Mead. Feb. 1964. [1]+vi+81 p. il. [Abstract cards inserted.] A 13.78: PNW-9  
 L.C. card 64-62137

Research paper SE-(series). (Southeastern Forest Experiment Station, Asheville, N.C.)

- 14332 SE-8. Rainfall interception by hardwood forest litter in southern Appalachians [with list of literature cited]; by J. D. Helvey. [Feb. 1964.] cover title, 8 p. il. 4° [Text on p. 2-3 of cover. Abstract cards inserted.] † A 13.78: SE-8

Research paper WO-(series). (Department of Agriculture, Washington, D.C.) †

- 14333 WO-2. Studies on life history of Virginia pine sawfly (Neodiprion pratti Dyar) [with list of literature cited; by Charles H. Schaefer]. Apr. 1964. cover title, 8+[1] p. il. 4° (Forest Insect Laboratory, Beltsville, Md.) A 13.78: WO-2

- 14334 Story of Jefferson National Forest. [1964.] cover title, 28 p. il. 4° Eastern Region.) [Text on p. 2 and 3 of cover.] † A 13.13: J 35/2  
 L.C. card Agr 64-333

- 14335 Tree planters' notes for planters of forests and shelterbelts and for nurserymen, no. 65 [with lists of literature cited]. Apr. 1964. [2]+31+[1] p. il. 4° [Issued with perforations.] † A 13.51: 65

## GENERAL SERVICES ADMINISTRATION

- 14336 GSA management intern program, GSA handbook. Dec. 2, 1963. cover title, [27] p. 4° (OFA P 3830.2.) [Issued with perforations.] † GS 1.6/6: M 31

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C., Unless Otherwise Indicated

# GOVERNMENT PUBLICATIONS

## GEOLOGICAL SURVEY, Interior Dept.

Bulletins. ● Item 620

I 19.4: (nos.)

- 14337 1147-F. Geology and uranium deposits at Crooks Gap, Fremont County, Wyo. [with list of references cited]; by James G. Stephens; with section on Gravity and seismic studies in Crooks Gap area, by Don L. Healey. 1964. vi+82 p. il. and portfolio of 11 pl. [Prepared on behalf of Atomic Energy Commission. Contributions to geology of uranium.] \* Paper, \$3.50.
- 14338 1181-E. Fossils in Ordovician tuffs, northeastern Maine [with list of references], by Robert B. Neuman; with section on Trilobites, by Harry B. Whittington. 1964. iii+38+[2] p. il. 7 pl. [Description of sequence of volcanic rocks in Maine and brachiopods, trilobites, and other fossils in these rocks. Contributions to general geology.] \* Paper, 30c.
- 14339 1181-I. Stratigraphic reconnaissance of Matanuska formation in Matanuska Valley, Alaska [with list of references cited]; by Arthur Grantz. 1964. iv+33 p. il. [Matanuska formation in its type area, its character, age, and stratigraphic rank. Contributions to general geology.] \* Paper, 20c.

Professional papers. ● Item 624

I 19.16: (nos.)

- 14340 403-D. Petrology of limestones of Guam [with list of references cited], by Seymour O. Schlanger; with section on Petrography of insoluble residues, by J. C. Hathaway and Dorothy Carroll. 1964. iv+52+[2] p. il. 21 pl. 4° [Field and laboratory study of reef-associated limestones of Pleistocene and Tertiary age. Geology and hydrology of Guam, Mariana Islands.] \* Paper, \$1.00.
- 14341 415. Geology and mineral deposits of Thomas and Dugway ranges, Juab and Tooele Counties, Utah [with list of references cited]; by Mortimer H. Staatz and Wilfred J. Carr. 1964. vi+188+[1] p. il. 9 pl. in pocket. [Prepared on behalf of Atomic Energy Commission. Some plates are colored.] \* Paper, \$3.00.
- 14342 429-B. Ecology of benthonic species [with list of references]; by Patsy B. Smith. 1964. iv+55+[5] p. il. 7 pl., 1 in pocket, 4° [Discussion of depth distribution of Foraminifera and ecologic factors of El Salvador, including comparison with other Pacific coast areas. Recent Foraminifera off Central America. Includes title page and contents to Professional paper 429.] \* Paper, \$1.00.
- 14343 440-L. Data of geochemistry, 6th edition, Michael Fleischer, technical editor; chap. L. Phase-equilibrium relations of common rock-forming oxides except water [with list of references]; by George W. Morey. 1964. ix+159 p. il. 4° [Discussion of melting relations of common rock-forming oxides and binary, ternary, quaternary, and quinary systems formed by them.] \* Paper, \$1.25.
- 14344 454-L. Stratigraphy of Niobrara formation at Pueblo, Colo. [with list of references cited]; by Glenn R. Scott and William A. Cobban. 1964. iii+30+[2] p. il. 11 pl. 4° [Report of informal subdivision and faunal zonation of Niobrara formation. Shorter contributions to general geology.] \* Paper, 55c.
- 14345 474-D. 1961 eruption of Kilauea Volcano, Hawaii [with list of references cited]; by D. H. Richter [and others]. 1964. iii+34 p. il. 4° [Detailed account of 3 summit eruptions and 1 flank eruption that occurred during 1961 and accompanying tumescence, seismic activity, and active faulting. Shorter contributions to general geology.] \* Paper, 35c.
- 14346 497-B. Removal of water and rearrangement of particles during compaction of clayey sediments, review [with list of references]; by Robert H. Meade. 1964. iv+23 p. il. 4° [Review of pertinent literature on factors influencing water content and clay-particle fabric of clayey sediments under increasing overburden pressures. Mechanics of of aquifer systems.] \* Paper, 25c.
- 14347 501[-B]. Geological Survey research 1964: Chap. B [short papers, with lists of references]. 1964. vi+191 p. il. 4° [Scientific notes and summaries of investigations prepared by members of Geologic and Water Resources Divisions in fields of geology, hydrology, and related sciences.] \* Paper, \$2.00.

L.C. card GS 60-286

Water-supply papers. ● Item 625

I 19.13: (nos.)

- 14348 1638. Ground-water resources of lower Rio Grande Valley area, Tex. [with selected bibliography]; by Roger C. Baker and O. C. Dale. 1964. v+56+[1] p. il. 5 pl. in pocket. [Prepared in cooperation with Texas Board of Water Engineers and Lower Rio Grande Valley Chamber of Commerce.] \* Paper, \$1.75.

L.C. card GS 64-297

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

## AUGUST 1964

- 14349 1696-B. Determination of radium in water [with list of references cited]; by F. B. Barker and J. O. Johnson. 1964. iii+29 p. il. [Radiochemical analysis of water.] \* Paper, 30c.
- 14350 1700. Geochemistry of natural waters of Blue Grass Region, Ky. [with list of selected references]; by G. E. Hendrickson and R. A. Krieger. 1964. vii+136 p. il. 9 pl. in pocket. [Prepared in cooperation with Department of Economic Development of Kentucky and Kentucky Geological Survey. One plate is colored.] \* Paper, \$1.50.
- 14351 1721. Compilation of records of surface waters of United States, Oct. 1950-Sept. 1960: pt. 1A, North Atlantic slope basins, Maine to Connecticut; [prepared in Water Resources Division]. 1964. x+317 p. il. 1 pl. in pocket. \* Paper, \$1.75.  
L.C. card GS 64-191
- 14352 1722. Same: pt. 1-B, North Atlantic slope basins, New York to York River; [prepared in Water Resources Division]. 1964. xiii+578 p. il. 1 pl. in pocket. \* Paper, \$4.00.  
L.C. card GS 64-191
- 14353 1729. Same: pt. 6-A, Missouri River basin above Sioux City, Iowa; [prepared in Water Resources Division]. 1964. xii+507 p. il. 1 pl. in pocket. \* Paper, \$2.25.  
L.C. card GS 64-191
- 14354 1736. Same: pt. 12, Pacific slope basins in Washington and upper Columbia River basin; [prepared in Water Resources Division]. 1964. xii+415 p. il. 1 pl. in pocket. \* Paper, \$2.25.  
L.C. card GS 64-191
- 14355 1739. Compilation of records of surface waters of Hawaii, July 1950-June 1960; [prepared in Water Resources Division]. 1964. vii+136 p. il. 5 pl. in pocket. \* Paper, \$1.75.  
L.C. card GS 64-299
- 14356 1779-P. Geology and ground water of Luke area, Maricopa County, Ariz. [with list of references cited]; by R. S. Stulik and F. R. Twenter. 1964. iv+30 p. il. 6 pl. in pocket. [Prepared in cooperation with Army Corps of Engineers and Air Force. Contributions to hydrology of United States.] \* Paper, \$1.00.
- 14357 1779-AA. Stream hydrology related to optimum discharge for king salmon spawning in northern California Coast Ranges [with list of references cited]; by S. E. Rantz. 1964. iii+16 p. il. [Prepared in cooperation with California Department of Fish and Game. Contributions to hydrology of United States.] \* Paper, 15c.

## HEALTH, EDUCATION, AND WELFARE DEPARTMENT

- 14358 Implementation of mental retardation programs; prepared by Secretary's Committee on Mental Retardation at request of the President. June 30, 1964. vii+98 p. il. 4° \* Paper, 55c. ● Item 445.  
L.C. card 64-62077 FS 1.2: M 52/5

## IMMIGRATION AND NATURALIZATION SERVICE, Justice Dept.

- 14359 Citizenship Day and Constitution Week bulletin, Sept. 17, 1964. [1964.] [2]+26 p. † ● Item 723-B J 21.14: 964
- 14360 [Federal textbook on citizenship: Becoming a citizen series], bk. 2, Our United States. 1964. v+118 p. il. 4° \* Paper, 75c. ● Item 724  
L.C. card 64-61022 J 21.9: C 49/4/bk.2

## INDIAN AFFAIRS BUREAU, Interior Dept.

- 14361 Indian industrial development program, new industrial opportunity. [1964.] [12] p. il. 4° † ● Item 627 I 20.2: In 2/23/964
- 14362 Publications price list, Bureau of Indian Affairs. [Haskell Press, Apr. 1964.] 16+iv p. il. narrow 12° [Insert, dated May 7, 1964, 1 p. 32°, issued also.] † Publications Service, Haskell Institute, Lawrence, Kans., 66044 I 20.48: P 96

\*For Sale by Superintendent of Documents  
 †For Sale by OTS, Commerce Dept.  
 ●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
 Unless Otherwise Indicated

Page 51



# GOVERNMENT PUBLICATIONS

## INTERAGENCY COMMITTEE ON WATER RESOURCES

Study of methods used in measurement and analysis of sediment loads in streams, cooperative project sponsored by subcommittee on sedimentation: Report. ● Item 607-A

- 14363 14. Determination of fluvial sediment discharge [with list of references; prepared by Frederick S. Witzigman and reviewed by Byron C. Colby]. Dec. 1963 [published 1964]. 151 p. il. 4° [Prepared for publication by Project Staff of Cooperating Agencies at St. Anthony Falls Hydraulic Laboratory, Minneapolis, Minn. Supersedes Report 8, Measurement of sediment discharge of streams.] \* Paper, 70c. Y 3.1n 8/8:10/14

## INTERIOR DEPARTMENT

- 14364 Lower Colorado River land use plan, report of Lower Colorado River Land Use Advisory Committee. Jan. 1964. xii+187 p. il. 9 pl. 3 overlays, 4° [Plates and some illustrations are colored.] \* Paper, \$3.25. ● Item 603 L.C. card 64-61966 I 1.2: C 71
- 14365 Natural resources of West Virginia, Mountain State; prepared by Division of Information. [1964.] 64 p. il. 4° \* Paper, 45c. ● Item 603-C L.C. card 63-62363 I 1.1: W 52v

## INTERNAL REVENUE SERVICE, Treasury Dept.

- 14366 Guide to laws enforced by Alcohol and Tobacco Tax Division, for law enforcement officers. [Revised June 1964.] [1964.] 13 p. il. narrow 16° (Document 5173.) † ● Item 956-A T 22.19/2: L 44/964
- 14367 Looseleaf regulations system: Service 1, Income tax, transmittal 52. June 5, 1964. [32] p. 4° ● Item 961 T 22.19/3: 1/trans.52

NOTE.—Service 1 consists of pts. 1, 2, 18, and 19 of title 26 of Code of Federal regulations. It is sold on a subscription basis by the Superintendent of Documents, \$12.50 (including basic material and supplements issued irregularly for approximately 3 years); \$3.75 additional for foreign mailing.

- 14368 Technical information release. (TIR series; Public Information Division.) [Irregular.] † T 22.42/2: (nos.) no. 593—May 1, 1964—

## INTERNATIONAL COMMERCE BUREAU, Commerce Dept.

- 14369 Checklist, international business publications. June 1964. [2]+24+[2] p. il. 4° † ● Item 231-D C 42.15: C 41/964 L.C. card 62-64920
- 14370 Market for U.S. products, Venezuela [with list of other publications on Venezuela; by Reynaldo Rodriguez]. [June 1964.] vi+65 p. il. 4° [Supplement to International commerce.] \* Paper, 50c. ● Item 214 L.C. card 64-62074 C 42.8/2: V 55/2
- 14371 Meet buyers for 400,000,000 customers [show the world, sell the world, U.S. trade centers, trade fairs.] [June 1964.] [2] p. il. oblong 8°, folded into narrow 8° size. † ● Item 231-A C 42.2: B 98/964
- Overseas business reports OBR (series). [Issued irregularly. Combines 3 parts of former World trade information service.] \* Paper, \$18.00 a yr. \$12.00 additional for foreign mailing; single copy, each 15c. (1-3 yr. subs.). ● Item 231-B C 42.20: (nos.)
- 14372 64-45. Market indicators for Asia and Oceania [with bibliography]. June 1964. 28 p. il. 4° ([International Trade Analysis Division, Office of International Regional Economics.]) [Supersedes WTIS, pt. 3, no. 61-3.]
- 14373 64-47. Basic data on economy of Nigeria [with bibliography]; prepared by A. A. Wilken. 20 p. il. 4°
- 14374 64-50. Foreign trade regulations of Guatemala; prepared by Rodney D. Anderson. May 1964. 8 p. 4° [Supersedes OBR 62-37 and WTIS, pt. 2, no. 59-42.]
- 14375 64-51. Foreign trade regulations of Spain; prepared by Arley T. Caudill. May 1964. 8 p. 4° [Supersedes WTIS, pt. 2, nos. 56-23, 58-18, 61-54.]

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C., Unless Otherwise Indicated

# AUGUST 1964

- 14376 64-52. Foreign trade regulations of Turkey; prepared by Near East-South Asia Division, Office of International Regional Economics. May 1964. 6 p. 4° [Supersedes WTIS, pt. 2, nos. 59-43, 61-51, 61-73.]
- 14377 64-53. Basic data on economy of Chad [with bibliography]; prepared by Michael B. Smith. June 1964. 8 p. il. 4° [Supersedes portions of WTIS, pt. 2, no. 59-73.]
- 14378 64-54. Foreign trade regulations of Thailand; prepared by Dawn A. Wachtel. June 1964. 8 p. 4° [Supersedes WTIS, pt. 2, nos. 59-84, 60-10 and 61-1.]
- 14379 64-55. Foreign trade regulations of Fed. Rep. of Germany; prepared by Margot W. Zener. June 1964. 10 p. [Supersedes WTIS, pt. 2, nos. 60-21, 60-63, 61-11, and OBR 62-30.]
- 14380 64-56. Foreign trade regulations of Argentina; prepared by Walter Haldar. June 1964. 8 p. 4° [Supersedes OBR 63-49.]
- 14381 64-57. Foreign trade regulations of Austria; prepared by Catherine M. Kelley. June 1964. 7 p. 4° [Supersedes WTIS, pt. 2, nos. 62-8, 61-31, and 59-18.]
- 14382 64-58. Investment factors in Republic of Korea; prepared by Joyce C. Bachmann. June 1964. 16 p. 4°
- 14383 64-60. Foreign trade regulations of West African Customs Union [Dahomey, Ivory Coast, Mali, Mauritania, Niger, Senegal, Upper Volta] and Togo; prepared by G. Michael Bache. June 1964. 11 p. 4° [Supersedes WTIS, pt. 2, nos. 56-78, 56-80, and 58-49.]
- 14384 64-62. Foreign trade regulations of Nicaragua; prepared by Rodney D. Anderson. June 1964. 8 p. 4° [Supersedes OBR 62-18; WTIS, pt. 2, nos. 59-75 and 59-67.]
- 14385 64-63. Basic data on economy of British Honduras [with bibliography]; prepared by William E. Spruce. June 1964. 8 p. 4°
- 14386 64-64. Foreign trade regulations of Ireland; prepared by Edward A. Leslie. June 1964. 7 p. 4° [Supersedes WTIS, pt. 2, nos. 60-28, and 61-8; OBR 62-38.]
- 14387 64-65. Basic data on economy of Norway [with bibliography]; prepared by Ann C. Holmes. June 1964. 13 p. il. 4° [Supersedes WTIS, pt. 1, no. 61-22.]
- 14388 64-67. Market factors in Netherlands [with bibliography]; prepared by Jacobus T. Severiens. June 1964. 12 p. 4°
- 14389 64-69. Leading commodities in U.S. foreign trade in 1963 [prepared in International Trade Analysis Division]. July 1964. 12 p. il. 4°
- 14390 64-72. United States foreign trade, Jan.-Mar. 1964; [prepared in International Trade Analysis Division]. July 1964. 24 p. il. 4°
- 14391 To Philippines, early '65, U.S. Industrial Development Mission will promote machinery exports, joint venture. [1964.] [3] p. il. 4° [Reprint from International commerce, June 8, 1964.] †

C 42.8/a : P 538/2

- 14392 Trade of United States, Western Europe, Canada & Japan in manufactured products, 1961/62, commodity data on U.S. participation in 90 foreign markets compared with other countries: v. 1, Plastic materials, pharmaceutical products, and manufactured fertilizers. [1964.] v+123 p. 4° [Prepared in cooperation with Business and Defense Services Administration.] \* Paper, 75c. ● Item 231-A  
L.C. card 64-62087 C 42.2:M 31/v.1
- 14393 — v. 2, Selected machinery and equipment. [1964.] v+126 p. 4° [Prepared in cooperation with Business and Defense Services Administration.] \* Paper, 75c. ● Item 231-A  
L.C. card 64-62087 C 42.2: M 31/v.2
- 14394 — v. 3, Selected consumer goods. [1964.] v+125 p. 4° [Prepared in cooperation with Business and Defense Services Administration.] \* Paper, 75c. ● Item 231-A  
L.C. card 64-62087 C 42.2: M 31/v.3
- 14395 U.S. share of world markets for manufactured products, analysis of changes from 1954-61; [by Harry Bodansky and Frances L. Hall]. [Mar. 1964.] v+26 p. il. 4° [Supplement to International commerce.] \* Paper, 25c. ● Item 214  
L.C. card 64-62070 C 42.8/2: M 31

739-697-64—No. 835—5

- \*For Sale by Superintendent of Documents
- ☿For Sale by OTS, Commerce Dept.
- Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# GOVERNMENT PUBLICATIONS

## INTERNATIONAL DEVELOPMENT AGENCY, State Dept.

- 14396 Development research digest, journal of selected excerpts, summaries and reprints of current materials on economic and social development; prepared by National Planning Association, Frances M. Geiger, editor. [Quarterly. Contains copyright material. Replaces Economic development section of Technical digest service, formerly prepared through facilities of Commerce Department. Title of v. 1, no. 1, July 1962, read Development research review.] † S 18.33: (v.nos.&nos.) v. 1, no. 1— July 1962—
- 14397 Estimates of gross national product, calendar year 1962 in current market prices (dollar equivalents), summary for free world. May 5, 1964. 6 leaves, 4° (Statistics and Reports Division; Reports control 137.) † S 18.2: G 91/962
- 14398 Handbook of tropical and sub-tropical horticulture [with lists of references; by Ernest Mortensen and Ervin T. Bullard. [May 1964.] viii+260 p. il. 4° ([Agriculture Technical Information Desk], Communications Resources Division, Publications and Technical Services Branch.) † L.C. card 64-62107 S 18.8: H 78

## INTERSTATE COMMERCE COMMISSION

- 14399 Accident bulletin 131, summary and analysis of accidents on railroads in United States subject to Interstate commerce act, calendar year 1962. [1964.] [3]+106 p. large 4° (Bureau of Transport Economics and Statistics.) \* Paper, \$1.25. ● Item 681 L.C. card 5-41547 IC 1 acci. 3: 131
- 14400 Deep-sea domestic waterborne traffic, 1958-62, ton-miles and average hauls by dry-cargo ships and tankers; [prepared by Seymour Etkin]. June 1964. cover title, xii+14 p. il. 4° (Statement 6403; Bureau of Transport Economics and Statistics.) [Map on p. 2 of cover. This staff publication, issued as information, has not been adopted by Interstate Commerce Commission.] \* Paper, 25c. ● Item 674 L.C. card 64-60802 IC 1.2: W 29/958-62
- 14401 Distribution of rail revenue contribution by commodity groups, 1961; [prepared by Cost Finding Section.] June 1964. cover title, ii+66 p. 4° (Statement no. 6-64; Bureau of Accounts.) [This study, issued as information, has not been adopted by Interstate Commerce Commission.] \* Paper, 40c. ● Item 682-B L.C. card A50-8955 IC 1 acco.9: 961
- 14402 Errata, rail-highway grade-crossing accidents, statement 6305, calendar year 1962. [Revised May 18, 1964.] [1964.] [2] leaves, 4° (Bureau of Transport Economics and Statistics.) † IC 1 acci. 8: 962/errata
- 14403 Explanation of automatic data processing procedure of rail form A, 11-63 using IBM 7090: pt. 1, Textual explanation; [prepared by Section of Cost Finding]. May 1964. [4]+5 p. 4° (Statement 5-64; Bureau of Accounts.) [This study, issued as information, has not been adopted by Interstate Commerce Commission.] † L.C. card A64-7540 IC 1 acco.2: Au 8/2/pt.1
- Motor carrier accident investigation report. (Bureau of Motor Carriers, Section of Motor Carrier Safety.) † IC 1 mot.18: (nos.)
- 14404 86. Lee Transportation Co., Inc., accident of Jan. 17, 1964 in Starks, La. [1964.] [1]+8 p. il. 4°
- 14405 87. Report of 5 accidents involving asphyxiation of 6 drivers, Jan. and Feb. 1964. [1964.] [1]+6 p. 4° †
- Railroad accident investigation report. †
- 14406 4002. Pennsylvania Railroad Company, Harrison, N.J., July 24, 1963. [1964.] 13 p. il. 1 pl. 4° IC 1 acci.5: 4002

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C., Unless Otherwise Indicated



# AUGUST 1964

- 14407 Road-check results, first half, 1962-63. May 25, 1964. 4 p. 14 tab. f° (Bureau of Motor Carrier.) [This study, issued as information, has not been adopted by Interstate Commerce Commission.] †  
IC 1 mot. 2: R 53/962-63

## JOINT PUBLICATIONS RESEARCH SERVICE

JPRS (series).

Y 3.J 66: 13/(nos.)

- 14408 25067. Translations on economic organization and management in Eastern Europe, no. 339. June 15, 1964. [2]+a-b+147 p. il. 4° Φ Paper, \$2.75.
- 14409 25068. Oceanography research, equipment and techniques, USSR [with bibliographies]. June 15, 1964. [2]+a+78 p. il. 4° [From Okeanologiya, v. 4, no. 2, 1964.] Φ Paper, \$2.00 (OTS: 64-31473).
- 14410 25069. Processing high-temperature magnesium alloys, USSR [with bibliographic references]; by M. Ye. Drits. June 15, 1964. [2]+a+53 p. il. 4° [From Magniyevyye splavy dlya raboty pri povyshennykh temperaturakh, 1964.] Φ Paper, \$1.50 (OTS: 64-31474).
- 14411 25070. Translation on Communist China's science and technology, no. 91. June 15, 1964. [2]+a+34 p. il. 4° Φ Paper, \$1.00 (OTS: 64-31475).
- 14412 25071. Translations on Communist China's industry, mining, fuels and power, no. 68. June 15, 1964. [2]+a+44 p. 4° Φ Paper, \$1.25.
- 14413 25072. Translations on political and sociological information on Communist China, no. 169. June 15, 1964. [2]+a+49 p. 4° Φ Paper, \$1.25.
- 14414 25073. Political translations on Eastern Europe, no. 116. June 15, 1964. [2]+a-b+113 p. 4° Φ Paper, \$2.50.
- 14415 25074. Translations on East European foreign trade, no. 167. June 15, 1964. [2]+a+91 p. 4° Φ Paper, \$2.25.
- 14416 25075. Translations on East European service industries, no. 270. July 21, 1964. [2]+a+13 p. il. 4° [Corrected version. Replaces issue dated June 15, 1964.] Φ Paper, 50c.
- 14417 25076. Psychopharmacology, Rumania; by Carli Marcu. June 15, 1964. [2] p. +4 leaves, 4° [From Stiinta si tehnica, Apr. 1964.] Φ Paper, 50c. (OTS: 64-31476).
- 14418 25077. Biographies of Soviet scientists, USSR. June 15, 1964. [2]+a+22 p. 4° [Articles from various Russian-language periodicals.] Φ Paper, 75c. (OTS: 64-31477.)
- 14419 25078. Effect of heat treatment on mechanical properties of M252 (studies on nickel-base heat-resisting alloys-III) [with list of references]; by Taro Hasegawa. June 15, 1964. [2]+14 p. il. 4° Φ Paper, 50c. (OTS: 64-31478).
- 14420 25079. Problem of energy metabolism in green plant, USSR; by B. A. Rubin. June 15, 1964. [2]+24 p. il. 4° [From Agrobiologiya, Nov/Dec. 1963.] Φ Paper, 75c. (OTS: 64-31479).
- 14421 25080. East European scientific abstracts: Earth sciences, no. 18. June 15, 1964. [2] p.+a+11 leaves, 4° Φ Paper, 50c. (OTS: 64-31480).
- 14422 25081. East European scientific abstracts: Biology and medicine, no. 75. June 15, 1964. [2] p.+a+29 leaves, 4° Φ Paper, 75c. (OTS: 64-31481).
- 14423 25082. East European scientific abstracts: Physics and mathematics, no. 25. June 15, 1964. [2] p.+a+5 leaves, 4° Φ Paper, 50c. (OTS: 64-31482).
- 14424 25083. USSR scientific abstracts: Biology and medicine, no. 12. June 15, 1964. [2] p.+a+148 leaves, il. 4° Φ Paper, \$2.75 (OTS: 64-31483).
- 14425 25084. Translations on international Communist developments, no. 611. June 15, 1964. [2]+a+110 p. 4° Φ Paper, \$2.50.
- 14426 25085. East European scientific abstracts: Electronics and engineering, no. 26. June 16, 1964. [2] p.+a+4 leaves, 4° Φ Paper, 50c. (OTS: 64-31484).
- 14427 25086. Translations on USSR electric power, no. 49. June 16, 1964. [2]+a-b+41 p. 4° Φ Paper, \$1.25.
- 14428 25087. Summary of Polish provincial press, 344 (May 26-June 1, 1964). June 16, 1964. [2]+a-b+37 p. 4° Φ Paper, \$1.00. L.C. card 58-60883
- 14429 25088. Press information report on Albania, no. 91. June 16, 1964. [2]+a+26 p. 4° Φ Paper, 75c.
- 14430 25089. Results of magnetotelluric investigations in Georgia, USSR; by M. N. Berdichevskiy and G. A. Chernyavskiy. June 16, 1964. [2]+8 p. il. 4° [From Razvedka i okhrana nedr, no. 4, Apr. 1964.] Φ Paper, 50c. (OTS: 64-31485).
- 14431 25090. East European scientific abstracts: Chemistry, no. 34. June 16, 1964. [2] p.+a+12 leaves, 4° Φ Paper, 50c. (OTS: 64-31486).
- 14432 25091. USSR industrial development: Soviet regional economy, no. 114. June 16, 1964. [2]+a+7 p. 4° Φ Paper, 50c. (OTS: 64-31487).
- 14433 25092. Translations on East European service industries, no. 271. June 16, 1964. [2]+a+15 p. 4° Φ Paper, 50c.
- 14434 25093. East European scientific abstracts: Physics and mathematics, no. 26. June 16, 1964. [2] p.+a+10 leaves, 4° Φ Paper, 50c. (OTS: 64-31488).

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

Page 55

# GOVERNMENT PUBLICATIONS

## JPRS (series)—Continued

- 14435 25094. East European scientific abstracts: Biology and medicine, no. 76. June 16, 1964. [2] p.+a+23 leaves, 4°  $\Phi$  Paper, 75c. (OTS: 64-31489).
- 14436 25095. Translations from Hung-ch'i (Red flag) no. 7-8, 1964, Communist China. June 12, 1964. [2]+a+97 p. 4°  $\Phi$  Paper, \$2.25. L.C. card 59-60699
- 14437 25096. Methods of reducing production costs, USSR [articles]. June 16, 1964. [2]+a+33 p. 4°  $\Phi$  Paper, \$1.00.
- 14438 25097. Modelling of automatic control systems, USSR [articles, with bibliographies]. June 16, 1964. [2]+a+67 p. il. 4° [From Avtomatyka, v. 9, no. 2, 1964.]  $\Phi$  Paper, \$1.75 (OTS: 64-31490).
- 14439 25098. Translations on East European agriculture, forestry, and food industries, no. 267. June 16, 1964. [2]+a+42 p. il. 4°  $\Phi$  Paper, \$1.25.
- 14440 25099. New method in probability number theory, USSR [with bibliography]; by Ye. V. Novoselev. June 16, 1964. [2]+86 p. 4° [From Izvestiya Akademii nauk SSSR, Seriya matematicheskaya, v. 26, no. 2, 1964.]  $\Phi$  Paper, \$2.25 (OTS: 64-31491).
- 14441 25100. Materials, technology and production economy welding of austenitic heat resisting steels and alloys used in building gas turbines, USSR; by B. I. Medovar. June 16, 1964. [2]-15 p. il. 4° [From Energomashinostroyeniye, no. 3, Mar. 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31492).
- 14442 25101. Index of La Stampa and La Stampa sera, no. 212 (June 1-7, 1964). June 16, 1964. [2]+9 p. 4°  $\Phi$  Paper, 50c. L.C. card 58-60868
- 14443 25102. Translations on international Communist developments, no. 612. June 16, 1964. [2]+a-b+74 p. 4°  $\Phi$  Paper, \$2.00.
- 14444 25103. On mechanism and limits of spontaneous chain ignition of hydrogen with oxygen in shock waves, USSR [with bibliography]; by V. V. Voyevodskiy. June 16, 1964. [2]+7 p. il. 4° [From Doklady Akademii Nauk SSSR, v. 154, no. 6, 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31493).
- 14445 25104. Use of penetrating cosmic radiation for determination of mean rock-density values, USSR [with bibliography]; by V. M. Bondarenko and A. G. Tarkhov. June 16, 1964. [2]+8 p. il. 4° [From Razvedka i okhrana nedr. no. 4, Apr. 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31494).
- 14446 25105. Translations on economic organization and management in Eastern Europe, no. 340. June 16, 1964. [2]+a+66 p. 4°  $\Phi$  Paper, \$1.75.
- 14447 25106. Communist China scientific abstracts, no. 55. June 16, 1964. [2] p.+a+3 leaves, 4°  $\Phi$  Paper, 50c (OTS: 64-31495).
- 14448 25107. Summary of Czechoslovak provincial press, no. 264 (Apr. 18-24, 1964). June 16, 1964. [2]+a-b+13 p. 4°  $\Phi$  Paper, 50c. L.C. card 59-60695
- 14449 25108. Communist China digest, no. 122. June 16, 1964. [2]+a-g+153 p. 4°  $\Phi$  Paper, \$5.50.
- 14450 25109. Soviet economic system, structure and policy, no. 134 (development of national economy of USSR during past decade). June 16, 1964. [2]+15 p. 4° [From Vestnik statistiki, no. 4, Apr. 1964.]  $\Phi$  Paper, 50c.
- 14451 25110. Journey without adventure and fantasy, Communist China; by Ye. Murzayev. June 16, 1964. [2]+163 p. il. 4°  $\Phi$  Paper, \$3.00.
- 14452 25111. Logical forms of crime classification, USSR; by V. N. Kudryavtsev. June 16, 1964. [2]+21 p. il. 4° [From Teoreticheskiye osnovy kvalifikatsii prestupleniy, 1963.]  $\Phi$  Paper, 75c.
- 14453 25112. Press information report on Albania, no. 92 (Feb. 27-Mar. 31, 1964.) June 16, 1964. [2]+a-f+85 p. 4°  $\Phi$  Paper, \$2.25.
- 14454 25113. Translations of Pravda editorial, USSR, no. 279 (June 12, 1964). June 16, 1964. [2] p.+4 leaves, 4°  $\Phi$  Paper, 50c.
- 14455 25114. Radiation hygiene, USSR; edited by S. M. Gorodinskiy et al. June 17, 1964. [2]+a+39 p. il. 4° [From Radiatsionnaya gigiyena, v. 1, 1962.]  $\Phi$  Paper, \$1.25 (OTS: 64-31496).
- 14456 25115. Cyclohexane-metallic catalyst interaction, chemical bond estimation, and electrostatic adsorption of ions, USSR [articles, with lists of literature]. June 17, 1964. [2]+a+19 p. il. 4° [From Doklady Akademii nauk SSSR, v. 155, 1964, no. 3.]  $\Phi$  Paper, 75c. (OTS: 64-31497).
- 14457 25116. Studies in toxicology, USSR [with bibliographies]. June 17, 1964. [2]+a+31 p. il. 4° [From Gigiyena truda i professional'nyye zabolevaniya, Apr. 1964.]  $\Phi$  Paper, \$1.00 (OTS: 64-31498).
- 14458 25117. USSR industrial development: Soviet regional economy, no. 115. June 17, 1964. [2]+a+27 p. 4°  $\Phi$  Paper, 75c. (OTS: 64-31499).
- 14459 25118. Translations on East European agriculture, forestry, and food industries, no. 268. June 17, 1964. [2]+a+20 p. il. 4°  $\Phi$  Paper, 75c.
- 14460 25119. Translations on Soviet transportation, no. 67. June 17, 1964. [2]+a-b+195 p. il. 4°  $\Phi$  Paper, \$3.00.
- 14461 25120. Summary of Bulgarian provincial press, no. 211 (Apr. 23-May 8, 1964). June 17, 1964. [2]+a-b+6 p. 4°  $\Phi$  Paper, 50c.
- 14462 25121. Health resort science, physiotherapy, and therapeutic physical culture, USSR [articles, with bibliographies]. June 17, 1964. [2]+i+35 p. 4° [From Voprosy kurortologii, fizioterapii, i lechennoy fizicheskoy kultury, Mar.-Apr. 1964.]  $\Phi$  Paper, \$1.00 (OTS: 64-31500).

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C., Unless Otherwise Indicated

# AUGUST 1964

- 14463 25122. Prophylactic and protective measures in working with thorium, USSR; by N. Yu. Tarasenko. June 17, 1964. [2]+29 p. il. 4° [From Gigiyena truda pri rabote s toriyem, 1963.]  $\Phi$  Paper, 75c. (OTS: 64-31501).
- 14464 25123. Distribution of reserves of game waterfowl in USSR at present time and in recent past [with bibliography]; by Yu. A. Isakov. June 17, 1964. [2]+14 p. il. 4° [From Byulleten' Moskovskogo Obshchestva Ispitateley Prirody, v. 69, no. 1, 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31502).
- 14465 25124. Metal fatigue and cyclic stress, USSR [articles, with bibliographies]. June 17, 1964. [2]+a+33 p. il. 4° [From Prochnost' metallov pri peremennykh nagruzkakh, 1963.]  $\Phi$  Paper, \$1.00 (OTS: 64-31503).
- 14466 25125. Translations on economic organization and management in Eastern Europe, no. 341. June 17, 1964. [2]+a+22 p. 4°  $\Phi$  Paper, 75c.
- 14467 25126. Laboratory and field research into piezoelectric effect of nepheline-containing rocks, USSR [with bibliography]; by E. I. Parkhomenko. June 17, 1964. [2]+6 p. il. 4° [From Doklady Akademii Nauk SSSR, v. 155, no. 6, 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31504).
- 14468 25127. Study of functional condition of kidneys and toxic properties of sera of animals after repeated thermal trauma, USSR [with bibliography]; by R. V. Nedoshivina and I. K. Koryakina. June 17, 1964. [2] p.+5 leaves, il. 4° [From Patologicheskaya fiziologiya i eksperimental'naya terapiya, Mar./Apr. 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31505).
- 14469 25128. East European scientific abstracts: Physics and mathematics, no. 27. June 17, 1964. [2]+a+3 leaves, 4°  $\Phi$  Paper, 50c. (OTS: 64-31506).
- 14470 25129. East European scientific abstracts: Biology and medicine, no. 77. June 17, 1964. [2]+a+4 leaves, 4°  $\Phi$  Paper, 50c. (OTS: 64-31507).
- 14471 25130. Effect on stress on radiosensitivity of rats and effectiveness of radioprotective action of mercamine, USSR [with bibliography]; by P. D. Gorizontov and I. A. Rudakov. June 17, 1964. [2]+10 p. il. 4° [From Patologicheskaya fiziologiya i eksperimental'naya terapiya, v. 8, no. 2, Mar.-Apr. 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31508).
- 14472 25131. Interrelationship between plasma loss, hemoconcentration, changes in circulating blood volume and blood pressure in thermal burns, USSR [with bibliography]; by N. I. Kochetgov. June 17, 1964. [2]+8 p. 4° [From Patologicheskaya fiziologiya, Mar./Apr. 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31509).
- 14473 25132. Specificity of autoantibodies in burn sickness, USSR [with bibliography]; by V. N. Kazakova. June 17, 1964. [2]+7 p. 4° [From Patologicheskaya fiziologiya i eksperimental'naya terapiya, Mar./Apr. 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31510).
- 14474 25133. Problem of change of interstitial water balance in dogs after lethal thermal burn, USSR [with bibliography]; by V. B. Troitskiy and N. A. Gorbunova. June 17, 1964. [2]+7 p. 4° [From Patologicheskaya fiziologiya i eksperimental'naya terapiya, Mar./Apr. 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31511).
- 14475 25134. Translations on Africa, no. 58. June 17, 1964. [2]+a+27 p. 4°  $\Phi$  Paper, 75c.
- 14476 25135. Problems of investment and chill casting, USSR [articles, with list of literature]. June 17, 1964. [2]+a+22 p. il. 4° [From Liteynaye proizvodstvo, Jan. 1964.]  $\Phi$  Paper, 75c. (OTS: 64-31512).
- 14477 25136. Rumanian school of mathematics; by Miron Nicolsu. June 17, 1964. [2] p.+5 leaves, 4° [From Romunia Ibera, May 17, 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31513).
- 14478 25137. Soviet military translations, no. 145 (Civil defense). June 17, 1964. [2]+a+30 p. il. 4°  $\Phi$  Paper, \$1.00.
- 14479 25138. Izvestiya VUZov, radio engineering, USSR, no. 1, 1964 [with bibliographies]. May 17, 1964. [2]+a-c+213 p. il. 4°  $\Phi$  Paper, \$3.50 (OTS: 64-31514).
- 14480 25139. Soviet-bloc research in geophysics, astronomy, and space. See Appendix entry in February monthly catalog.
- 14481 25140. Translations from Hung-ch'i (Red flag), no. 10, 1964, Communist China. (On primacy of human factor). June 17, 1964. [2]+9 p. 4°  $\Phi$  Paper, 50c. L.C. card 59-60699
- 14482 25141. Translations on international Communist developments, no. 613. June 17, 1964. [2]+a+82 p. 4°  $\Phi$  Paper, \$2.25.
- 14483 25142. Translations of Pravda editorial, USSR, no. 280 (June 15, 1964). June 17, 1964. [2] p.+4 leaves, 4°  $\Phi$  Paper, 50c.
- 14484 25143. Translations on economic organization and management in Eastern Europe, no. 342. June 18, 1964. [2]+a+40 p. 4°  $\Phi$  Paper, \$1.25.
- 14485 25144. Translations on East European heavy industry, no. 176. June 18, 1964. [2]+a+60 p. 4°  $\Phi$  Paper, \$1.75.
- 14486 25145. Soviet military translations, no. 146. June 18, 1964. [2]+a+36 p. 4°  $\Phi$  Paper, \$1.00.
- 14487 25146. Translations on Africa, no. 59. June 18, 1964. [2]+a-b+126 p. 4°  $\Phi$  Paper, \$2.75.
- 14488 25147. Controllable pitch propellers and ship design, USSR. June 18, 1964. [2]+a+76 p. il. 4° [From Crebnye vinty reguliruyemogo sbaga i ikh sovmestnaya rabota s silovymi ustanovkami, 1963.]  $\Phi$  Paper, \$2.00 (OTS: 64-31515).

\*For Sale by Superintendent of Documents  
 $\Phi$ For Sale by OTS, Commerce Dept.  
 $\bullet$ Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
 Unless Otherwise Indicated



# GOVERNMENT PUBLICATIONS

## JPRS (series)—Continued

- 14489 25148. Soviet economic system, current developments, no. 37. June 18, 1964. [2]+a-b+23 p. 4°  $\Phi$  Paper, 75c.
- 14490 25149. Sociological translations on Eastern Europe, no. 229. June 18, 1964. [2]+a-a+31 p. 4°  $\Phi$  Paper, \$1.00.
- 14491 25150. USSR industrial development: Soviet ferrous metallurgy, no. 194. June 18, 1964. [2]+a+16 p. 4° [Some pages are issued as leaves.]  $\Phi$  Paper, 50c. (OTS: 64-31516).
- 14492 25151. Translations of political and sociological information on North Vietnam, no. 83. June 18, 1964. [2]+a-b+62 p. 4°  $\Phi$  Paper, \$1.75.
- 14493 25152. USSR industrial development: Soviet automotive industry, no. 58. June 18, 1964. [2]+a-f+43 p. 4°  $\Phi$  Paper, \$1.25 (OTS: 64-31517).
- 14494 25153. Translations on international Communist developments, no. 614. June 18, 1964. [2]+a-b+82 p. 4°  $\Phi$  Paper, \$2.25.
- 14495 25154. Translations on North Vietnam's economy, no. 106. June 18, 1964. [2]+a+24 p. 4°  $\Phi$  Paper, 75c.
- 14496 25155. Summary of Rumanian provincial press, no. 266 (May 10-17, 1964). June 18, 1964. [2]+a+20 p. 4° [Includes list of sources.]  $\Phi$  Paper, 75c.
- 14497 25156. Translations on East European materials industries, no. 169 [with bibliography]. June 18, 1964. [2]+a+38 p. 4°  $\Phi$  Paper, \$1.00.
- 14498 25157. Translations on Cuba, no. 149. June 18, 1964. [2]+a-b+135 p. 4°  $\Phi$  Paper, \$2.75.
- 14499 25158. Indonesian press survey, no. 58 (Mar. 16-May 21, 1964). June 16, 1964. [2]+a-b+28 p. 4°  $\Phi$  Paper, \$1.00.
- 14500 25159. Summary of Hungarian provincial press, no. 315 (Apr. 21-26, 1964). June 19, 1964. [2]+a-c+31 p. 4°  $\Phi$  Paper, \$1.00. L.C. card 58-60912
- 14501 25160. Translations on East European agriculture, forestry, and food industries, no. 269. June 19, 1964. [2]+a+39 p. 4°  $\Phi$  Paper, \$1.25.
- 14502 25161. Translations on East European heavy industry, no. 177. June 19, 1964. [2]+a+43 p. 4°  $\Phi$  Paper, \$1.25.
- 14503 25162. Translations on Soviet transportation, no. 68. June 19, 1964. [2]+a-b+161 p. il. 4°  $\Phi$  Paper, \$3.00.
- 14504 25163. Special steels and alloys, USSR [with lists of references]. June 19, 1964. [2]+a+49 p. il. 4° [From Spetsial 'nyye stali i splavy, no. 35, 1963.]  $\Phi$  Paper, \$1.50 (OTS: 64-31518).
- 14505 25164. Translations on economic organization and management in Eastern Europe, no. 343. June 19, 1964. [2]+a+83 p. il. 4°  $\Phi$  Paper, \$2.25.
- 14506 25165. Political translations on Eastern Europe, no. 117. June 19, 1964. [2]+a+23 p. 4°  $\Phi$  Paper, 75c.
- 14507 25166. USSR industrial development: Soviet nonferrous metallurgy, no. 93. June 19, 1964. [2]+a+5 p. 4°  $\Phi$  Paper, 50c. (OTS: 64-31519).
- 14508 25167. Military information on East Europe, no. 86. June 19, 1964. [2]+a+9 p. 4°  $\Phi$  Paper, 50c.
- 14509 25168. Izvestiya VUZov, radiophysics, USSR, no. 1, 1964 [with bibliographies]. June 19, 1964. [2]+a-b+281 p. il. 4°  $\Phi$  Paper, \$4.00 (OTS: 64-31520).
- 14510 25169. Technical cybernetics, no. 2, 1964, USSR [with bibliographies]. June 19, 1964. [2]+a-b+295 p. il. 4°  $\Phi$  Paper, \$4.00 (OTS: 64-31521).
- 14511 25170. Prospects, tasks and cooperation in medical industry, USSR [articles, with bibliography]. June 19, 1964. [2]+a+12 p. 4° [From Meditsinskaya promyshlennost' SSR, v. 18, no. 3, Mar. 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31522).
- 14512 25171. Electron-beam welding in industry, USSR; by O. K. Nazarenko and N. N. Leont'yev. June 19, 1964. [2]+9 p. il. 4° [From Mashinostroyeniye, no. 6, Nov.-Dec. 1963.]  $\Phi$  Paper, 50c. (OTS: 64-31523).
- 14513 25172. New technology in investment casting, USSR; by A. S. Lakeyev. June 19, 1964. [2]+6 p. 4° [From Mashinostroyeniye, no. 6, Kiev, Nov.-Dec. 1963.]  $\Phi$  Paper, 50c. (OTS: 64-31524).
- 14514 25173. Research Institute of Hungarian Organic Chemical Industry. June 19, 1964. [2] p.+3 leaves, 4° [From Ujltok lapja, v. 16, no. 8, Apr. 25, 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31525).
- 14515 25174. Applications to Hungarian National Patent Office. June 19, 1964. [2] p.+3 leaves, 4° [From Ujltok lapja, v. 16, no. 8, Apr. 25, 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31526).
- 14516 25175. Classification of tumors of upper respiratory organs, USSR [articles]. June 19, 1964. [2]+a+10 p. 4° [From Voprosy onkologii, v. 10, no. 1, 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31527).
- 14517 25176. What a training village should look like, USSR; by A. Chebotarev. June 19, 1964. [2] p.+5 leaves, il. 4° [From Voennoyye znaniya, no. 2, 1964.]  $\Phi$  Paper, 50c.
- 14518 25177. USSR international economic relations, no. 12 (Po-I-Po distorts facts). June 19, 1964. [2] p.+5 leaves, 4°  $\Phi$  Paper, 50c.
- 14519 25178. Translations on Cuba, no. 150. June 22, 1964. [2]+a+62 p. 4°  $\Phi$  Paper, \$1.75.
- 14520 25179. USSR industrial development: Soviet metalworking equipment, no. 102. June 22, 1964. [2]+a+34 p. il. 4°  $\Phi$  Paper, \$1.00 (OTS: 64-31528).

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# AUGUST 1964

- 14521 25180. Studies of tumors, USSR [with bibliographies]. June 22, 1964. [2]+a+20 p. il. 4° [From Voprosy onkologii, v. 10, no. 3, 1964.] Φ Paper, 75c. (OTS: 64-31529).
- 14522 25181. The book of the future, USSR. June 22, 1964. [2]+17 p. 4° [From Kniga, no. 9.] Φ Paper, 50c. (OTS: 64-31530).
- 14523 25182. Toxic effect of molds on grain, USSR [with bibliographies]. June 22, 1964. [2]+a+1-62a, 63-107 p. il. 4° Φ Paper, \$2.50 (OTS: 64-31531).
- 14524 25183. East European scientific abstracts: Electronics and engineering, no. 27. June 22, 1964. [2] p.+a+12 leaves, 4° Φ Paper, 50c. (OTS: 64-31532).
- 14525 25184. Studies in color vision, USSR. June 22, 1964. [2]+a+29 p. il. 4° [From Tsvet vokrug nas 8 series. Biologiya i meditsina, 1964.] Φ Paper, \$1.00 (OTS: 64-31533).
- 14526 25185. Translations on USSR communications, no. 44. June 22, 1964. [2]+a+13 p. il. 4° Φ Paper, 50c.
- 14527 25186. Sociological translations on Eastern Europe, no. 230. June 22, 1964. [2]+a+40 p. il. 4° Φ Paper, \$1.25.
- 14528 25187. Geographical distribution of magma deposits throughout Mongolia; by N. A. Marinov. June 22, 1964. [2]+a+30 p. il. 4° [From Materialy po geologii Mongol'skoy Narodnoy Respubliki, 1963.] Φ Paper, \$1.00 (OTS: 64-31534).
- 14529 25188. Translations of political and sociological information on Communist China, no. 170. June 22, 1964. [2]+a+50 p. 4° Φ Paper, \$1.50.
- 14530 25189. Translations on international Communist developments, no. 615. June 22, 1964. [2]+a-b+100 p. 4° Φ Paper, \$2.50.
- 14531 25190. Translations on Communist China's trade, finance, transportation and communications, no. 101. June 22, 1964. [2]+a+39 p. 4° Φ Paper, \$1.25.
- 14532 25191. Translations on Communist China's science and technology, no. 92 [with bibliography]. June 22, 1964. [2]+a+47 p. il. 4° Φ Paper, \$1.25 (OTS: 64-31535).
- 14533 25192. Soviet economic system: Structure and policy, no. 135 (development of large-scale chemistry and tasks of financial organs). June 22, 1964. [2]+8 p. 4° [From Finansy SSSR no. 3, Mar. 1964.] Φ Paper, 50c.
- 14534 25193. Translations on Soviet transportation, no. 69. June 22, 1964. [2]+a-b+61 p. 4° Φ Paper, \$1.75.
- 14535 25194. Translations on North Vietnam's economy, no. 107. June 22, 1964. [2]+a+28 p. 4° Φ Paper, 75c.
- 14536 25195. Translations of political and sociological information on North Vietnam, no. 84. June 22, 1964. [2]+a+13 p. 4° Φ Paper, 50c.
- 14537 25196. Translations on Communist China's industry, mining, fuels and power, no. 69. June 22, 1964. [2]+a+27 p. 4° Φ Paper, 75c.
- 14538 25197. First session of Scientific Council on Problems of Cytology, USSR; by M. N. Gruzova. June 22, 1964. [2] p.+3 leaves, 4° Φ Paper, 50c. (OTS: 64-31536).
- 14539 25198. Translations on East European service industries, no. 272 (Transportation: Industry or public service?). June 22, 1964. [2]+7 p. 4° Φ Paper, 50c.
- 14540 25199. Translations on East European foreign trade, no. 168. June 22, 1964. [2]+a+19 p. 4° Φ Paper, 75c.
- 14541 25200. Translations of Pravda editorial, USSR, no. 281 (June 16, 1964). June 19, 1964. [2]+4 leaves, 4° Φ Paper, 50c.
- 14542 25201. Summary of Polish provincial press, no. 345 (June 2-8, 1964). June 22, 1964. [2]+a-b+33 p. 4° [Includes list of newspaper sources.] Φ Paper, \$1.00.  
L.C. card 58-60883
- 14543 25202. Progress toward goal by random search method, USSR [with list of references] by V. A. Mutseulyeks et al. June 22, 1964. [2]+14 p. 4° [From Izvestiya Akademii Nauk Latvyskoy SSR, seriya fizicheskikh i tekhnicheskikh nauk, no. 2, 1964.] Φ Paper, 50c. (OTS: 64-31537).
- 14544 25203. Translations on East European materials industries, no. 170 [with list of references]. June 22, 1964. [2]+a+28 p. il. 4° Φ Paper, 75c.
- 14545 25204. USSR industrial development: Soviet metalworking equipment, no. 103. June 22, 1964. [2]+a+7 p. 4° Φ Paper, 50c. (OTS: 64-31538).
- 14546 25205. Political translations on Eastern Europe, no. 118. June 22, 1964. [2]+a+20 p. 4° Φ Paper, 75c.
- 14547 25206. Problems of labor hygiene in production of metallic thallium and its salts. USSR [with bibliography]; by T. S. Tikhov. June 22, 1964. [2]+9 p. 4° [From Gigiyena i sanitariya, Feb. 1964.] Φ Paper, 50c. (OTS: 64-31539).
- 14548 25207. Translations on Communist China's trade, finance, transportation and communications, no. 102. June 22, 1964. [2]+a+39 p. 4° Φ Paper, \$1.25.
- 14549 25208. Vestnik of USSR Academy of Medical Sciences, v. 19, no. 4, 1964. June 22, 1964. [2]+a-b+169 p. il. 4° Φ Paper, \$3.00 (OTS: 64-31540).
- 14550 25209. Translations on international Communist developments, no. 616. June 22, 1964. [2]+a-b+135 p. 4° Φ Paper, \$2.75.
- 14551 25210. Translations on East European service industries, no. 273. June 22, 1964. [2]+a+21 p. il. 4° Φ Paper, 75c.

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

Page 59

# GOVERNMENT PUBLICATIONS

## JPRS (series)—Continued

- 14552 25211. Translations on Africa, no. 60 (Activities of National Liberation Front of Angola). June 22, 1964. [2]+a-b+21 p. 4° [Translation of Angola Informations, May 3, 1964.]  $\Phi$  Paper, 75c.
- 14553 25212. Causes of religious survival and means for its elimination, USSR [with list of literature]; by Ye. A. Karpovskiy. June 22, 1964. [2]+16 p. 4° [From Voprosy filosofii, no. 4, Apr. 1964.]  $\Phi$  Paper, 50c.
- 14554 25213. Pedagogical tasks in pioneer section discussed, USSR; by S. Pletnev. June 22, 1964. [2]+9 p. 4° [From Shkola-internat, no. 4, 1963.]  $\Phi$  Paper, 50c.
- 14555 25214. Protecting food and water against chemical-biological-radiological attack, USSR [with list of literature; by V. Ya. Kovalenko]. June 22, 1964. [2]+a+58 p. il. 4°  $\Phi$  Paper, \$1.50 (OTS: 64-21541).
- 14556 25215. Scientific research in animal husbandry and poultry raising, Rumania; by Vasile Herdea. June 22, 1964. [2]+9 p. 4° [From Lupta de clasa, no. 4, Apr. 1964.]  $\Phi$  Paper, 50c. (OTS: 64-31542).
- 14557 25216. Translations of political and sociological information on Communist China, no. 171. June 22, 1964. [2]+a+12 p. 4°  $\Phi$  Paper, 50c.
- 14558 25217. Translations of political and sociological information on North Vietnam, no. 85. June 22, 1964. [2]+a+33 p. 4°  $\Phi$  Paper, \$1.00.
- 14559 25218. Translations on East European agriculture, forestry, and food industries, no. 270. June 23, 1964. [2]+a+30 p. 4°  $\Phi$  Paper, \$1.00.
- 14560 25219. Translations on economic organization and management in Eastern Europe, no. 344. June 23, 1964. [2]+a+50 p. 4°  $\Phi$  Paper, \$1.50.
- 14561 25220. Translations on Africa, no. 60. June 23, 1964. [2]+a+58 p. 4°  $\Phi$  Paper, \$1.50.
- 14562 25221. Optimal solutions for games with bluffing and high-speed control, USSR [articles, with bibliographies]. June 23, 1964. [2]+a+32 p. il. 4° [From Vestnik Leningradskogo Universiteta, seriya matematiki, mekhaniki, astronomii, v. 19, no. 1, 1964.]  $\Phi$  Paper, \$1.00 (TT: 64-31543).
- 14563 25222. Philosophical problems in sociology and natural science, USSR [articles, with bibliography of recommended reading]. June 23, 1964. [2]+a+51 p. 4° [From Voprosy filosofii, no. 2, 1964.]  $\Phi$  Paper, \$1.50.
- 14564 25223. East European scientific abstracts: Biology and medicine, no. 78. June 23, 1964. [2] p.+a+23 leaves, 4°  $\Phi$  Paper, 75c. (TT: 64-31544).
- 14565 25224. Short history of Mongolian People's Revolutionary Party, 1917-40. June 23, 1964. [2]+a+123 p. 4° [From Namyn am'dral, Sept.-Dec. 1963, Jan. and Mar. 1964.]  $\Phi$  Paper, \$2.75.
- 14566 25225. Communist Chinese scientific abstracts, no. 56. June 23, 1964. [2] p.+a+7 leaves, 4°  $\Phi$  Paper, 50c. (TT: 64-31545).
- 14567 25226. Practical medicine in USSR [articles]. June 23, 1964. [2]+a+103 p. il. 4° [From Kalendar' vracha na 1964 god, 1963.]  $\Phi$  Paper, \$2.50 (TT: 64-21546).
- 14568 25227. Summary of Rumanian provincial press, no. 267, (May 19-24, 1964). June 23, 1964. [2]+a+12 p. 4°  $\Phi$  Paper, 50c.
- 14569 25228. Recent Soviet studies in biochemistry [with bibliography]. June 23, 1964. [2]+a+52 p. il. 4° [From Biokhimiya, v. 29, no. 2, Mar./Apr. 1964.]  $\Phi$  Paper, \$1.50 (TT: 64-31547).
- 14570 25229. USSR industrial development: Soviet tractors and agricultural machinery, no. 129. June 23, 1964. [2]+a+15 p. il. 4°  $\Phi$  Paper, 50c. (OTS: 64-31548).
- 14571 25230. Summary of Bulgarian provincial press, no. 212 (May 6-19, 1964). June 23, 1964. [2]+a-c+7 p. 4°  $\Phi$  Paper, 50c.
- 14572 25231. Translations on Soviet agriculture, no. 30. June 23, 1964. [2]+a-b+73 p. 4°  $\Phi$  Paper, \$2.00.
- 14573 25232. Control system with doubling actuating elements, USSR [with list of references]; by I. T. Borisenok. June 23, 1964. [2]+20 p. 4° [From Vestnik Moskovskogo Universiteta, no. 2, 1964.]  $\Phi$  Paper, 75c. (TT: 64-31549).
- 14574 25233. Effect of radiation on RNA and RNA metabolism in cells of human malignant tumor, USSR [with bibliography]; by Ye. V. Budnitskaya, et al. June 23, 1964. [2]+8 p. 4° [From Voprosy meditsinskoy khimii, v. 10, no. 2, 1964.]  $\Phi$  Paper, 50c. (TT: 64-31550).
- 14575 25234. Change in serum protein of patients with chronic radiculitis during treatment with vibration baths, USSR [with bibliography]; by A. Ya. Kreymer. June 23, 1964. [2]+7 p. il. 4° [From Voprosy meditsinskoy khimii, v. 10, no. 2, 1964.]  $\Phi$  Paper, 50c. (TT: 64-31551).
- 14576 25235. Experience in treatment of patients with microwaves, USSR [with bibliography]; by A. N. Obrosof and L. A. Skurikhina. June 23, 1964. [2]+10 p. il. 4° [From Klinicheskaya meditsina, v. 42, no. 4, Apr. 1964.]  $\Phi$  Paper, 50c. (TT: 64-31552).
- 14577 25236. USSR scientific abstracts: Chemistry and metallurgy, no. 12. June 23, 1964. [2] p.+a+97 leaves, il. 4°  $\Phi$  Paper, \$2.25 (OTS: 64-31553).
- 14578 25237. Translation of political and sociological information on North Vietnam, no. 86. June 23, 1964. [2]+a+92 p. 4°  $\Phi$  Paper, \$2.25.
- 14579 25238. Translations on Cuba, no. 151. June 23, 1964. [2]+a+81 p. 4°  $\Phi$  Paper, \$2.25.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C., Unless Otherwise Indicated



# AUGUST 1964

- 14580 25239. Translations on Africa, no. 62. June 23, 1964. [2]+a+38 p. 4°  
    Φ Paper, \$1.00.
- 14581 25240. Press reports on French military and nuclear developments. June 23,  
    1964. [2]+24 p. 4° Φ Paper, 75c.
- 14582 25241. Vestnik [Akademii Meditsinskikh Nauk SSSR (Herald of) Academy of  
    Medical Sciences USSR], v. 19, no. 5, 1964. June 23, 1964. [2]+  
    a-b+151 p. ll. 4° Φ Paper, \$3.00 (TT: 64-31554).
- 14583 25242. Translations on East European industries, no. 274. June 23, 1964. [2]  
    +a+51 p. ll. 4° Φ Paper, \$1.50.
- 14584 25243. Index of La Stampa and La Stampa sera, no. 213 (June 8-14, 1964).  
    June 26, 1964. [2]+10 p. 4° Φ Paper, 50c.  
    L.C. card 58-60868
- 14585 25244. Translations on international Communist developments, no. 617. June 26,  
    1964. [2]+a-b+60 p. 4° Φ Paper, \$1.75.
- 14586 25245. Political translations on Eastern Europe, no. 119. June 26, 1964. [2]+  
    a+65 p. 4° Φ Paper, \$1.75.
- 14587 25246. Translations of political and sociological information on North Vietnam,  
    no. 87. June 26, 1964. [2]+a+90 p. 4° Φ Paper, \$2.25.
- 14588 25247. Translations on economic organization and management in Eastern  
    Europe, no. 345. June 26, 1964. [2]+a+101 p. 4° Φ Paper, \$2.50.
- 14589 25248. Translations on East European agriculture, forestry, and food industries,  
    no. 271. June 26, 1964. [2]+a+38 p. ll. 4° Φ Paper, \$1.00.
- 14590 25249. Translations on East European service industries, no. 275. June 26,  
    1964. [2]+a+51 p. ll. 4° Φ Paper, \$1.50.
- 14591 25250. Protection of grain products from radioactive, chemical and bacterial sub-  
    stances discussed, USSR; by V. I. Averbuch and I. Z. Berlin. June 26,  
    1964. [2]+14 p. ll. 4° [From Kak zaschitit' khlebo produktov  
    radioaktivnykh, khimicheskikh veshchestv i bakterial'nykh sredstv,  
    1963.] Φ Paper, 50c. (TT: 64-31555).
- 14592 25251. State of hemopoietic tissue in acute radiation sickness under conditions  
    of bone marrow transplantation, USSR [with bibliography]; by N. S.  
    Rozanova et al. June 26, 1964. [2]+14+11 p. ll. 4° [From  
    Arkhiv patologii, v. 26, no. 4, 1964.] Φ Paper, 50c. (TT: 64-31556).
- 14593 25252. Current data on structure, properties and pathological changes of elastic  
    structures, USSR [with bibliography]; by L. D. Zherebtsov. June 26,  
    1964. [2]+22 p. ll. 4° [From Arkhiv patologii, v. 26, no. 4, 1964.]  
    Φ Paper, 75c. (TT: 64-31557).
- 14594 25253. Studies in agricultural fertilization, USSR [articles]. June 26, 1964.  
    [2]+a+20 p. ll. 4° Φ Paper, 75c. (TT: 64-31558).
- 14595 25254. Conferences in Soviet bloc, no. 4. June 26, 1964. [2]+a-b+84 p. 4°  
    Φ Paper, \$2.25 (TT: 64-31559).
- 14596 25255. East European scientific abstracts: Physics and mathematics, no. 28.  
    June 26, 1964. [2] p.+a+4 leaves, 4° Φ Paper, 50c. (TT: 64-  
    31560).
- 14597 25256. Translations on Africa, no. 63. June 26, 1964. [2]+a+132 p. ll. 4°  
    Φ Paper, \$2.75.
- 14598 25257. Sociological translations on Eastern Europe, no. 231. June 26, 1964.  
    [2]+a+14 p. 4° Φ Paper, 50c.
- 14599 25258. USSR industrial development: Soviet chemical industry, no. 163. June 26,  
    1964. [2]+a+18 p. 4° Φ Paper, 50c. (TT: 64-31561).
- 14600 25259. East European scientific abstracts: Chemistry, no. 35. June 26, 1964.  
    [2] p.+a+11 leaves, 4° Φ Paper, 50c. (TT: 64-31562).
- 14601 25260. Summary of Czechoslovak provincial press, no. 265 (Apr. 25-May 1,  
    1964). June 26, 1964. [2]+a-b+14 p. 4° Φ Paper, 50c.  
    L.C. card 59-60695
- 14602 25261. Translations on economic organization and management in Eastern  
    Europe, no. 346. June 26, 1964. [2]+a+32 p. ll. 4° Φ Paper, \$1.00.
- 14603 25262. Translations on East European materials industries, no. 171. June 26,  
    1964. [2]+a+12 p. 4° Φ Paper, 50c.
- 14604 25263. Translations on Communist China's science and technology, no. 93.  
    June 26, 1964. [2]+a+13 p. 4° Φ Paper, 50c. (TT: 64-31563).
- 14605 25264. USSR industrial development: Soviet nonferrous metallurgy, no. 94.  
    June 26, 1964. [2]+a+8 p. 4° Φ Paper, 50c. (TT: 64-31564).
- 14606 25265. Summary of Polish provincial press, no. 346 (June 9-15, 1964). June 26,  
    1964. [2]+a-b+38 p. 4° [Includes list of newspaper sources.]  
    Φ Paper, \$1.25.  
    L.C. card 58-60883
- 14607 25266. Translations of Pravda editorials, USSR, no. 282 (June 18 and 19, 1964).  
    June 26, 1964. [2]+a+8 p. 4° Φ Paper, 50c.
- 14608 25267. Translations on Communist China's science and technology, no. 94 [with  
    bibliographies]. June 29, 1964. [2]+a+80 p. ll. 4° Φ Paper, \$2.25  
    (TT: 64-31565).
- 14609 25268. Translations on North Vietnam's economy, no. 108. June 29, 1964.  
    [2]+a+34 p. 4° Φ Paper, \$1.00.
- 14610 25269. Translations on economic organization and management in Eastern  
    Europe, no. 347. June 29, 1964. [2]+a+19 p. 4° Φ Paper, 75c.
- 14611 25270. Translations on East European agriculture, forestry, and food industries,  
    no. 272. June 29, 1964. [2]+a+39 p. 4° Φ Paper, \$1.25.

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

Page 61

# GOVERNMENT PUBLICATIONS

## JPRS (series)—Continued

- 14612 25271. Changes in human morphological arterioplasty with lavsan prosthesis, USSR [with bibliography]; by A. A. Kurygin. June 29, 1964. [2]+12 p. il. 4° [From Vestnik khirurgii, v. 29, no. 3, 1964.]  $\Phi$  Paper, 50c. (TT: 64-31566).
- 14613 25272. First group flight into outer space, Aug. 11-15, 1962 [with list of literature]; edited by N. M. Sisakyan and V. I. Yazdovskiy. June 29, 1964. [2]+a-b+168 p. il. 4°  $\Phi$  Paper, \$3.00 (TT: 64-31567).
- 14614 25273. Questions of statistics of prime cost of industrial production, USSR; by D. I. Vaynshtenker. June 29, 1964. [2]+a-b+178 p. 4°  $\Phi$  Paper, \$3.00 (TT: 64-31568).
- 14615 25274. Anti-ray effect on gallates under conditions of irradiation with 1000 roentgens, USSR [with bibliography]; by V. A. Baraboy. June 29, 1964. [2]+7 p. il. 4° [From Fiziolohichnyy zhurnal Akademiyi Nauk Ukrayins'koyi RSR, v. 10, no. 1, 1964.]  $\Phi$  Paper, 50c. (TT: 64-31569).
- 14616 25275. Influence of gravitational overloads on arterial system of extremity nerves, USSR [with bibliography]; by V. A. Otellin. June 29, 1964. [2]+7 p. 4° [From Arkhiv anatomii gistologii i embriologii, v. 46, no. 4, 1964.]  $\Phi$  Paper, 50c. (TT: 64-31570).
- 14617 25276. Chemotherapy of tumors, USSR; by S. Navashin. June 29, 1964. [2]+4 leaves, 4° [From Meditsinskaya Gazeta, Jan. 10, 1964.]  $\Phi$  Paper, 50c. (TT: 64-31571).
- 14618 25277. Peculiarities of course of radiation sickness in mice subjected to treatment with marrow and by immunization, USSR [with bibliography] by O. P. Lebedeva and N. A. Maksimovich. June 29, 1964. [2]+7 p. il. 4° [From Doklady Akademii Nauk SSSR, v. 155, no. 2, 1964.]  $\Phi$  Paper, 50c. (TT: 64-31572).
- 14619 25278. Translations on Cuba, no. 152. June 29, 1964. [2]+a-b+132 p. 4°  $\Phi$  Paper, \$2.75.
- 14620 25279. Studies on metabolism and adrenal glands, USSR [with bibliographies]. June 29, 1964. [2]+a+14 p. 4° [From Problemy endokrinologii i gormonoterapii, v. 10, no. 3, May/June 1964.]  $\Phi$  Paper, 50c. (TT: 64-31573).
- 14621 25280. Programmed instruction and prospects for its introduction, USSR; by M. Y. Rozenberg. June 29, 1964. [2]+8 p. 4° [From Radyans'ka shkola, v. 42, no. 5, 1963.]  $\Phi$  Paper, 50c.
- 14622 25281. Certain pentavalent chromium complexes as investigated by means of electron-spin resonance, USSR [with bibliographic citations]; by N. S. Garif'yanov. June 29, 1964. [2]+6 p. il. 4° [From Doklady Akademii Nauk SSSR, v. 155, no. 2.]  $\Phi$  Paper, 50c. (TT: 64-31574).
- 14623 25282. Stability of functionally heterogenous portions of DNA to ionizing radiations, USSR [with bibliographical citations]; by G. Ye. Fradkin. June 29, 1964. [2]+7 p. il. 4° [From Doklady Akademii Nauk SSSR, v. 155, no. 2, 1964.]  $\Phi$  Paper, 50c. (TT: 64-31575).
- 14624 25283. Translations on Communist China's science and technology, no. 95. June 29, 1964. [2]+a+37 p. 4°  $\Phi$  Paper, \$1.00 (TT: 64-31576).
- 14625 25284. Translations on East European agriculture, forestry, and food industries, no. 273. June 29, 1964. [2]+a+19 p. 4°  $\Phi$  Paper, 75c.
- 14626 25285. Soviet articles on budgetary and financial problems. June 29, 1964. [2]+a+117 p. 4° [From Finansy SSSR, Dec. 1963-Mar. 1964.]  $\Phi$  Paper, \$2.50.
- 14627 25286. Scientific conferences on automatic teaching, USSR. June 29, 1964. [2]+5 leaves, 4° [From Avtomatyka, v. 8, no. 4.]  $\Phi$  Paper, 50c. (TT: 64-31577).
- 14628 25287. Problems of space biology, USSR [with bibliographies]; edited by N. M. Sisakyan and V. I. Yazdovskiy. June 29, 1964. [2]+a-d+551 p. il. 4°  $\Phi$  Paper, \$7.00 (TT: 64-31578).
- 14629 25288. Automation of continuous furnaces, USSR; by S. A. Malyy. June 30, 1964. [2]+37 p. il. 4° [From Avtomatizatsiya metodicheskikh pechey, 1962.]  $\Phi$  Paper, \$1.00 (TT: 64-31579).
- 14630 25289. Studies in Soviet metallurgy [articles, with lists of literature]. June 30, 1964. [3]+20 p. il. 4° [From Trudy Instituta Metallurgii imeni A. A. Baykova, issue 6, Metallurgiya, metallovideniye, Fiziko-khimicheskiye metody issledovaniye, 1960.]  $\Phi$  Paper, 75c. (TT: 64-31580).
- 14631 25290. USSR industrial development: Soviet chemical industry, no. 164. June 30, 1964. [2]+a+18 p. 4°  $\Phi$  Paper, 50c. (TT: 64-31581).
- 14632 25291. Problems in control theory, USSR [articles, with lists of references]. June 30, 1964. [2]+a+12 p. 4° [From Doklady Akademii Nauk SSSR, v. 155, no. 2, 1964.]  $\Phi$  Paper, 50c. (TT: 64-31582).
- 14633 25292. Summary of Hungarian provincial press, no. 316 (Apr. 28-May 4, 1964). June 30, 1964. [2]+a-d+34 p. 4°  $\Phi$  Paper, \$1.00. L.C. card 58-60912
- 14634 25293. Comprehensive restorative therapy and training of personnel in neuro-surgical care system, USSR [articles]. June 30, 1964. [2]+a+8 p. 4° [From Voprosy neyrokhirurgii, v. 28, no. 2, 1964.]  $\Phi$  Paper, 50c. (TT: 64-31583).
- 14635 25294. Glassy state, USSR [articles]; edited by L. V. Yegorov. June 30, 1964. [2]+a-e+74 p. 4°  $\Phi$  Paper, \$2.25 (TT: 64-31584).

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



## AUGUST 1964

- 14636 25295. Psychology in Soviet Union [articles, with lists of quoted literature]. June 30, 1964. [2]+a+64 p. 4° [From Voprosy psikhologii, v. 10, no. 2, 1964.] Φ Paper, \$1.75 (TT: 64-31585).
- 14637 25296. Translations on Cuba, no. 153. June 30, 1964. [2]+a-b+52 p. 4° Φ Paper, \$1.50.
- 14638 25297. Studies in microbiology, epidemiology and immunobiology, USSR [with bibliographies]. June 30, 1964. [2]+a-b+89 p. il. 4° [From Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 5, May 1964.] Φ Paper, \$2.25 (TT: 64-31586).
- 14639 25298. Soviet economic system, current developments, no. 38. June 30, 1964. [2]+a-b+13 p. 4° Φ Paper, 50c.
- 14640 25299. Translation of Pravda editorials, USSR, no. 283 (June 26, 1964). June 30, 1964. [2] p.+4 leaves, 4° Φ Paper, 50c.
- 14641 25300. Translations on Communist China's trade, finance, transportation and communications, no. 103. June 30, 1964. [2]+a+41 p. il. 4° Φ Paper, \$1.25.
- 14642 25301. Summary of Rumanian provincial press, no. 268 (May 20-31, 1964). June 30, 1964. [2]+a+21 p. 4° [Includes list of sources.] Φ Paper, 75c.
- 14643 25302. Translations on Communist China's industry, mining, fuels and power, no. 70. June 30, 1964. [2]+a+8 p. 4° Φ Paper, 50c.
- 14644 25303. Translations on Communist China's science and technology, no. 96. June 30, 1964. [2]+a+15 p. 4° Φ Paper, 50c. (TT: 64-31587).
- 14645 25304. Fundamentals of organization of material-technical supply and material balances, USSR; by P. V. Furduev and P. P. Karpov. June 30, 1964. [2]+23 p. 4° [From Material'nyye balansy v narodnokhozyaystvennom, 1960.] Φ Paper, 75c.
- 14646 25305. Abstracts from East European legal journals, no. 215 (Bulgaria). June 30, 1964. [2]+9 p. 4° Φ Paper, 50c.
- 14647 25306. Translations on East European service industries, no. 276. June 30, 1964. [2]+a+12 p. il. 4° Φ Paper, 50c.
- 14648 25307. Transmission of information by extraterrestrial civilizations, USSR [with bibliography]; by N. S. Kardeshev. June 30, 1964. [2]+9 p. il. 4° [From Astronomicheskii zhurnal, Mar.-Apr. 1964.] Φ Paper, 50c. (TT: 64-31588).
- 14649 25308. Summary of Czechoslovak provincial press, no. 266 (May 2-8, 1964). June 30, 1964. [2]+a-b+9 p. 4° Φ Paper, 50c.  
L.C. card 59-60695
- 14650 25309. Discussion of problems of irrigation and land reclamation at February plenum of Central Committee CPSU, USSR. June 30, 1964. [2]+23 p. 4° [From Gidrotekhnika i melioratsiya, no. 4, 1964.] Φ Paper, 75c. (TT: 64-31589).
- 14651 25310. Translations on USSR consumer goods and domestic trade, no. 54. June 30, 1964. [2]+a+32 p. 4° Φ Paper, \$1.00.
- 14652 25311. USSR industrial development: Soviet electrical equipment, no. 91. June 30, 1964. [2]+a-b+41 p. il. 4° Φ Paper, \$1.25 (TT: 64-31590).
- 14653 25312. Communist Chinese scientific abstracts, no. 57. June 30, 1964. [2] p.+a-b+45 leaves, 4° Φ Paper, \$1.25 (TT: 64-31591).
- 14654 25313. Translations on North Vietnam's economy, no. 109. June 30, 1964. [2]+a+43 p. 4° Φ Paper, \$1.25.
- 14655 25314. Translations of political and sociological information on Communist China, no. 172. June 30, 1964. [2]+a-b+105 p. 4° Φ Paper, \$2.50.
- 14656 25315. Translations on Communist China's agriculture, animal husbandry and materials, no. 99. June 30, 1964. [2]+a+69 p. 4° Φ Paper, \$2.00.
- 14657 25316. Translations on international Communist developments, no. 618. June 30, 1964. [2] p.+a-b+151 p. 4° Φ Paper, \$3.00.
- 14658 25317. Indonesian press survey, no. 59 (final issue: May 12-June 5, 1964). June 30, 1964. [2] p.+a-b+24 p. Φ Paper, 75c.
- 14659 25318. Soviet-bloc research in geophysics, astronomy, and space. See Appendix entry in February monthly catalog.

### JUSTICE DEPARTMENT

- 14660 Official opinions of Attorneys General, v. 41, Jan. 1, 1949-Dec. 31, 1960; edited by Vida Ord Alexander. 1963 [published 1964]. xxx+622 p. [Includes opinions dated Oct. 3, 1928, Apr. 24, 1936, Sept. 20, 1940, June 7, 1947, Jan. 20, 1948, Aug. 24, 1948, Oct. 4, 1948, and Oct. 11, 1948. Also issued as II. doc. 488, 87th Cong., 2d sess.]. \* Cloth, \$2.75. ● Item 718  
L.C. card 12-40693 J 1.5: 41

### LABOR DEPARTMENT

- 14661 Address by Secretary of Labor W. Willard Wirtz at keel-laying of U.S.S. Samuel Gompers, Puget Sound Naval Shipyard, Bremerton, Wash., July 9, 1964. [1964.] 3 leaves, 4° † L 1.13: W 74/52

\*For Sale by Superintendent of Documents  
 ΦFor Sale by OTS, Commerce Dept.  
 ●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
 Unless Otherwise Indicated



# GOVERNMENT PUBLICATIONS

- 14662 Challenge of automation, address by Secretary of Labor W. Willard Wirtz before Sidney Hillman Foundation Lecture, University of Rochester, Apr. 3, 1963. [1964.] 26 leaves, 4° ([S 64-908.]) † L 1.13: W 74/49
- Demonstration notes, experimental and demonstration manpower programs. † L 1.45/2: (nos.)
- 14663 2. Testing untestables. June 1964. 4 p. 4° (Office of Manpower Automation and Training.)
- 14664 3. Volunteers and rural poverty. July 1964. 4 p. 4° (Office of Manpower, Automation and Training.)
- 14665 Excerpts from remarks by Secretary of Labor W. Willard Wirtz at Evanston High School, Evanston, Ill., Feb. 11, 1964. [1964.] 4 leaves, 4° † L 1.13: W 74/50
- 14666 Excerpts of remarks by Secretary of Labor W. Willard Wirtz at dinner meeting of Mid-Ohio Technical Society, Parkersburg, W. Va., Oct. 23, 1963. [1963.] 8 leaves, 4° † L 1.13: W 74/51
- 14667 [This entry number not used.]
- 14668 Labor-management reporting and disclosure act of 1959 (73 Stat. 519-541, 29 U.S.C. 401-531). [1964.] 21 p. 4° † ● Item 746-E L 1.47: L 11
- 14669 New policy against discrimination in employment on basis of age by Federal contractors and subcontractors under the President's Executive order 11141, Feb. 12, 1964. [1964.] [6] p. il, narrow 8° † ● Item 745 L 1.2: Ag 3/2

## LABOR STANDARDS BUREAU, Labor Dept.

- Bulletins. ● Item 763 L 16.3: (nos.)
- 14670 138. Time off for voting under State laws; [prepared in Legislative Standards Branch, Division of State Services]. 1964 revision. [1964.] cover title, 21 p. oblong 12° † L.C. card L 51-100
- 14671 262. Federal labor laws and programs, layman's guide; [by Ora G. Mitchell]. Mar. 1964. vi+180 p. [Replaces Bulletin 123, Federal labor laws and agencies, 1957, and supplement, 1960.] \* Paper, 55c. L.C. card L 50-118
- 14672 Community's interest in health and safety of health workers, remarks of William A. Sawyer, International Association of Machinists, Washington, D.C., before Conference Workshop, How safe are health workers? June 23, 1964. [1964.] 6 leaves, 4° (News from President's Conference on Occupational Safety.) † L 16.15: Sa 9
- Fact sheet (series). (Division of State Services.) † L 16.50: (nos.)
- 14673 4-A. Brief summary of State minimum wage laws. May 1964. cover title, 8 leaves, 4°
- 14674 9. State occupational safety and health legislation. Apr. 1964. cover title, [1] + 11 leaves, 4°
- 14675 9-B. Brief summary of State laws and regulations for control of radiation hazards. May 1964. cover title, 9 leaves, 4°
- 14676 Human aspects of accident barrier, introduction by Leon Brody, Director of Research, Center for Safety Education, New York University, New York City, before final plenary session, June 25, 1964. [1964.] 2 leaves, 4° (News from President's Conference on Occupational Safety.) † L 16.15: B 78
- 14677 Implications of changing technology for training of people [by] Seymour L. Wolfbein, deputy manpower administrator and director, Office of Manpower, Automation and Training, Department of Labor, June 23, 1964, [with list of references]. [1964.] 14 leaves, 4° (News from President's Conference on Occupational Safety.) † L 16.15: W 83

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C., Unless Otherwise Indicated

# AUGUST 1964

- 14678 International exchange of statistics on occupational accidents, remarks of Henri P. Lacroix, Assistant Chief, Division of Statistics, International Labour Office, Geneva, Switzerland, before conference workshop, Using records to prevent accidents, June 23, 1964. [1964.] 4 leaves, 4° (News from President's Conference on Occupational Safety.) †  
L 16.15: L 11
- 14679 Records as tools for safety action, remarks of Eugene N. Pollock, president, Industrial Group Service, Inc., New York City, before conference workshop, Using records to reduce accidents, June 23, 1964. [1964.] 5 leaves, 4° (News from President's Conference on Occupational Safety.) †  
L 16.15: P 76
- 14680 Records program of large company, remarks of George F. Nuernberger, superintendent, safety, Kaiser Steel Corporation, Fontana, Calif., before conference workshop, Using accident records to prevent accidents, June 23, 1964. [1964.] 3 leaves, 4° (News from President's Conference on Occupational Safety.) †  
L 16.15: N 88
- 14681 Remarks of Marie Scotti, manager, communication services, Maxwell House, division of General Foods Corporation, Hoboken, N.J., before conference workshop, Off-the-job safety as element of total safety, June 24, 1964. [1964.] [4] leaves, 4° (News from President's Conference on Occupational Safety.) †  
L 16.15: Sco 8
- 14682 Safety design considerations for layout of facilities, placement of equipment, and production processes, remarks of Thomas H. McBrien, supervisor of safety, Westinghouse Electric Corporation, Baltimore, Md., before conference workshop, Safety through design, June 24, 1964. [1964.] 8 leaves, 4° (News from President's Conference on Occupational Safety.) †  
L 16.15: M 12
- 14683 Suggested language for State wage payment and wage collection law. Nov. 1962. 8 leaves, 4° [Explanatory memorandum, 7 leaves, was issued also.] †  
L 16.6/2: W 12/2
- 14684 Vocational restoration, teamwork approach, remarks of Harold Russell, chairman, President's Committee on Employment of the Handicapped, at 1964 annual Tri-Organizational National Scientific and Clinical Conference, Pittsburgh, Pa., July 13, 1964. [1964.] 8 leaves, 4° (President's Committee on Employment of the Handicapped.) †  
L 16.44/3: R 91

## LABOR STATISTICS BUREAU, Labor Dept.

### BLS reports.

L 2.71: (nos.)

- 14685 229, supp. 1. Summary of manufacturing earnings series, 1939-64. June 1964. [3] p. 4° †  
L.C. card L 62-84
- 14686 237-37. Consumer expenditures and income: Urban places in western region, 1960-61. May 1964. 23 p. 4° (Survey of consumer expenditures, 1960-61.) [Includes Supplement 1, 16 p., dated May 1964.] †  
● Item 768-G  
L.C. card L 63-18
- 14687 237-87. Same: Rural nonfarm areas in western region, 1961. June 1964. 13 p. 4° (Survey of consumer expenditures, 1960-61; USDA report CES-9.) [Includes Supplement 1, 6 p., dated June 1964.] †  
L.C. card L 63-18
- 14688 245. Wage chronology: Western Greyhound Lines, 1945-63. May 1964. vi+40+[1] p. [Includes Material previously published as Wage chronology 30, covering period 1945-53, and Supplement 1, 1945-63.] \* Paper, 30c. ● Item 768-G
- 14689 255. Wage chronology: Anthracite mining industry, 1930-59. [1964.] cover title, ii+12+[1] p. 4° [Includes materials previously published as Wage chronology 30, covering period 1930-51; Supplement 1, 1952-55; Supplement 2, 1956-57; and Supplement 3, 1958-59.] †  
L.C. card L 64-74

\*For Sale by Superintendent of Documents

‡For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# GOVERNMENT PUBLICATIONS

## BLS reports—Continued

- 14690 268. Labor law and practice in Taiwan (Formosa) [with list of sources of information regarding labor in Taiwan; by Michael B. Zuzik]. [Apr. 1964.] cover title, iv+72 p. il. 4° \* Paper, 45c. ● Item 768-G  
L.C. card L 64-68
- 14691 278. Injury rates by industry, 1958-60; [prepared in Bureau's Division of Industrial Hazards]. [Revised edition.] June 1964. [1]+15 p. 4° †  
L.C. card L 64-70
- Bulletins.** L 2.3: (nos.)
- 14692 1375-23. Employment outlook for pharmacists. [1964.] 4 p. il. 4° (Occupational outlook report series.) [Reprint from 1963-64 Occupational outlook handbook.] \* Paper, 5c.
- 14693 1380-7. Employee earnings in miscellaneous retail stores, June 1962, drug stores and proprietary stores; [prepared by Alvin Bauman and Joseph K. Cocco]. May 1964. vi+53 p. 4° \* Paper, 40c. ● Item 768  
L.C. card L 64-8
- 14694 1385. Occupational wage survey: South Bend, Ind., Mar. 1964; [prepared by Marvin Glick]. May 1964. iii+28 p. oblong 8° \* Paper, 25c. ● Item 768  
L.C. card L 49-125
- 14695 1385-52. Same: Albany-Schenectady-Troy, N.Y., Mar. 1964; [prepared by Jesse Benjamin]. June 1964. iii+30 p. oblong 8° \* Paper, 25c. ● Item 768  
L.C. card L 49-125
- 14696 1385-54. Same: Phoenix, Ariz., Mar. 1964; [prepared by Robert L. Orr]. June 1964. iii+28 p. oblong 8° \* Paper, 25c. ● Item 768  
L.C. card L 49-125
- 14697 1385-55. Same: Charlotte, N.C., Apr. 1964; [prepared by James D. Garland]. June 1964. iii+28 p. oblong 8° \* Paper, 25c. ● Item 768  
L.C. card L 49-125
- 14698 1385-56. Same: Milwaukee, Wis., Apr. 1964; [prepared by Marvin Glick]. June 1964. iii+28 p. oblong 8° \* Paper, 25c. ● Item 768  
L.C. card L 49-125
- 14699 1385-57. Same: Charleston, W. Va., Apr. 1964; [prepared by Adrien D. Picard]. June 1964. iii+28 p. oblong 8° \* Paper, 25c. ● Item 768  
L.C. card L 49-125
- 14700 1385-58. Same: Cincinnati, Ohio-Ky., Mar. 1964; [prepared by Donald J. McNulty]. July 1964. iii+30 p. oblong 8° \* Paper, 25c. ● Item 768  
L.C. card L 49-125
- 14701 1398. Union wages and hours: Motortruck drivers and helpers, July 1, 1963, and trend 1936-63; [prepared by John F. Lacikey]. May 1964. iv+31 p. 4° \* Paper, 25c. ● Item 768  
L.C. card L 40-146
- 14702 1399. Union wages and hours: Printing industry, July 1, 1963 and trend 1907-63; [prepared by Thomas C. Mobley]. May 1964. v+40 p. 4° \* Paper, 30c. ● Item 768
- 14703 1404. Labor and material requirements for private one-family house construction; [prepared by Herman J. Rothberg]. June 1964. vi+37 p. il. 4° \* Paper, 30c. ● Item 768  
L.C. card L 64-72
- 14704 1405. Health and insurance benefits and pension plans for salaried employees, spring 1963; [by Joseph W. Bloch and others]. May 1964. v+13 p. 4° \* Paper, 20c. ● Item 768  
L.C. card L 64-69
- 14705 1412. Employment of scientific and technical personnel in State government agencies, 1962; [by William L. Copeland with assistance of Jack Golomb]. June 1964. vii+77 p. 4° \* Paper, 50c. ● Item 768  
L.C. card 64-73
- 14706 1413. Employer expenditures for selected supplementary compensation practices for production and related workers, meatpacking and processing industries, 1962; [prepared by Arnold Strasser]. June 1964. iv+23 p. il. 4° \* Paper, 25c. ● Item 768  
L.C. card L 64-71
- 14707 Data for measurement of industrial productivity in United States; by Leon Greenberg. Mar. 1964. [1]+38 p. 4° [Prepared at request of Organization for Economic Co-operation and Development in connection with their Global Productivity Measurement Project.] †  
L.C. card L 64-76 L 2.2: In 27/8
- 14708 Facts of poverty, [address] by Ewan Clague, commissioner of labor statistics, Department of Labor before National Social Welfare Asesmblly spring meeting, New York, N.Y., Apr. 10, 1964. [1964.] 13 p. 4° †  
L 2.26: C 51/100

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# AUGUST 1964

- Monthly labor review, reprints. † L2.6/a: (nos.)
- 14709 2439. Special labor force report; no. 41, Employment of high school graduates and dropouts in 1963; [by] Vera C. Perrella. 522-529+9 p. 4° [From May 1964 issue.]
- 14710 2440. Employment impact of changing defense programs; [by] Joseph F. Fulton. [1964.] p. 508-516, 4° [From May 1964 issue.]
- 14711 Occupational earnings in major labor markets, 1963-64, summary release, no. 2 of 3 (26 areas). June 1964. 8 p. 4° † L2.86: 963-64/no.2
- 14712 Purchasing power of dollar based on wholesale price index, annual averages, 1890-1963, all commodities. [1964.] 3 p. oblong 12° † L 2.2: P 97/3
- 14713 Relationship of automation, productivity, and employment, current developments in United States, [paper presented] by Leon Greenberg, assistant commissioner, Bureau of Labor Statistics, Department of Labor, before Interstate Conference on Labor Statistics, Miami, Fla., June 16-19, 1964. [1964.] 10 leaves, 4° † L 2.26: G 82/5

## LAKE SURVEY (Army), Defense Dept.

- 14714 Supplement 3, July 1964, corrections and additions to 1964 Great Lakes pilot. [1964.] cover title, 12 leaves, 4° † U.S. Army Engineer District, 630 Federal Bldg., Detroit 26, Mich. D 103.203: 964/supp.3
- L.C. card 6-7112

## LIBRARY OF CONGRESS

- 14715 African music, briefly annotated bibliography; compiled by Darius L. Thieme. 1964. xxvi+55 p. il. 4° (Reference Department, Music Division.) \* Paper, 45c. ● Item 813 LC 12.2: Af 8
- L.C. card 64-60046
- 14716 Descriptive list of treasure maps and charts [in Library of Congress]: compiled by Richard S. Ladd. 1964. vii+29 p. 4° (Reference Department, Map Division.) \* Paper, 30c. ● Item 811-A LC 5.2: T 71/964
- L.C. card 64-60033
- 14717 Israel, accessions list. (Public law 480 project; American Libraries Book Procurement Center, Tel-Aviv.) [Monthly. Author index issued in June and December. Cumulative list of titles issued semi-annually beginning Jan. 1965.] † (Libraries only). LC 1.30/4: v.nos. & nos.)
- v. 1, no. 1— Apr. 1964—
- 14718 Library of Congress catalog, music and phonorecords, cumulative list of works represented by Library of Congress printed cards, 1963; [compiled and edited by Catalog Maintenance Division]. 1964. v+473 p. 4° [Semiannual, with annual and quinquennial cumulations.] † Paper, \$4.50 (Semiannual issue and annual cumulations), Card Division. LC 30.8/6: 963/2
- L.C. card 53-60012
- 14719 New serial titles, union list of serials commencing publication after Dec. 31, 1949, supplement to Union list of serials, 3d edition, 1963 cumulation; prepared under sponsorship of Joint Committee on Union List of Serials. 1964. xii+2035 p. 4° [Supersedes 1962 volume.] † Cloth, \$76.25 a yr. (monthly issues and cumulative annual volume); annual volumes for 1961 and later are not sold separately, Card Division. LC 1.23/4: 963
- L.C. card 53-60021 rev. 3
- 14720 Proceedings of 3d assembly on library functions of States, held Nov. 13-15, 1963; edited by Mary A. McKenzie. 1964. vi+103 p. il. 4° (Exchange and Gift Division, Processing Department.) † Exchange and Gift Division, Library of Congress (available to libraries and institutions only). LC 30.14: 964
- L.C. card 59-60924

\*For Sale by Superintendent of Documents

‡For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

Page 67

# GOVERNMENT PUBLICATIONS

## MARINE CORPS (Navy), Defense Dept.

- 14721 Marine Corps uniform regulations [Change 1]; Nov. 4, 1963. [1963.] [125] p. il. 4° (MCO P 1020.34A. Ch. 1.) [Issued in loose-leaf form.] \* Paper, 65c. D 214.6: Un 3/ch.1
- 14722 — [Change 2]; Feb. 7, 1964. [1964.] [116] p. il. 4° (MCO P 1020.34A Ch. 2.) [Issued in loose-leaf form.] \* Paper, 60c. D 214.6: Un 3/ch.2

## MARITIME ADMINISTRATION, Commerce Dept.

MA SP (series).

C 39.210/2: (nos.)

- 14723 64-3. Golden Gate to tomorrow's American merchant marine, by Nicholas Johnson, Maritime Administrator, remarks delivered in San Francisco, Calif., June 24, 1964, at Propeller Club Port of San Francisco luncheon. [1964.] 8 p. 4° ([US-DC-COMM-38270.]) †
- 14724 64-4. Challenge constantly renewed, by Nicholas Johnson, Maritime Administrator, Department of Commerce, remarks delivered at commencement exercises of United States Merchant Marine Academy, Kings Point, L.I., N.Y., July 27, 1964. [1964.] 6 p. 4°
- 14725 Merchant fleets of world, seagoing steam and motor ships of 1,000 gross tons and over as of Dec. 31, 1963; [prepared by Office of Statistics]. [May 12, 1964.] [2]+18 p. 4° ([Report MAR-560-20.]) \* Paper, 15c. ● Item 236-B  
L.C. card 59-61277 C 39.212: 963
- 14726 Seafaring wage rates, Atlantic, Gulf and Pacific districts, June 1964; [prepared by Office of Statistics, Division of Labor Data]. [1964.] cover title, [2]+83 p. 4° ([Report MAR-560-1.]) † Commerce Dept. \$1.00.  
L.C. card 64-62128 C 39.202: W 12

## MEDICINE AND SURGERY BUREAU (Navy), Defense Dept.

- 14727 Manual of Medical Department, page change 17; June 8, 1964. [1964.] [12] p. 4° [Issued in loose-leaf form. Includes checklist of pages in effect.] † D 206.8/2: 952/ch.17
- 14728 Summaries of research reported on during 1963; [prepared by Jessie W. Kohl]. [Dec. 31, 1963.] cover title, vi+17 p. 4° (Naval Medical Research Laboratory, Submarine Base, New London, Conn.) †  
L.C. card 54-60661 D 206.17: 963

## MINES BUREAU, Interior Dept.

- 14729 Beryllium; by Donald E. Eilertsen. [1963.] [2]+10 p. [Preprint from Minerals yearbook, 1962, v. 1.] \* Paper, 10c. I 28.37/a: B 463/962
- 14730 Bismuth; by Donald E. Moulds. [1964.] [2]+5 p. [Preprint from Minerals yearbook, 1963, v. 1.] \* Paper, 5c. I 28.37/a: B 542/963
- 14731 Bromine; by William C. Miller. [1964.] [2]+6 p. [Preprint from Minerals yearbook, 1963, v. 1.] \* Paper, 5c. I 28.37/a: B 788/963
- 14732 Cadmium; by H. J. Schroeder. [1964.] [2]+8 p. il. [Preprint from Minerals yearbook, 1963, v. 1.] \* Paper, 10c. I 28.37/a: C 114/963
- 14733 Calcium and calcium compounds; by Clarence O. Babcock. [1964.] [2]+6 p. [Preprint from Minerals yearbook, 1963, v. 1.] \* Paper, 5c. I 28.37/a: C 126/2/963
- 14734 Diatomite; by Benjamin Petkof. [1964.] [2]+5 p. il. [Preprint from Minerals yearbook, 1963, v. 1.] \* Paper, 5c. I 28.37/a: D 543/963

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

# AUGUST 1964

- 14735 Helium; by Harold W. Lipper. [1964.] [2]+9 p. [Preprint from Minerals yearbook, 1963, v. 2.] \* Paper, 10c. I 28.37/a: H 367/963

## Information circulars.

I 28.27: (nos.)

- 14736 8212. Subsurface disposal of industrial wastes in United States [with list of references]; by Erle C. Donaldson. [1964.] [2]+ii+34 p. il. 4° [Based on work done in cooperation with Atomic Energy Commission.] † Mines Bureau, Pittsburgh, Pa. L.C. card 64-61419
- 14737 8216. Oil-shale technology, review [with list of references]; by H. M. Thorne [and others]. [1964.] [3]+24 p. 4° † Mines Bureau, Pittsburgh, Pa. L.C. card 64-62073
- 14738 8218. Research and technologic work on explosives, explosions, and flames, fiscal year 1962; by the staff, Explosives Research Laboratory. [1964.] [2]+ii+36 p. il. 4° † Mines Bureau, Pittsburgh, Pa. L.C. card 58-25417

- 14739 Kyanite and related minerals; by James D. Cooper. [1964.] [2]+5 p. [Preprint from Minerals yearbook, 1963, v. 1.] \* Paper, 5c. I 28.37/a: K 98/963

- 14740 Magnesium; by Lloyd R. Williams and John W. Stamper. [1964.] [2]+10 p. [Preprint from Minerals yearbook, 1963, v. 1.] \* Paper, 10c. I 28.37/a: M 274/2/963

## Petroleum products survey (series). (Mineral industry surveys.) † Mines Bureau, Pittsburgh, Pa.

- 14741 35. Motor gasoline, winter 1963-64; prepared by O. C. Blade. June 1964. cover title, [1]+40 p.+[5] leaves, il. 4° I 28.18/3: 35
- 14742 Petroleum refineries in United States, Jan. 1, 1964; [prepared by Charles E. Hennig]. July 15, 1964. [1]+12 p. 4° (Mineral industry surveys; Petroleum refineries, annual.) † Mines Bureau, Pittsburgh, Pa. L.C. card Int 59-68 I 28.17/2: 964
- 14743 [This entry number not used.]

## Report of investigations.

I 28.23: (nos.)

- 14744 6459. Cost estimates and optimum conditions for continuous-circuit leaching of mercury; by J. W. Town and W. A. Stickney. [1964.] [2]+ii+28 p. il. 4° † Mines Bureau, Pittsburgh, Pa.
- 14745 6460. Secondary oil recovery possibilities, Cow Run Sand, Burning Springs Pool, Wirt County, W. Va. [with list of references]; by James A. Wasson, Harry R. Johnson, and Dean W. Boley. [1964.] [2]+iii+57 p. il. 4° † Mines Bureau, Pittsburgh, Pa.
- 14746 6463. Preparation characteristics of coal from Hancock, Brooke, Ohio, and Marshall Counties, W. Va.; by Albert W. Deurbrouck. 1964. [2]+iii+34 p. il. [Includes list of other reports of investigations on characteristics of coal.] † Mines Bureau, Pittsburgh, Pa.
- 14747 6465. High-level gamma-ray dosimetry at Albany cobalt 60 facility [with list of references]; by Stephen D. Hill and F. E. Block. [1964.] [3]+16 p. il. 4° † Mines Bureau, Pittsburgh, Pa.
- 14748 6466. Continuous flotation of beryl from spodumene mill tailing. Foote Mineral Company, Kings Mountain, N.C.; by James S. Browning, Thomas L. McVay, and Paul E. Bennett. [1964.] [2]+ii+24 p. il. 4° [Based on work done in cooperation with Foote Mineral Company, and University of Alabama.] † Mines Bureau, Pittsburgh, Pa.
- 14749 6467. Synthesis and some properties of fibrous silicon nitride [with list of references]; by Robert C. Johnson, Wilbur H. Warwick, and H. R. Shell. [1964.] [3]+25 p. il. 4° † Mines Bureau, Pittsburgh, Pa.
- 14750 6468. Petrographic study and classification of western phosphate ores [with bibliography]; by C. P. Mabie and H. D. Hess. [1964.] [2]+iv+95 p. il. 4° † Mines Bureau, Pittsburgh, Pa.
- 14751 6469. Expanded investigation of beryllium solvent extraction of Spor Mountain, Utah, ore [with list of references]; by R. O. Jannenberg, Laird Crocker, and D. W. Bridges. [1964.] [2]+ii+31 p. il. 4° † Mines Bureau, Pittsburgh, Pa.
- 14752 6470. Hydrogenation of New Mexico coal at short residence time and high temperature [with list of references]; by Sam Friedman, Raymond W. Hiteshue, and Martin D. Schlesinger. [1964.] [2]+ii+28 p. il. 4° [Based on work done in cooperation with El Paso Natural Gas Co.] † Mines Bureau, Pittsburgh, Pa.
- 14753 6471. Hydraulic fracture treatments in Slade and Clarendon oil reservoirs, Warren County, Pa. [with list of references]; by Robert L. Rough and William E. Eckard. [1964.] [2]+ii+22 p. il. 4° † Mines Bureau, Pittsburgh, Pa.

\*For Sale by Superintendent of Documents

†For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# GOVERNMENT PUBLICATIONS

## Report of investigations—Continued

- 14754 6472. Case study of validity of scaling laws for explosion-generated motion [with list of references]; by Harry R. Nicholls. [1964.] [3]+14 p. il. 4°  
† Mines Bureau, Pittsburgh, Pa.
- 14755 6473. Stainless steel fume hood for safety in use of perchloric acid; by W. E. Dieter, L. Cohen, and M. E. Kundick. [1964.] [3]+12 p. il. 4°  
† Mines Bureau, Pittsburgh, Pa.
- 14756 6474. Methods of analyzing oilfield waters, selenium and tellurium [with list of references]; by A. Gene Collins, Cathy J. Waters, and Cynthia A. Pearson. [1964.] [3]+19 p. il. 4° † Mines Bureau, Pittsburgh, Pa.
- 14757 6475. Perfluorocyclobutane, thermodynamic properties of real gas; by R. H. Harrison and D. R. Douslin. [1964.] [3]+14 p. il. 4° [Based on work done in cooperation with Office of Scientific Research of Air Research and Development Command, Air Force.] † Mines Bureau, Pittsburgh, Pa.
- 14758 6476. Infrared analysis of gases produced during molten salt electrolysis of metals [with list of references]; by J. L. Johnson, G. H. Cobb, and H. H. Heady. [1964.] [3]+11 p. il. 4° † Mines Bureau, Pittsburgh, Pa.
- 14759 6477. Properties of hydraulic backfills and preliminary vibratory compaction tests [with list of references]; by David E. Nicholson and William R. Wayment. [1964.] [2]+iv+31 p. il. 4° † Mines Bureau, Pittsburgh, Pa.
- 14760 6478. Manganese resources of Batesville District, Ark.; 3. Field investigations. July 1956–June 1961 [with list of references]; by R. B. Stroud. [1964.] [2]+il+50 p. il., 2 maps in pocket, 4° † Mines Bureau, Pittsburgh, Pa.
- 14761 6480. Electrical resistivity of cerium metal from 4° to 300° K [with list of references]; by R. D. Smith and E. Morrice. [1964.] [3]+13 p. il. 4° † Mines Bureau, Pittsburgh, Pa.
- 14762 6481. Smelting copper reverberatory slags to recover iron of low copper and sulfur content [with list of references]; by V. E. Edlund. [1964.] [3]+14 p. il. 4° † Mines Bureau, Pittsburgh, Pa.
- 14763 6487. Design requirements for instrumentation to record vibrations produced by blasting [with list of references]; by Wilbur I. Duvall. [1964.] [3]+7 p. il. 4° † Mines Bureau, Pittsburgh, Pa.
- 14764 6494. Study of feasibility of using nuclear explosions to increase petroleum recovery [with list of references]; by Charles H. Atkinson and Robert T. Johansen. [1964.] [3]+18 p. il. 4° [Based on work done in cooperation with Atomic Energy Commission.] † Mines Bureau, Pittsburgh, Pa.
- 14765 Strontium; by Clarence O. Babcock. [1964.] [2]+3 p. [Preprint from Minerals yearbook, 1963, v. 1.] \* Paper, 5c. I 28.37/a: St 89/963
- 14766 Sulfur in 1963, final annual figures; prepared by C. O. Babcock. June 26, 1964. 7 p. 4° (Mineral industry surveys; Sulfur, annual.) † Mines Bureau, Pittsburgh, Pa. I 28.63/2: 963

## NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

### NASA contractor report CR (series).

NAS 1.26: (nos.)

- 14767 36. Experimentally determined model for periodic character of winds from 85 to 135 km [with list of references]; by E. Manring [and others]. July 1964. cover title, [1]+il+110+[1] p. il. 4° [Prepared under contract NASw-712 by Geophysics Corporation of America, Bedford, Mass.] † Paper, \$2.50.
- 14768 37. Finite element solution for thin shells of revolution [with bibliography]; by Z. A. Lu, J. Penzien, and E. P. Popov. July 1964. cover title, vi+76 p. il. 4° [Prepared under grant NSG-274.63 by University of California, Berkeley, Calif.] † Paper, \$2.25. L.C. card 64-62081
- 14769 38. Ultraviolet spectroscopy of upper atmosphere [with list of references]; by R. O. Hundley. July 1964. cover title, vi+43 p. il. 4° [Prepared under contract NASr-21(07) by Rand Corporation, Santa Monica, Calif.] † Paper, \$1.25. L.C. card 64-62079
- 14770 44. Pyroelectric detection techniques and materials. Revised July 1964. July 1964. cover title, [1]+i+34+[7] p. il. 4° [Prepared under contract NASw-711 by Sperry Microwave Electronics Company, division of Sperry Rand Corporation, Clearwater, Fla.] † Paper, \$1.25.
- 14771 48. Rocket booster control: Time optimal control with amplitude and rate limited controls [with list of references]; by W. W. Schmaedeke and D. L. Russell. June 1964. cover title, [1]+i+37+[2] p. il. 4° [Prepared under contract NASw-563 by Minneapolis-Honeywell Regulator Company, Minneapolis, Minn.] † Paper, \$1.00.
- 14772 54. Study in cometary astrophysics; by Vincent J. DeCarlo. July 1964. cover title, [1]+il+22+[1] p. il. 4° [Prepared under contract NASw-589 by Melpar, Inc., Falls Church, Va.] † Paper, 75c.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

# AUGUST 1964

- 14773 57. Catalytic reduction of carbon monoxide with hydrogen [with list of references]; by S. D. Rosenberg [and others]. July 1964. cover title, v+31+[35] p. il. 4° [Prepared under contract NAS 7-225 by Aerojet-General Corporation, Azusa, Calif.] Φ Paper, \$2.00.  
L.C. card 64-62196
- 14774 61. Infrared interference spectrometer, its evaluation, test, and calibration [with list of references]; by Lucien W. Chaney and Leslie T. Loh. June 1964. cover title, vi+53+[2] p. il. 4° [Prepared under contract NASr-54(03) by University of Michigan, Ann Arbor, Mich.] Φ Paper, \$1.50.
- 14775 62. Radiation damage to semiconductors by high-energy electron and proton radiation [with lists of references]; by John C. Corelli and H. B. Huntington. [July 1964.] [1]+i+68 p. il. 4° [Prepared under grant NSG-290 by Rensselaer Polytechnic Institute, Troy, N.Y.] Φ Paper, \$1.75.
- 14776 63. Simulator investigation of pilot performance during extended periods of low-altitude, high-speed flight [with bibliography]; by S. M. Soliday and B. Schohan. June 1964. cover title, viii+94+[1] p. il. 4° [Prepared under contract NASw-451 by North American Aviation, Inc., Columbus, Ohio.] Φ Paper, \$2.50.
- 14777 64. Nonlinear adaptive control systems with storage [with list of references]; by Nareesh K. Sinha. June 1964. cover title, [1]+i+19+[1] p. il. 4° [Prepared under grant NSG-351 by University of Tennessee, Knoxville, Tenn.] Φ Paper, 75c.
- 14778 65. Natural frequencies in coupled bending and torsion of twisted rotating and nonrotating blades [with list of references]; by G. Isakson and J. G. Easley. July 1964. cover title, vii+77 p. il. 4° [Prepared under grant NSG-27-59 by University of Michigan, Ann Arbor, Mich.] Φ Paper, \$2.25.  
L.C. card 64-62036
- 14779 66. Planetary physics; 1. Photoionization of atomic oxygen [with list of references]; by A. Dalgarno, R. J. W. Henry, and A. L. Stewart. July 1964. cover title, [1]+iii+19+[1] p. il. 4° [Prepared under contract NASw-840 by Geophysics Corporation of America, Bedford, Mass.] Φ Paper, 75c.
- 14780 67. Planetary physics; 2. Laboratory studies of chemiluminescence from atomic oxygen-nitric oxide reaction under upper atmospheric conditions [with list of references]; by N. Jonathan and G. Doherty. July 1964. cover title, [1]+i+29+[1] p. il. 4° [Prepared under contract NASw-840 by Geophysics Corporation of America, Bedford, Mass.] Φ Paper, \$1.25.
- 14781 68. Planetary physics; 3. Photoionization cross sections of rare gases [with list of references]; by J. A. R. Samson and F. L. Kelley. June 1964. cover title, v+67+[1] p. il. 4° [Prepared under contract NASw-840 by Geophysics Corporation of America, Bedford, Mass.] Φ Paper, \$2.00.
- 14782 69. Deployable centrifugally stabilized structures for atmospheric entry from space [with lists of references]; by H. U. Schuerch and R. MacNeal. July 1964. cover title, iii+34 p. il. 4° [Prepared under contract NASw-652 by Astro Research Corporation, Santa Barbara, Calif.] Φ Paper, \$1.00.
- 14783 70. Satellite determination of high-altitude water vapor [with list of references]; by E. C. May and A. B. Kahle. July 1964. cover title, [1]+9+[1] p. il. 4° [Prepared under contract NASr-21(07) by The Rand Corporation, Santa Monica, Calif.] Φ Paper, 50c.
- 14784 71. Structural behavior of composite materials [with list of references]; by Stephen W. Tsai. July 1964. cover title, [80] p. il. 4° [Prepared under contract NAS 7-215 by Philco Corporation, Newport Beach, Calif.] Φ Paper, \$2.00.  
L.C. card 64-62086
- 14785 72. Project fog drops, investigation of warm fog properties and fog modification concepts [with lists of references]; by James E. Justo. July 1964. cover title, [1]+vi+54+[9] p. il. 4° [Prepared under contract NASr-156 by Cornell Aeronautical Laboratory, Inc., Buffalo, N.Y.] Φ Paper, \$1.75.  
L.C. card 64-62050
- 14786 77. Research program related to vapor thermionic converters for nuclear applications [with list of references]; by A. O. Jensen. July 1964. cover title, [1]+viii+[107] p. il. 4° [Prepared under contract NAS 3-2529 by Electro-Optical Systems, Inc., Pasadena, Calif.] Φ Paper, \$2.50.
- 14787 78. Pigment particle size separation; by William J. Corbett and Clyde Orr, jr. July 1964. cover title, [1]+iii+43 p. il. 4° [Prepared under contract NAS 8-848 by Georgia Institute of Technology, Atlanta, Ga.] Φ Paper, \$1.25.
- 14788 80. Research on panel flutter [with list of references]; by D. R. Kobett. July 1964. cover title, [1]+viii+67+[1] p. il. 4° [Prepared under contract NASr-63(05) by Midwest Research Institute, Kansas City, Mo.] Φ Paper, \$2.00.
- 14789 81. Use of man in booster guidance and control [with list of references]; by F. A. Muckler and R. W. Obermayer. July 1964. cover title, [1]+i+35 p. il. 4° [Prepared under contract NASw-718 by Martin Company, Baltimore, Md.] Φ Paper, \$1.00.
- 14790 82. Performance measurement in flight simulation studies [with list of references]; by R. W. Obermayer and F. A. Muckler. July 1964. cover title, [1]+i+19 p. 4° [Prepared under contract NASw-718 by Martin Company, Baltimore, Md.] Φ Paper, 75c.

\*For Sale by Superintendent of Documents  
 ΦFor Sale by OTS, Commerce Dept.  
 ●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
 Unless Otherwise Indicated

# GOVERNMENT PUBLICATIONS

## NASA contractor report CR (series)—Continued

- 14791 83. Control system lags and man-machine system performance [with list of references]; by F. A. Muckler and R. W. Obermayer. July 1964. cover title, [1]+11+31 p. il. 4° [Prepared under contract NASw-718 by Martin Company, Baltimore, Md.] \* Paper, \$1.00.  
L.C. card 64-62083
- 14792 84. Extreme vacuum technology (below 10-13 Torr) and associated clean surface studies [with list of references]; by Paul J. Bryant, Charles M. Gosselin, and Lyle H. Taylor. July 1964. cover title, vi+1-22a, 23-70 p. il. 4° [Prepared under contract NASr-63(06) by Midwest Research Institute, Kansas City, Mo.] \* Paper, \$2.00.  
L.C. card 64-6133

## NASA EP (series). • Item 830-G

- 14793 16. Unmanned spacecraft of United States; by Edgar M. Cortright. [1964.] cover title, 16 p. il. [Text on p. 2-4 of cover.] \* Paper, 15c.  
NAS 1.19: 16

## NASA quality publication NPC 200 (series).

- 14794 1A. Quality assurance provisions for Government agencies. June 1964 edition. [1964.] cover title, v+[45] p. 4° [Supersedes Quality assurance provisions for inspection agencies (NPC 200-1), Apr. 1962 edition. Includes list of reference NASA publications. Issued with perforations.] \* Paper, 35c. • Item 830-M  
L.C. card 64-61961

NAS 1.22: 1 A

## NASA SP (series).

NAS 1.21: (nos.)

- 14795 49. Errata sheet A Meteorological observations above 30 kilometers. July 1964. 1 p. 4° † • Item 830-I
- 14796 3007. Tables for supersonic flow around right circular cones at small angle of attack [with bibliographies]; by Joseph L. Sims. 1964. v+422 p. il. 4° (Scientific and Technical Information Division.) \* Paper, \$2.25.  
• Item 830-I  
L.C. card 64-62085
- 14797 3010. Tables of complex Fresnel Integral [with list of references]; by C. William Maritz. 1964. v+294 p. il. 4° (Scientific and Technical Information Division.) \* Paper, \$4.00.  
L.C. card 64-62082
- 14798 7003. Lunar surface studies, continuing bibliography, selection of annotated references to unclassified reports and journal articles introduced into NASA information system during period Jan. 1962-Mar. 1964. 1964. [2]+iii+65+31 p. 4° (Scientific and Technical Information Division.) \* Paper, \$2.25.  
L.C. card 64-61968
- 14799 7004. Communications satellites, continuing bibliography, selection of annotated references to unclassified reports and journal articles introduced into NASA information system Jan. 1962-Apr. 1964. July 1964. [2]+iii+47+41 p. 4° (Scientific and Technical Information Division.) \* Paper, \$1.00.  
L.C. card 64-62141

## NASA tech briefs. [Issued by Office of Technology Utilization Division to acquaint industry with technical content of innovation derived from NASA space program. Issued with perforations.] † NAS 1.29: (nos.)

- 14800 63-10123. Elastic orifice automatically regulates gas bearings. June 1964. [2] p. il. 4°
- 14801 63-10170. High-pressure regulating system prevents pressure surges. June 1964. [2] p. il. 4°
- 14802 63-10289. Frictional wedge shock mount is inexpensive, has good damping characteristics. May 1964. [2] p. il. 4°
- 14803 63-10340. Cryopumping of hydrogen in vacuum chambers is aided by catalytic oxidation of hydrogen. June 1964. [2] p. il. 4°
- 14804 63-10344. Cooling method prolongs life of hot-wire transducer. June 1964. [2] p. il. 4°
- 14805 63-10345. Apparatus facilitates high-temperature tensile testing in vacuum. June 1964. [2] p. il. 4°
- 14806 63-10368. Composite, vacuum-jacketed tubing replaces bellows in cryogenic systems. June 1964. 1 p. il. 4°
- 14807 63-10497. Integral coolant channels simply made by melt-out method. June 1964. [2] p. il. 4°
- 14808 63-10512. Low-cost tape system measures velocity or acceleration. June 1964. [2] p. il. 4°
- 14809 63-10514. Computer circuit will fit on single silicon chip. June 1964. [2] p. il. 4°
- 14810 63-10519. Tool facilitates sealing of metal fill tubes. July 1964. [2] p. il. 4°
- 14811 63-10528. Variable-transparency wall regulates temperatures of structures. June 1964. [2] p. il. 4°
- 14812 63-10546. Test device prevents molecular bounce-back. July 1964. [2] p. il. 4°

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available



# August 1964

- 14813 63-10555. Computer determines high-frequency phase stability. July 1964. [2] p. il. 4°
- 14814 63-10556. Lathe converted for grinding aspheric surfaces. July 1964. [2] p. il. 4°
- 14815 63-10600. Circuit controls transients in SCR inverters. June 1964. [2] p. il. 4°
- 14816 63-10603. Monostable circuit with tunnel diode has fast recovery. May 1964. [2] p. il. 4°
- 14817 63-10613. Cryogenic waveguide window is sealed with plastic foam. June 1964. 1 p. il. 4°
- 14818 64-10007. Low-power transistorized circuit provides staircase waveform. July 1964. [2] p. il. 4°
- 14819 64-10019. New method used to fabricate gallium arsenide photovoltaic device. June 1964. [2] p. il. 4°
- 14820 64-10024. Efficient circuit triggers high-current, high-voltage pulses. June 1964. [2] p. il. 4°
- 14821 64-10025. Improved electrode gives high-quality biological recordings. May 1964. [2] p. il. 4°
- 14822 64-10064. Digital logic elements provide additional functions from analog input. June 1964. [2] p. il. 4°
- 14823 64-10068. Mechanical properties of plastics predetermined by empirical method. July 1964. 1 p. 4°
- 14824 64-10080. Improved insertion-loss tester. June 1964. [2] p. il. 4°
- 14825 64-10108. Device induces lungs to maintain known constant pressure. July 1964. [2] p. il. 4°
- 14826 64-10114. Auxiliary silver electrode eliminates 2-step voltage discharge characteristic of silver-zinc cells. June 1964. [2] p. il. 4°
- 14827 64-10119. Buckle joins web straps quickly, adjusts easily. June 1964. [2] p. il. 4°
- 14828 64-10121. Electronic assembly rack panels snap on and off. June 1964. 1 p. il. 4°
- 14829 64-10124. Attachment converts microscope to point source autocollimator. July 1964. [2] p. il. 4°
- 14830 64-10142. Stringent cleaning technique assures reliable epoxy bond. June 1964. 1 p. 4°
- 14831 64-10145. Flexible fastener allows thermal expansion. June 1964. [2] p. il. 4°
- 14832 64-10146. Technique simulates effect of reduced gravity. June 1964. [2] p. il. 4°

## NASA technical memorandum TM (series).

NAS 1.15: X-(nos.)

- 14833 X-969. National altitude rocket test facilities; by Jack A. Suddreth. June 1964. cover title, [1]+10+[1] p. il. 4° Φ Paper, 50c.
- 14834 X-978. Use of helium mass spectrometer leak detector [with bibliography]; by Earle W. Young. July 1964. cover title, [1]+iii+16+[1] p. il. 4° Φ Paper, 50c.

## NASA technical note TN (series).

NAS 1.14: D-(nos.)

- 14835 D-1332. Errata, Measurements of effective heats of ablation of Teflon and polyethylene at convective heating rates, from 25 to 420 Btu/ft<sup>2</sup> sec; by Dale L. Compton, Warren Winovich, and Roy M. Wakefield. [July 6, 1964.] [2] p. il. 4° †
- 14836 D-1758. Use of solid circuits in satellite instrumentation; by Edgar G. Bush. July 1964. cover title, [1]+iii+8+[1] p. il. 4° Φ Paper, 50c.
- 14837 D-1810. Errata, Vibrational-nonequilibrium flow of nitrogen in hypersonic nozzles, by Wayne D. Erickson; June 1963. [July 27, 1964.] 6 leaves, il. 4° †
- 14838 D-1905. Application of integrated circuits to telemetry systems; by J. Michael Balderston. July 1964. cover title, [1]+iii+10+[1] p. il. 4° Φ Paper, 50c.
- 14839 D-1909. Exploration of atmosphere of Venus by simple capsule [with list of references]; by Rudolf A. Hanel. July 1964. cover title, [1]+iv+19+[1] p. il. 4° Φ Paper, 75c. L.C. card 64-62033
- 14840 D-1927. Comparison of theoretical and experimental stagnation-point heat transfer in arc-heated subsonic stream [with list of references]; by Ronald D. Brown. June 1964. cover title, [1]+23+[1] p. il. 4° Φ Paper, 75c.
- 14841 D-1999. Acoustic efficiency trends for high thrust boosters [with list of references]; by S. H. Guest. July 1964. cover title, iii+10+[1] p. il. 4° Φ Paper, 50c.
- 14842 D-2001. Errata, Touchdown dynamics analysis of spacecraft for soft lunar landing, by Robert E. Lavender, Jan. 1964. [July 6, 1964.] 1 p. 4° †
- 14843 D-2067. Effects of high sustained acceleration on pilots' performance and dynamic response [with list of references]; by Melvin Sadoff. July 1964. cover title, [1]+59+[1] p. il. 4° Φ Paper, \$1.50.
- 14844 D-2106. Effects of non-photochemical processes on meridional distribution and total amount of ozone in atmosphere [with list of references]; by Cuddapah Prabhakara. June 1964. cover title, [1]+iii+34+[1] p. il. 4° [Also published in Monthly weather review, v. 91, no. 9, Sept. 1963.] Φ Paper, \$1.00. L.C. card 64-62074

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# GOVERNMENT PUBLICATIONS

## NASA technical note TN (series)—Continued

- 14845 D-2112. Supernovae, neutrinos, and neutron stars [with list of references]; by Hong-Yee Chiu. June 1964. cover title, [1]+iv+45+[1] p. il. 4°  $\Phi$  Paper, \$1.25.  
L.C. card 64-62031
- 14846 D-2149. Traveling wave tube re-entrant amplifier serrodyne system; by W. K. Allen, L. J. Ippolito and D. A. Nace. June 1964. cover title, [1]+iii+17+[2] p. il. 4°  $\Phi$  Paper, 75c.
- 14847 D-2158. Statistical techniques for describing localized vibratory environments of rockets vehicles [with bibliographies]; by Robert E. Barrett. July 1964. cover title, vi+57+[2] p. il. 4°  $\Phi$  Paper, \$1.75.
- 14848 D-2253. Errata, Analytical evaluation of possible noncryogenic propellants for electrothermal thrusters; by John W. Schaefer and John Ferrante, Mar. 1964. [July 6, 1964.] 1 p. 4°
- 14849 D-2262. Errata, Similar solutions of boundary layer equations for purely viscous non-Newtonian fluids; by C. Sinclair Wells, jr., Apr. 1964. [July 1964.] 1 p. 4°
- 14850 D-2286. Cryogenic solutions and solubilities in liquid fluorine [with list of references]; by Robert E. Seaver. June 1964. cover title, [1]+15+[1] p. il. 4°  $\Phi$  Paper, 50c.
- 14851 D-2287. Effects of interstitial impurities on low-temperature tensile properties of tungsten [with list of references]; by Joseph R. Stephens. June 1964. cover title, [1]+14+[1] p. il. 4°  $\Phi$  Paper, 50c.
- 14852 D-2291. Stalling and tumbling of radio-controlled parawing airplane model [with list of references]; by Charles E. Libby and Joseph L. Johnson, jr. July 1964. cover title, [1]+13+[2] p. il. 4°  $\Phi$  Paper, 50c.
- 14853 D-2298. Technique for thrust-vector orientation during manual control of lunar landings from synchronous orbit [with list of references]; by L. Keith Barker and M. J. Queijo. June 1964. cover title, [1]+31+[2] p. il. 4°  $\Phi$  Paper, \$1.00.
- 14854 D-2303. Goddard Space Flight Center contributions to COSPAR meeting, June 1963 [articles, with lists of references]. June 1964. cover title, [1]+iii+90+[1] p. il. 4°  $\Phi$  Paper, \$2.25.
- 14855 D-2308. Analytical determination of take off performance of some representative supersonic transport configurations [with list of references]; by Robert L. Weirich. June 1964. cover title, [1]+23+[1] p. il. 4°  $\Phi$  Paper, 75c.
- 14856 D-2311. MRIR-PCM telemetry system, practical example of microelectronic logic design; by Paul M. Feinberg. July 1964. cover title, [1]+iii+18+[1] p. il. 4°  $\Phi$  Paper, 75c.
- 14857 D-2313. Data report on whistlers observed by Vanguard III (1959 #1) [with list of references]; by Ivan R. Shapiro, John D. Stolarik, and James P. Heppner. July 1964. cover title, [1]+iii+27+[1] p. il. 4°  $\Phi$  Paper, \$1.00.
- 14858 D-2314. Flight vibration data of Aerobee 150A sounding rocket [with bibliography]; by James A. Nagy and Gomer L. Coble, jr. June 1964. cover title, [1]+iii+26+[1] p. il. 4°  $\Phi$  Paper, 75c.
- 14859 D-2315. Medium-data-rate digital telemetry system; by Marjorie R. Townsend, Paul M. Feinberg, and John G. Lesko, jr. June 1964. cover title, [1]+iii+10+[1] p. il. 4° [Supersedes Goddard Space Flight Center document X-650-63-194, Sept. 1963.]  $\Phi$  Paper, 50c.
- 14860 D-2317. Efficient PCM error correction and synchronization code [with list of references]; by Marvin S. Maxwell and Richard L. Kutz. June 1964. cover title, [1]+iii+14+[1] p. il. 4°  $\Phi$  Paper, 50c.
- 14861 D-2320. Designing toroidal inductors with dc bias; by G. D. Smith. June 1964. cover title, [1]+iii+9+[1] p. il. 4°  $\Phi$  Paper, 50c.
- 14862 D-2321. Welded electronic module fabrication; by John C. Lyons and David R. Darge. June 1964. cover title, [1]+iii+9+[1] p. il. 4°  $\Phi$  Paper, 50c.
- 14863 D-2322. Integrated system for collecting and analyzing environmental test data; by Philip Yaffee [and others]. June 1964. cover title, [1]+iii+13+[2] p. il. 4°  $\Phi$  Paper, 50c.
- 14864 D-2326. Experimental investigation of highly underexpanded free-jets impinging upon parallel flat surface [with list of references]; by Allen R. Vick and Earl H. Andrews, Jr. June 1964. cover title, [1]+57+[1] p. il. 4°  $\Phi$  Paper, \$1.50.
- 14865 D-2327. Comparison of experimental free-jet boundaries with theoretical results obtained with method of characteristics [with list of references]; by Allen R. Vick [and others]. June 1964. cover title, [1]+103+[1] p. il. 4°  $\Phi$  Paper, \$2.25.
- 14866 D-2328. Comparison of hypersonic aerodynamic characteristics of some simple winged shapes in air and helium [with list of references]; by Thomas A. Blackstock and Charles L. Ladson. June 1964. cover title, [1]+40+[1]+p. il. 4°  $\Phi$  Paper, \$1.00.
- 14867 D-2332. Control-surface interaction effects on delta-wing windward pressures at Mach number of 6.83 at high angles of attack [with list of references]; by Luther Neal, jr., and David E. Fetterman. June 1964. cover title, [1]+45+[1] p. il. 4°  $\Phi$  Paper, \$1.25.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# AUGUST 1964

- 14868 D-2333. Theoretical study of Martian and Cytherian ionospheres [with list of references]; by R. B. Norton. July 1964. cover title, [1]+1+55+ [1] p. il. 4° [Prepared under NASA order R-65 by National Bureau of Standards, Department of Commerce.]  $\Phi$  Paper, \$1.50.
- 14869 D-2336. Preliminary analysis of variation of pitch motion of vehicle in space environment due to fuel sloshing in rectangular tank [with list of references]; by Donald G. Elde. June 1964. cover title, [1]+48+ [1] p. il. 4°  $\Phi$  Paper, \$1.25.
- 14870 D-2337. Flight evaluation of 3 techniques of demonstrating minimum flying speed of delta-wing airplane [with list of references]; by Bruce G. Powers and Nell W. Matheny. July 1964. cover title, [1]+29+[1] p. il. 4°  $\Phi$  Paper, 75c.
- 14871 D-2338. Simple abort scheme for lunar landings [with list of references]; by G. Kimball Miller, jr., and L. Keith Barker. June 1964. cover title, [1]+49+[1] p. il. 4°  $\Phi$  Paper, \$1.25.
- 14872 D-2339. Correlation graphs for supersonic flow around right circular cones at zero yaw in air as perfect gas [with list of references]; by Mitchel H. Bertram. June 1964. cover title, [1]+21+[1] p. il. 4°  $\Phi$  Paper, 75c.
- 14873 D-2340. Heat-transfer measurements on flat plate and attached fins at Mach numbers of 3.51 and 4.44 [with list of references]; by Earl A. Price, Paul W. Howard and Robert L. Stallings, jr. June 1964. cover title, [1]+36+[1] p. il. 4°  $\Phi$  Paper, \$1.00.
- 14874 D-2341. Numerical method for design of camber surfaces of supersonic wings with arbitrary planforms [with list of references]; by Harry W. Carlson and Wilbur D. Middleton. June 1964. cover title, [1]+18+[1] p. il. 4°  $\Phi$  Paper, 50c.
- 14875 D-2342. Parametric study of hypersonic flow fields about blunt-nosed cylinders at zero angle of attack [with list of references]; by James E. Terry and Carlton S. James. July 1964. cover title, [1]+55+[1] p. il. 4°  $\Phi$  Paper, \$1.50.
- 14876 D-2343. Capability of proportional-type lateral control system in providing aerodynamic heading-angle trajectory control during reentry [with list of references]; by Gene W. Sparrow. July 1964. cover title, [1]+36+[1] p. il. 4°  $\Phi$  Paper, \$1.00.
- 14877 D-2344. Flow evaluation in arc-heated hypersonic wind tunnel [with list of references]; by Roger B. Stewart and John E. Grimaud. July 1964. cover title, [1]+30+[1] p. il. 4°  $\Phi$  Paper, 75c.
- 14878 D-2345. Experimental evidence of degradation effects in short samples of hard superconductors [with list of references]; by John C. Fakan and Edward R. Schrader. June 1964. cover title, [1]+11+[1] p. il. 4°  $\Phi$  Paper, 50c.
- 14879 D-2346. Low-speed longitudinal aerodynamic investigation of parawings as auxiliary lifting devices for supersonic airplane configuration [with list of references]; by W. Pelham Phillips. July 1964. cover title, [1]+55+[1] p. il. 4°  $\Phi$  Paper, \$1.50.
- 14880 D-2347. Spectrographic data obtained from reentries at 10.9 and 8.1 kilometers per second of 2 stages of Trailblazer IIb [with list of references]; by Kenneth H. Crumbly. July 1964. cover title, [1]+21+[1] p. il. 4°  $\Phi$  Paper, 75c.
- 14881 D-2349. Low-subsonic aerodynamic characteristics of delta-wing recovery device for nonlifting spacecraft [with list of references]; by George M. Ware. July 1964. cover title, [1]+17+[1] p. il. 4°  $\Phi$  Paper, 50c.
- 14882 D-2350. Afterbody pressures on 2-dimensional boattailed bodies having turbulent boundary layers at Mach 5.93 [with list of references]; by W. Frank Staylor and Theodore J. Goldberg. July 1964. cover title, [1]+36+[2] p. il. 4°  $\Phi$  Paper, \$1.00.
- 14883 D-2352. Aerodynamic characteristics of several proposed versions of Saturn V launch vehicle at Mach numbers 1.57 to 4.65; by Dennis E. Fuller and Roger H. Fournier. July 1964. cover title, [1]+32+[1] p. il. 4°  $\Phi$  Paper, \$1.00.
- 14884 D-2354. Flight investigation of ablation on blunted cylinder-flare configuration to Mach number of 8.48 [with list of references]; by Clyde W. Winters and William G. Witte. July 1964. cover title, [1]+41+[1] p. il. 4°  $\Phi$  Paper, \$1.25.
- 14885 D-2355. Radiance of earth and its limb in middle ultraviolet [with list of references]; by William C. Hasky and Thomas B. McKee. July 1964. cover title, [1]+34+[1] p. il. 4°  $\Phi$  Paper, \$1.00. L.C. card 64-62149
- 14886 D-2357. Theoretical study of zero-field electron work function of metal immersed in gas, direct application to cesium thermionic diode [with list of references]; by Keung P. Luke and John R. Smith. July 1964. cover title, [3]+66+[2] p. il. 4°  $\Phi$  Paper, \$1.75. L.C. card 64-62032
- 14887 D-2358. Axial-load fatigue properties of PH 15-7 Mo stainless steel in condition TH 1050 at ambient temperature and 500° F [with list of references]; by Walter Ilg and Claude B. Castle. July 1964. cover title, [1]+23+[1] p. il. 4°  $\Phi$  Paper, 75c.

\*For Sale by Superintendent of Documents  
 $\Phi$ For Sale by OTS, Commerce Dept.  
 $\Phi$ Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
 Unless Otherwise Indicated



# GOVERNMENT PUBLICATIONS

## NASA technical note TN (series)—Continued

- 14888 D-2360. Effects of leading-edge sweep on flutter characteristics of some delta-planform surfaces at Mach number of 15.4 [with list of references]; by Robert C. Goetz. July 1964. cover title, [1]+36+[2] p. il. 4°  $\Phi$  Paper, \$1.00.
- 14889 D-2362. Rocket spectrophotometer airglow measurements in far ultraviolet [with list of references]; by W. G. Pastie, H. M. Crosswhite, and D. F. Heath. July 1964. cover title, [1]+24+[1] p. il. 4° [Prepared under grant NsG-193-62 by Johns Hopkins University, Baltimore, Md.]  $\Phi$  Paper, 75c.
- 14890 D-2363. Quantum mechanical study of molecules, electronic states of diatomic molecules [with list of references]; by Roop C. Sahni. July 1964. cover title, [1]+46+[1] p. il. 4° [Prepared under grant NsG-76-60 by New York University, University Heights, New York, N.Y.]  $\Phi$  Paper, \$1.25. L.C. card 64-62148
- 14891 D-2364. Experimental investigation of radiation effects in semiconductors [with list of references]; by W. Dale Compton. July 1964. cover title, [1]+9+[1] p. il. 4° [Prepared under grant NsG-228-62 by University of Illinois, Urbana, Ill.]  $\Phi$  Paper, 50c.
- 14892 D-2365. Analysis of non-linear noise in FDM telephony transmission over SSB-PM satellite communication system [with list of references]; by Paul J. Heffernan. July 1964. cover title, [1]+111+28+[2] p. il. 4°  $\Phi$  Paper, \$1.00.
- 14893 D-2369. On transport properties of partially ionized gas in presence of electric and magnetic fields [with list of references]; by H. A. Hassan. July 1964. cover title, [1]+19+[1] p. 4° [Prepared under grant NsG-363 by North Carolina State College, Raleigh, N.C.]  $\Phi$  Paper, 50c.
- 14894 D-2371. Vacancy formation in gold under high pressure [with list of references]; by Hubert H. Grimes. July 1964. cover title, [1]+[1] p. il. 4°  $\Phi$  Paper, 50c.
- 14895 D-2372. Azimuthal magnetic field of thick, finite-length, helical solenoid [with list of references]; by Edmund E. Callaghan and James C. Stoll. July 1964. cover title, [1]+31+[1] p. il. 4°  $\Phi$  Paper, \$1.00.
- 14896 D-2373. Review of stall characteristics of swept wings [with list of references]; by Charles W. Harper and Ralph L. Maki. July 1964. cover title, [1]+45+[1] p. il. 4°  $\Phi$  Paper, \$1.25.
- 14897 D-2375. On modification of Hill's method of general planetary perturbations [with list of references]; by Peter Musen. July 1964. cover title, [1]+111+16+[2] p. 4°  $\Phi$  Paper, 50c.
- 14898 D-2385. Comparison of heat-rejection and weight characteristics of several radiator fin-tube configurations [with list of references]; by Henry C. Haller. July 1964. cover title, [1]+34+[1] p. il. 4°  $\Phi$  Paper, \$1.00.
- 14899 D-2391. YLR99-RM-1 rocket engine operating experience in X-15 aircraft [with one reference]; by James F. Maher, Jr., C. Yawne Ottlinger, and Vincent N. Capasso, Jr. July 1964. cover title, [1]+25+[1] p. il. 4°  $\Phi$  Paper, 75c.

## NASA technical report R (series).

NAS 1.12: (nos.)

- 14900 163. Hypersonic shock-heated flow parameters for velocities to 46,000 feet per second and altitudes to 323,000 feet [with list of references]; by Paul W. Huber. Dec. 1963 [published 1964]. cover title, [1]+74+[1] p. il. 4°  $\Phi$  Paper, \$2.00.
- 14901 172. Generalized treatment of plane electromagnetic waves passing through isotropic inhomogeneous plasma slab at arbitrary angles of incidence [with list of references]; by Calvin T. Swift and John S. Evans. Dec. 1963. cover title, [1]+1+41+[1] p. il. 4°  $\Phi$  Paper, \$1.25.
- 14902 194. Discussion of Halphen's method for secular perturbations and its application to determination of long range effects in motions of celestial bodies, pt. 2 [with list of references]; by Arthur J. Smith, Jr. June 1964. cover title, [1]+111+73+[2] p. il. 4°  $\Phi$  Paper, \$2.00.
- 14903 198. Ground measurements of sonic-boom pressures for altitude range of 10,000 to 75,000 feet [with bibliographies]; by Harvey H. Hubbard [and others]. July 1964. cover title, [1]+43+[1] p. il. 4° [Supersedes NASA technical memorandum X-633, 1962.]  $\Phi$  Paper, \$1.25.
- 14904 202. Theoretical aerodynamic characteristics of sharp and circularly blunt-wedge air foils [with list of references]; by Joseph W. Cleary and John A. Axelson. July 1964. cover title, [1]+33+[1] p. il. 4°  $\Phi$  Paper, \$1.00.
- 14905 203. Theory of tumbling bodies entering planetary atmospheres with application to probe vehicles and Australian tektites [with list of references]; by Murray Tobak and Victor L. Peterson. July 1964. cover title, [1]+40+[1] p. il. 4°  $\Phi$  Paper, \$1.00.

## NASA technical translation TT (series).

NAS 1.13/2: F-(nos.)

- 14906 F-100. Meteoritics, no. 19 [with lists of references]; by Ye. S. Burkser et al. June 1964. cover title, [1]+1+206+[1] p. il. 4° [From Izdatel'stvo Akademii Nauk SSSR, 1960.]  $\Phi$  Paper, \$3.50.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# AUGUST 1964

- 14907 F-126. Cosmic rays [articles, with lists of references]; edited by S. N. Vernov and L. I. Dorman. July 1964. cover title, [1]+ii+294+[2] p. il. 4° [From IGY program, sec. 7, no. 3, Izdatel'stvo Akademii Nauk SSSR Moscow, 1961.]  $\Phi$  Paper, \$4.00.
- 14908 F-127. Cosmic rays [papers, with lists of references]; edited by S. N. Vernov and L. I. Dorman. June 1964. cover title, [1]+iii+2-390+[1] p. il. 4° [From IGY program, sec. 7, no. 4, Izdatel'stvo Akademii Nauk SSSR Moscow, 1961.]  $\Phi$  Paper, \$5.00.
- 14909 F-150. Actinometry, atmospheric optics and nuclear meteorology, selected articles [with lists of literature cited]; by N. N. Gorokhovskaya et al. June 1964. cover title, [3]+120 p.+ [2] leaves, il. 4° [From Akademiya Nauk Litovskoy SSR, Institut Geologii i Geografii Nauchnyye Soobshcheniya, tom 13, Vilnius, 1962.]  $\Phi$  Paper, \$2.75.
- 14910 F-164. Problems of spatial perception and spatial concepts [with bibliographies]; edited by B. G. Anan'yev and B. F. Lomov. June 1964. cover title, v+273+[4] p. il. 4° [From Isdatel'stvo Akademii Pedagogicheskikh Nauk RSFSR, Moscow, 1961.]  $\Phi$  Paper, \$4.00.
- 14911 F-172. Lunar radio emission, physical state and nature of moon's surface [with bibliography]; by V. S. Treitskiy. July 1964. cover title, [1]+30+[1] p. il. 4° [From Izvestiya komissii po fizike planet, no. 3, 1961.]  $\Phi$  Paper, 75c.
- 14912 F-173. Outline of clinical physiology of circulation [with bibliography]; by V. V. Parin and F. Z. Meyerson. June 1964. cover title, [1]+iv+519 p.+ [2] leaves, il. 4° [From State Publishing House for Medical Literature (Medgiz), Moscow, 1960.]  $\Phi$  Paper, \$7.00.
- 14913 F-198. Accelerometric precordial ballistocardiogram (kinetocardiogram) in hypertension [with bibliography]; by I. Ye. Oranskiy. July 1964. cover title, [1]+8+[2] p. il. 4° [From Terapevticheskiiy arkhiv, v. 34, no. 12, 1962.]  $\Phi$  Paper, 50c.
- 14914 F-205. Dynamocardiography [with bibliography]; by Ye. B. Babskiy and V. L. Karpman. July 1964. cover title, [1]+ii+140+[4] p. il. 4° [Translation of Dinamokardiografiya, published by State Publishing House for Medical Literature, Moscow, 1963.]  $\Phi$  Paper, \$2.75.
- 14915 F-207. Absorption of atmospheric thermal radiation in 9.6  $\mu$  ozone band region [with list of references]; by K. Ya. Kondrat'yev and Kh. Yu. Niylysk. June 1964. cover title, [1]+27+[2] p. il. 4° [From Problemy fiziki atmosfery, Sbornik 2, Izdatel'stvo Leningradskogo Universiteta, 1963.]  $\Phi$  Paper, 75c.
- 14916 F-208. Thermal radiation of CO<sub>2</sub> in atmosphere [with list of references]; by K. Ya. Kondrat'yev and Kh. Yu. Niylysk. July 1964. cover title, [1]+22+[1] p. il. 4° [From Problemy fiziki atmosfery, Sbornik 2, Izdatel'stvo Leningradskogo Universiteta, 1963.]  $\Phi$  Paper, 75c.
- 14917 F-210. Spectra distribution of outgoing radiation [with list of references]; by K. Ya. Kondrat'yev and K. Ye. Yakushevskaya. June 1964. cover title, [1]+21+[1] p. il. 4° [From Problemy fiziki atmosfery, Sbornik 2, Izdatel'stvo Leningradskogo Universiteta, 1963.]  $\Phi$  Paper, 75c.
- 14918 F-211. Infrared absorption spectrum of water in its liquid state [with list of references]; by K. Ya. Kondrat'yev et al. July 1964. cover title, [1]+27+[1] p. il. 4° [From Problemy fiziki atmosfery, Sbornik 2, Izdatel'stvo Leningradskogo Universiteta, 1963.]  $\Phi$  Paper, 75c.
- 14919 F-212. Spectroscopic method of integral determination of water vapor content in column of atmosphere [with list of references]; by I. Ya. Badinov, A. P. Gal'tsev, and G. A. Nikol'skiy. June 1964. cover title, [1]+[1]+20+[2] p. il. 4° [From Problemy fiziki atmosfery, Sbornik 2, Izdatel'stvo Leningradskogo Universiteta, 1963.]  $\Phi$  Paper, 50c.
- 14920 F-213. Investigation spectral distribution of shortwave radiation [with list of references]; by K. Ya. Kondrat'yev et al. July 1964. cover title, [1]+20+[2] p. il. 4° [From Problemy fiziki atmosfery, Sbornik 2, Izdatel'stvo Leningradskogo Universiteta, 1963.]  $\Phi$  Paper, 50c.
- 14921 F-214. Nuclear processes in chromospheric flares [with list of references]; by B. M. Vladimirovskiy and A. B. Severnyy. July 1964. cover title, [1]+9+[1] p. 4° [From Izvestiya Krymskoy Astrofizicheskoy Observatorii, v. 29, Moscow, 1963.]  $\Phi$  Paper, 50c.
- 14922 F-215. Temperature measurement of free atmosphere taking into account recombination of atoms [with list of references]; by A. F. Chizhov. July 1964. cover title, [1]+12+[2] p. 4° [From Trudy Tsentral'noy Aerologicheskoy Observatorii, no. 46, 1963.]  $\Phi$  Paper, 50c.
- 14923 F-216. Equations of transverse vibrations of liquid-filled shells [with bibliography]; by B. I. Rabinovich. July 1964. cover title, [1]+11+[1] p. il. 4° [From Izvestiya Akademii Nauk SSSR, Mekhanika 1 mashinostroyeniye, no. 1, 1964.]  $\Phi$  Paper, 50c.
- 14924 F-219. Equations of axially symmetric vibrations of liquid-filled cylindrical shell [with bibliography]; by V. P. Shmakov. July 1964. cover title, [1]+11+[1] p. il. 4° [From Izvestiya Akademii Nauk SSSR, Mekhanika 1 Mashinostroyeniye, no. 1, 1964.]  $\Phi$  Paper, 50c.
- 14925 F-220. Application of method of photoelastic coatings to determination of stresses and deformations in flexible plates and shells [with bibliography]; by M. Kh. Akhmetzyanov. July 1964. cover title, [1]+8+[2] p. il. 4° [From Izvestiya Akademii Nauk SSSR, Mekhanika 1 mashinostroyeniye, no. 1, 1964.]  $\Phi$  Paper, 50c.

\*For Sale by Superintendent of Documents

$\Phi$ For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

## GOVERNMENT PUBLICATIONS

### NASA technical translation TT (series)—Continued

- 14926 F-229. Investigation of upper layers of atmosphere and space, bibliography. July 1964. cover title, [1]+69+[1] p. 4° [From Bibliograficheskiy bulletin' 2, 1964.]  $\Phi$  Paper, \$1.75.
- 14927 Semiannual procurement report, July 1–Dec. 31, 1963; [prepared by Reports and Statistics Division, Office of Procurement], NASA Headquarters. [1964.] cover title, [4]+60 p. il. 4° † NAS 1.30: 963-2
- 14928 9th semiannual report to Congress, Jan. 1–June 30, 1963. [1964.] xvi+216 p. il. [Also issued as H. doc. 314, 88th Cong., 2d sess.] \* Paper, \$1.00.  
● Item 830-A  
L.C. card 59-61976 NAS 1.1: 963
- 14929 Technology utilization publications [list]. May 1964. [6] p. narrow 8° † NAS 1.9/2: T 22/2

### NATIONAL AGRICULTURAL LIBRARY, Agriculture Dept.

#### Library list.

- 14930 75. Serial publications indexed in Bibliography of agriculture. 1964. cover title, 72 p. 4° †  
L.C. card Agr 63-209 A 17.17: 75/2

### NATIONAL ARCHIVES AND RECORDS SERVICE, General Services Administration

- 14931 Guide to genealogical records in National Archives; by Meredith B. Colket, jr. and Frank E. Bridges. 1964. x+145 p. (National Archives [publication 64-8].) \* Paper, 50c. ● Item 569-B  
L.C. card A 64-7048 GS 4.6/2: G 28

### NATIONAL BUREAU OF STANDARDS, Commerce Dept.

#### Handbooks. ● Item 245

C 13.11: (nos.)

- 14932 97. Shielding for high-energy electron accelerator installations, recommendations of National Committee on Radiation Protection and Measurements [with list of references]. July 1, 1964. x+66 p. il. 12° (NCRP report 31.) \* Paper, 30c.  
L.C. card 64-60026
- 14933 98. Examination of farm milk tanks, manual for weights and measures officials [with list of references; by] Malcolm W. Jensen. May 22, 1964. iv+36 p. il. 12° \* Paper, 35c.  
L.C. card 64-60037

#### Miscellaneous publications. ● Item 247

C 13.10: (nos.)

- 14934 259. Selection of camera filters for color photography. June 26, 1964. [2] p. 4° [Includes references to another publication of interest to photographers.] \* Paper, 5c.
- 14935 260-1. Standard reference materials, preparation of NBS white cast iron spectrochemical standards [with list of references; by] Robert E. Michaelis and LeRoy L. Wyman. June 19, 1964. vi+31 p. il. 4° \* Paper, 30c.  
L.C. card 64-60045

#### Monographs. ● Item 247-A

C 13.44: (nos.)

- 14936 34, v. 2. Tables of chemical kinetics, homogeneous reactions (supplementary tables). July 1, 1964. ii+[269] p. 4° [Prepared in cooperation with National Research Council, Division of Chemistry, Committee on Kinetics of Chemical Reactions, and Project Office, Hepburn Hall, St. Lawrence University, Canton, N.Y. Text on p. 2 of cover. Issued in loose-leaf form. To accompany Circular 510, Supplements 1 and 2, and Monograph 34, v. 1.] \* Paper, \$2.00.  
L.C. card 52-60566
- 14937 71. Line parameters and computed spectra for water vapor bands at 2.7 $\mu$  [articles, with lists of references; by] David M. Gates [and others]. Aug. 3, 1964. viii+126 p. il. 4° \* Cloth, \$2.00.  
L.C. card 63-62353
- 14938 76. Engineering method for calculating protection afforded by structures against fallout radiation [with bibliographies; by] Charles Eisenhauer. July 2, 1964. iv+20 p. il. 4° \* Paper, 20c.  
L.C. card 64-60024

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# AUGUST 1964

## Technical notes. ● Item 249-A

C 13.46: (nos.)

- 14939 214. Absolute photometry of light of night sky, zenith intensity of Haleakala (latitude N 20.7°) and Fritz Peak (latitude N 39.0°) [with list of references; by] F. E. Roach and L. L. Smith. June 29, 1964. iv+52 p. il. 4° \* Paper, 35c.
- 14940 216. Computation of Hankel functions [with list of references; by] Leslie A. Berry. June 12, 1964. iii+19 p. il. 4° \* Paper, 20c.
- 14941 217. Bibliography of thermophysical properties of argon from 0 to 300° K: [by] L. A. Hall, J. G. Hust, and A. L. Gosman. June 12, 1964. iii+102 p. 4° \* Paper, 55c.  
L.C. card 64-62035
- 14942 243. Survey of multiple charged ions [with list of references; by] Fred L. Mohler. [May 27, 1964.] [2]+13 p. 4° \* Paper, 10c.

## NATIONAL GUARD BUREAU, Defense Dept.

### NGB pamphlets. ‡ ● Item 358

D 12.8: (nos.)

- 14943 2-1-1. Publications, Index of National Guard Bureau publications (National Guard regulations, NGB pamphlets and NGB forms). May 28, 1964. cover title, [38] p. 4° (Departments of Army and Air Force.) [Issued with perforations. Supersedes issue of May 15, 1963.]  
L.C. card 59-33633
- 14944 75-10-1. Federal property: Supply management report instructions. May 14, 1964. cover title, 43 p. 4° (Army and Air Force Departments.) [Supersedes NGB pamphlet 75-5-1, Aug 30, 1961. Issued with perforations. Effective July 1, 1964.]
- 14945 Official Army National Guard register, 1964; Jan. 1, 1964. 1964. viii+1015 p. (Army and Air Force Departments.) ‡ ● Item 358-A  
L.C. card 22-26684

D 12.9: 964

## NATIONAL INSTITUTES OF HEALTH, Health, Education, and Welfare Dept.

- 14946 Alcoholism, selected bibliography; compiled by Carl L. Anderson. May 1964. [2]+13 p. 4° ([Public Health Service publication 1200]; Community Research and Services Branch, National Institute of Mental Health.) \* Paper, 15c. ● Item 506-A-6  
FS 2.22/13: A1 1
- 14947 Careers in psychiatry in Public Health Service, 8-year career development program in psychiatry. Revised Apr. 1964. [1964.] [4]+25 p. il. ([Public Health Service publication 1199]; National Institute of Mental Health.) \* Paper, 25c. ● Item 507  
L.C. card 64-62116  
FS 2.22: P 95/8/964
- 14948 1963 directory of outpatient psychiatric clinics, psychiatric day-night services and other mental health resources in United States and territories, includes outpatient psychiatric clinics, psychiatric day-night services, State hospitals for mental disease, public institutions for mentally retarded, Veterans Administration hospitals, mental health associations, State departments dealing with mental health and mental retardation, regional offices, Department of Health, Education, and Welfare. [June 1964.] x+231 p.+[1] folded leaf. ([Public Health Service publication 1129]; National Institute of Mental Health.) [Prepared in cooperation with National Association for Mental Health, Inc.] \* Paper, 70c. ● Item 507-A-5  
L.C. card 64-62105  
FS 2.22/38-4: 963
- 14949 Nursing at Clinical Center. [Revised 1964.] [1964.] cover title, 8 p. il. oblong 24° ([Public Health Service publications 468.]) [Supplement entitled Qualifications, salary scale, workweek, vacations, travel, insurance, promotion, retirement, designated publication 468-A, revised 1964, 8 p. narrow 12°, in pocket.] ‡ ● Item 507  
FS 2.22: N 93/2/964
- 14950 Patients in mental institutions, 1962: pt. 2, State and county mental hospitals; prepared by National Institute of Mental Health, Biometrics Branch, Hospital Studies Section. [1964.] 65 p. il. 4° ([Public Health Service publication 1143, pt. 2.]) ‡ ● Item 494  
L.C. card 42-37617  
FS 2.59: 962/pt.2

\*For Sale by Superintendent of Documents

‡For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

## GOVERNMENT PUBLICATIONS

- 14951 Public Health Service grants and awards, fiscal year 1962 funds: pt. 5. Summary tables for extramural programs; [prepared by Division of Research Grants, Statistics and Analysis Branch]. [1964.] vii+619 p. ([Public Health Service publication 964, pt. 5.]) [Errata, 1 p. oblong 24°, was issued also.] \* Paper, \$1.75. ● Item 507-D  
L.C. card 55-63042 FS 2.22/7: 962/pt.5
- Research profiles. ● Item 507-A-6 FS 2.22/43: (nos.)
- 14952 4. Summary of progress in hearing and speech disorders; prepared by Information Office, National Institute of Neurological Diseases and Blindness. Nov. 1963 [published 1964]. v+26 p. ([Public Health Service publication 1156.]) \* Paper, 15c.  
L.C. card 64-60983
- 14953 5. Summary of progress in mental retardation; prepared by Information Office, National Institute of Neurological Diseases and Blindness. Nov. 1963 [published 1964]. v+10 p. ([Public Health Service publication 1157.]) \* Paper, 15c.  
L.C. card 64-60983
- 14954 6. Summary of progress in multiple sclerosis; prepared by Information Office, National Institute of Neurological Diseases and Blindness. Nov. 1963 [published 1964]. v+7 p. il. ([Public Health Service publication 1158.]) [Included in annual statement made to Congress of United States by Director of National Institute of Neurological Diseases and Blindness.] \* Paper, 15c.  
L.C. card 64-60983
- 14955 7. Summary of progress in neuromuscular disorders; prepared by Information Office, National Institute of Neurological Diseases and Blindness. Nov. 1963 [published 1964]. v+7 p. il. ([Public Health Service publication 1159.]) \* Paper, 15c.  
L.C. card 64-60983
- 14956 8. Summary of progress in Parkinson's disease; prepared by Information Office, National Institute of Neurological Diseases and Blindness. Nov. 1963 [published 1964]. v+6 p. ([Public Health Service publication 1160.]) [Included in annual statement made to Congress of United States by Director of National Institute of Neurological Diseases and Blindness.] \* Paper, 15c.  
L.C. card 64-60983
- 14957 Smoking and the heart, related to Smoking and health, report of Advisory Committee to Surgeon General of Public Health Service; [prepared by Heart Information Center, National Heart Institute]. [1964.] [4] p. il. narrow 8° ([Public Health Service publication 1103-b.]) \* Paper, \$2.00 per 100; single copy, 5c. ● Item 507 FS 2.22: Sm 7/2
- 14958 1962 statistical report, annual tabulations of Model Reporting Area for Blindness Statistics. Feb. 1964. iii+25 p. (Public Health Service [publication 1176]; Biometrics Branch, National Institute of Neurological Diseases and Blindness.) † ● Item 507-Y  
L.C. card 64-62129 FS 2.22/37-2: 962

## NATIONAL LABOR RELATIONS BOARD

- 14959 Digest of decisions of National Labor Relations Board, annual supplement, July 1, 1962-June 30, 1963; [prepared by Legal Research and Special Projects Branch]. [1964.] iv+54+847 p. \* Paper, \$2.75.  
● Item 826 LR 1.8/3: 962-63
- 14960 Hospitable reception for arbitration at Labor Board, address by Gerald A. Brown, member, National Labor Relations Board, before Eastern Conference of Teamsters Lawyers meeting, Atlantic City, N.J., June 30, 1964. [1964.] [1]+8 p. 4° (R-974.) † LR 1.7: B 81/7

## NATIONAL MUSEUM, Smithsonian Institution

- Bulletins. ● Item 919 SI 3.3: (nos.)
- 14961 236. Free-living Copepoda from Ifaluk Atoll in Caroline Islands with notes on related species [with list of literature cited; by] Willem Vervoort. 1964. ix+431 p. il. (Museum of Natural History.) \* Paper, \$1.75.  
L.C. card 64-61951

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

# AUGUST 1964

- 14962 239. Recent mollusca of Augustus Addison Gould, illustrations of types described by Gould with bibliography and catalog of his species [and with list of literature cited; by] Richard I. Johnson. 1964. v+182 p. 45 pl. (Museum of Comparative Zoology, Museum of Natural History.) \* Paper, \$1.50.  
L.C. card 64-62072

## NATIONAL PARK SERVICE, Interior Dept.

- 14963 Aztec Ruins National Monument, N. Mex. [Revised 1964.] [1964.] [6] p. il. † ● Item 650 I 29.21: Az 7/3/964
- 14964 Big Hole National Battlefield, Mont. [Revised 1964.] [1964.] 6 p. il. \* Paper, 5c. ● Item 650 I 29.21: B 48/964
- 14965 Bryce Canyon National Park, Utah. [Revised 1964.] [1964.] 22+ [2] p. il. narrow 8° \* Paper, 15c. ● Item 651 I 29.6: B 84/3/964
- 14966 Cape Henry Memorial, Va. [1964.] 8 p. il. narrow 8° \* Paper, 5c. ● Item 650 I 29.21: C 17/4/964
- 14967 Devils Postpile National Monument, Calif. [Revised 1964.] [1964.] 6 p. il. narrow 8° \* Paper, 5c. ● Item 650 I 29.21: D 49/3/964
- 14968 Fort Vancouver National Historic Site, Wash. [Revised 1964.] [1964.] [6] p. il. \* Paper, 5c. ● Item 650 I 29.21: F 77v/964
- 14969 Grand Portage National Monument, Minn. [1964.] [12] p. 4° folded into narrow 8° size. \* Paper, 15c. ● Item 650 I 29.21: G 76/2/964
- 14970 Great Sand Dunes National Monument, Colo. [Revised 1964.] [1964.] 10 p. il. narrow 8° \* Paper, 10c. ● Item 650 I 29.21: G 79/2/964
- 14971 Hampton National Historic Site, Md. [Revised 1964.] [1964.] [8] p. il. \* Paper, 5c. ● Item 650 I 29.21: H 18/964
- 14972 Lassen Volcanic National Park, Calif. [Revised 1964.] [1964.] [2] p. il. large 4°, folded into narrow 8° size. \* Paper, 10c. ● Item 651 I 29.6: L 33/4/964
- 14973 Mount McKinley [with list of suggested reading]. [1964.] [24] p. il. narrow 8° \* Paper, 15c. ● Item 651 I 29.6: M 86/20/964
- 14974 Natchez Trace Parkway, Miss., Ala., Tenn. [Revised 1964.] [1964.] [16] p. il. narrow 8° \* Paper, 10c. ● Item 651 I 29.6: N 19/964
- 14975 National survey of historic sites and buildings. [1964.] [8] p. il. narrow 8° \* Paper, 5c. ● Item 648 I 29.2: H 62/5/964
- 14976 Registry of national historic landmarks. [1964.] [8] p. il. narrow 8° \* Paper, 5c. ● Item 648 I 29.2: H 62/8
- 14977 Sagamore Hill National Historic Site, Oyster Bay, Long Island, N.Y. [1964.] [12] p. il. narrow, 8° \* Paper, 10c. ● Item 650 I 29.21: Sa 18/964
- 14978 Scotts Bluff National Monument, Nebr. [Revised 1964.] [1964.] [2] p. oblong 8°, folded into narrow 8° size. † ● Item 650 I 29.21: Sco 87/3/964
- 14979 Sequoia and Kings Canyon National Parks, Calif. [with list of other publications]. [Revised 1964.] [1964.] 24 p. il. narrow 8° \* Paper, 15c. ● Item 651 I 29.6: Se 6/5/964
- 14980 Timpanogos Cave National Monument, Utah. [Revised 1964.] [1964.] [6] p. il. \* Paper, 5c. ● Item 650 I 29.21: T 48/3/964
- 14981 Tuzigoot National Monument, Ariz. [Revised 1964.] [1964.] [6] p. il. \* Paper, 5c. ● Item 650 I 29.21: T 89/2/964

\*For Sale by Superintendent of Documents

‡For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# GOVERNMENT PUBLICATIONS

## NATIONAL RAILROAD ADJUSTMENT BOARD

- 14982 Awards 11336-420, 3d division, v. 115. Champlin-Shealy Company, Chicago, Ill. [1964.], [1]+999 p. † National Railroad Adjustment Board, Chicago, Ill. (Price upon application.)  
L.C. card 36-26212 RA 1.9: 115
- 14983 Awards 11421-475, 3d division, v. 116. Champlin-Shealy Company, Chicago, Ill. [1964.] [1]+1043 p. il. † National Railroad Adjustment Board, Chicago, Ill. (Price upon application).  
L.C. card 36-26212 RA 1.9: 116
- 14984 Awards 11476-520, 3d division, v. 117. Champlin-Shealy Company, Chicago, Ill. [1964.] [1]+1018 p. † National Railroad Adjustment Board, Chicago, Ill. (Price upon application).  
L.C. card 36-26212 RA 1.9: 117
- 14985 Awards 11521-590, 3d division, v. 118. Champlin-Shealy Company, Chicago, Ill. [1964.], [1]+1030 p. † National Railroad Adjustment Board, Chicago, Ill. (Price upon application).  
L.C. card 36-26212 RA 1.9: 118
- 14986 First division, v. 151, awards 20231-330. Champlin-Shealy Company, Chicago, Ill. [1964.] [1]+1023 p. † National Railroad Adjustment Board, Chicago, Ill. (Price upon application).  
L.C. card 36-26211 RA 1.7: 151

## NATIONAL SCIENCE FOUNDATION

- 14987 Current projects on economic and social implications of science and technology, 1963; [compiled by Suzanne Dovydenas]. [1964.] viii+158 p. (NSF 64-10.) \* Paper, 50c. Item 834-V  
L.C. card 59-64268 NS 1.23: 963
- 14988 Federal funds for research, development, and other scientific activities, fiscal years 1962-64, v. 12. [1964.] viii+180 p. il. 4° (Surveys of science resources series. NSF 64-11.) [Text on p. 2 of cover. Formerly Federal funds for science.] \* Paper, \$1.00. ● Item 834-N  
L.C. card 53-61515 NS 1.18: 12

## NAVAL OBSERVATORY, Defense Dept.

- 14989 Astronomical phenomena for [calendar] year 1967; issued by Nautical Almanac Office. 1963 [published 1964]. xxxv+[33] p. il. [Preprint of selected pages from American ephemeris and nautical almanac.] \* Paper, 35c. ● Item 396-A  
L.C. card 51-60475 D 213.8/3: 967

## NAVAL OCEANOGRAPHIC OFFICE, Defense Dept.

- 14990 National Oceanographic Data center announcement. [Irregular.] †  
May 31, 1964— D 203.24/4: (date)
- 14991 National Oceanographic Data Center, list of fully processed oceanographic cruises [with list of reference sources completed Oct. 1, 1963-Feb. 28, 1964]. [1964.] 4+13 p. 4° †  
D 203.24/3: C 88
- Publications. ● Item 378 (Rev. 1957) D 203.22: (nos.)
- 14992 114. Change 2, list of lights and fog signals: British Isles, English Channel and North Sea; June 13, 1964. 1964. [101] p. 4° [Includes list of effective pages and Notice to mariners 24, 1964. Issued in loose-leaf form.] † Paper, 50c.
- 14993 117A. Change 4, May 23, 1964, to Radio navigational aids, Atlantic and Mediterranean area. 1964. [184] p. [13] maps, 4° [Includes list of effective pages. Issued in loose-leaf form.] † Paper, 50c.

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# AUGUST 1964

- 14994 117B. Change 4, May 23, 1964, to Radio navigational aids, Pacific and Indian Oceans area. 1964. [157] p. il. 4° [Includes list of effective pages. Issued in loose-leaf form.] † Paper, 50c.
- 14995 249, v. 1. Sight reduction tables for air navigation (selected stars) epoch 1965.0. 1964 [reprint]. xiii+324 p. 4° [Prepared in cooperation with Naval observatory and H. M. Nautical Almanac Office. Contains list of 57 selected stars replacing previous table 4, and GHA  $\nu$  table not previously included. Tables on p. 2 and 3 of cover.] \* Cardboard, \$2.50. L.C. card 64-61947

## NAVAL OPERATIONS OFFICE, Defense Dept.

- 14996 Civil War naval chronology, 1861-65: pt. 4, 1864. [1964.] cover title, iii-iv +151 p. il. 4° (Naval History Division.) \* Paper, 75c. ● Item 399  
L.C. card 61-64600 D 207.2: C 49/pt.4

## NAVAL PERSONNEL BUREAU, Defense Dept.

- 14997 Aviation machinist's mate J 3 & 2 [with reading list; prepared by Navy Training Publications Center]. [1964 edition.] [1964.] cover title, iv+247 p. il. 4° (Navy training course; NAVPERS 10341.) \* Paper, \$1.50. ● Item 404  
L.C. card 64-61916 D 208.11: Av 5/37
- 14998 Aviation storekeeper 3 & 2 [with reading list; prepared by Navy Training Publication Center, Memphis, Tenn.]. [1964 edition.] [1964.] cover title, iv+319 p. il. 4° (Navy Training Course; NAVPERS 10398-B.) † ● Item 404  
L.C. card 64-61967 D 208.11: Av 5/16/964
- 14999 Engineering aid 1 & C [with reading list; prepared by Navy Training Publications Center]. [1964.] cover title, iv+293 p. il. 1 pl. 4° (Navy training course; NAVPERS 10635.) \* Paper, \$2.00. ● Item 404  
L.C. card 64-62193 D 208.11: En 3/6
- 15000 Navy fleet motion picture service manual. [Mar. 26, 1964.] [3]+22 p. +10+2 leaves, 4° (NAVPERS 15970.) [Issued with perforations.] † ● Item 403-A  
D 208.6/3: M 85
- 15001 Servicing techniques for transistorized and printed circuits. July 1964. cover title, iii-vii+70 p. il. 4° (NAVPERS 93394.) † ● Item 403-A  
L.C. card 64-61760 D 208.6/3: C 49

## NAVAL RESEARCH OFFICE, Defense Dept.

Naval Training Device Center, Port Washington, N.Y.: Technical report NAVTRADEVCE (series).

- 15002 294-5. James J. Gibson on visual perception, analysis of selected papers [with bibliography; by] Milton W. Horowitz. Feb. 1964. cover title, iv+38 p. il. 4° (Educational Research Corporation, Cambridge, Mass.; contract N61339-294.) [Text on p. 2 of cover.] † D 210.14: 294-5
- 15003 789-2. Further experiments on computer-aided learning of sound identification [with list of references; by] John A. Swets [and others]. Apr. 1964. cover title, v+46 p. il. 4° (Bolt Beranek and Newman Inc., Cambridge, Mass.; contract N61339-789.) [Text on p. 2 of cover. Issued with perforations.] † D 210.14: 789-2
- 15004 1097-1. Design of internal environmental simulator, final engineering report for internal environmental simulator for man-machine system [with bibliography; by] R. A. Landes, R. B. Neveril, C. M. Tomsic. Oct. 1963. cover title, x+118+[106] p. il. 4° (MRD Division, General American Transportation Co., Niles, Ill.; contract N61339-1097.) [Text on p. 2 of cover.] † D 210.14: 1097-1
- 15005 1205-2. Simulation of helicopter and V/STOL aircraft; v. 2, V/STOL analysis report, study, equations of motion of vertical/short take-off and landing operational flight/weapon system trainers [with bibliography; by] Walter McIntyre. Sept. 1963. cover title, v+110 p. il. 4° (Melpar, Inc., Falls Church, Va.; contract N61339-1205.) [Text on p. 2 of cover. Issued with perforations.] † D 210.14: 1205-2
- 15006 IH-7. One-trial learning and quantum psychophysics, synthesis [with list of references; by] Richard J. Anderson. June 1964. [1]+1+8 p. 4° † D 210.14: IH-7

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

Page 83

# GOVERNMENT PUBLICATIONS

NRL report. (Naval Research Laboratory.)

- 15007 6048. Morphology of PbO<sub>2</sub> in positive plates of lead acid cells [with list of references; by] Jeanne Burbank. June 11, 1964. cover title, 9+[1] p. il. 4° ‡  
D 210.8:6048

## NAVAL WEAPONS BUREAU, Defense Dept.

NAVWEPS report. ● Item 410

- 15008 1488, v. 6. Handbook of supersonic aerodynamics, sec. 17. Ducts, nozzles and diffusers [with list of references]. Jan. 1964. xxvi+423 p. il. 4°  
[Produced and edited by Aerodynamics Handbook Staff of Johns Hopkins University, Applied Physics Laboratory, Silver Spring, Md., operating under contract NOW 62-0604-c.] \*Stiffboard \$3.25. L.C. card 50-60883 D 215.7:1488/v.6/sec.17
- 15009 Proceedings of rotating and static precision components symposium [papers, with lists of references]. Apr. 1964. ix+491 p. il. 4° ● Item 408-B-1  
L.C. card 64-62112 D 217.2: C 73
- 15010 Signal generators, AN/USM-44 and AN/USM-44A, handbook, operating instructions. Jan. 15, 1960, reprint Jan. 1964. [2]+iv+22 p. il. 4° (NAVWEPS 16-30USM44-501 (USAF) T.O. 33A1-8-119-1.) [Issued in loose-leaf form. Supersedes NAVAER 16-30USM44-501, May 1, 1958.] Φ Paper, 75c. D 217.14: Si 2
- 15011 — handbook, overhaul instructions. June 1, 1956, revised Jan. 15, 1960, reprint Jan. 1964. [2]+ii+1-2A, 3-23 p. il. 4° (NAVWEPS 16-30USM44-503 (USAF) T.O. 33A1-8-119-3.) [Issued in loose-leaf form.] Φ Paper, 75c. D 217.14: Si 2/3
- 15012 — handbook, service instructions. July 1, 1955, revised Jan. 15, 1960, reprint Jan. 1964. [2]+iv+74+[11] p. il. 4° (NAVWEPS 16-30USM44-502 (USAF) T.O. 33A1-8-119-2.) [Issued in loose-leaf form.] Φ Paper, \$2.00. D 217.14: Si 2/2
- 15013 — illustrated parts breakdown. Jan. 15, 1960, reprint Aug. 1963. [2]+i+81 p. il. 4° (NAVWEPS 16-30USM44-504 (USAF) T.O. 33A1-8-119-4.) [Issued in loose-leaf form.] Φ Paper, \$2.25. D 217.14: Si 2/4

## NAVY DEPARTMENT, Defense Dept.

- 15014 [Material Inspection Service] MIS administration manual, v. 2, chap. 6 [Administration of Government property in possession of contractors], and Property administration handbook [revised pages]; May 26, 1964. [1964.] [28] p. 4° (ONMINST 5000.3, Change 87; Office of Naval Material.) [Issued with perforations.] \*Paper, 20c. ● Item 373  
D 201.6: G 74/958/rev. pages-15
- 15015 New 4 ocean challenge; [by John S. McCain]. [1964.] [2]+48+[2] p. il. 4° [Published by Bureau of Naval Personnel, Office of Special Assistant for Leadership Development, with assistance of Editorial Services Branch, Office of Information, Navy Dept.] ‡ ● Item 370  
D 201.2: Oc 2
- 15016 United States Ship Thresher (SSN 593) in memoriam, Apr. 10, 1963; [compiled by the Staff, Deputy Commander Submarine Force, U.S. Atlantic Fleet]. [Apr. 1964.] xiv+[1]+146 p. il. 4° \*Cloth, \$2.50. ● Item 370  
L.C. card 64-62078 D 201.2: T 41

## ORDNANCE CORPS (Army), Defense Dept.

- 15017 Evaluation of elastomers for potential use at cryogenic temperatures [with list of literature references]; by J. D. Rudy. May 13, 1963. iv+13 p. il. 4° (Rock Island Arsenal, Rock Island, Ill., report 63-1573, DA project 1-H-O-24401-A-110, AMC code 5026.11.842.) Φ Paper, 50c. (AD-412840). D 105.11/2: El 1

\*For Sale by Superintendent of Documents

‡Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C., Unless Otherwise Indicated



# AUGUST 1964

## PATENT OFFICE, Commerce Dept.

Classification bulletins. [Issued with perforations.] ● Item 252  
C 21.3: (nos.)

- 15018 313, rev. 1. Class 219, Electric heating, containing classification definitions of above class revised by Office of Patent Classification of Patent Office, to include all changes through order 359, dated May 22, 1964. [1964.] [2]+6+108 p. 4° \* Paper, \$1.25.
- 15019 460. Class 299, Mining or in situ disintegration of hard material, containing classification definitions of above class established by Office of Patent Classification of Patent Office by Classification order dated June 29, 1964. [1964.] [3]+19 p. 4° \* Paper, 25c.

## POST OFFICE DEPARTMENT

- 15020 Address by John A. Gronouski, Postmaster General, at chapter convention of National Association of Postmasters of United States, Anchorage, Alaska, July 10, 1964. [1964.] 8 leaves, 4° (General release no. 134; Information Service.) † P 1.27: G 89/20
- 15021 Address by John A. Gronouski, Postmaster General, at chapter convention of National Association of Postmasters of United States, Springville, Utah, July 16, 1964. [1964.] 8 leaves, 4° (Information Service, General release 141.) † P 1.27: G 89/21
- 15022 Address by John A. Gronouski, Postmaster General, at dedication of Air Mail Facility, Fairbanks, Alaska, July 10, 1964. [1964.] 8 leaves, 4° (General release no. 135; Information Service.) † P 1.27: G 89/19
- 15023 Address by John A. Gronouski, Postmaster General, at dedication of Federal Building, North Platte, Nebr., July 18, 1964. [1964.] 7 leaves, 4° (Information Service, General release 142.) † P 1.27: G 89/22
- 15024 Address by John A. Gronouski, Postmaster General, before National Clay Week banquet honoring postmasters of Ohio, Uhrichsville, Ohio, June 26, 1964. 7 leaves, 4° (General release 131; Information Service.) † P 1.27: G 89/18
- 15025 Agreement between Post Office Department and National Association of Letter Carriers AFL-CIO, National Association of Post Office and General Services Maintenance Employees, National Association of Special Delivery Messengers AFL-CIO, National Federation of Post Office Motor Vehicle Employees AFL-CIO, National Rural Letter Carriers Association, United Federation of Postal Clerks AFL-CIO, July 1, 1964-Oct. 31, 1965. [1964.] [1]+i+87 p. (POD publication 53.) \* Paper, 30c. ● Item 837  
L.C. card 64-61960 P 1.2: P 84/31/964-65
- 15026 1963 and 1964 agreements between Post Office Department and 6 employee organizations holding exclusive recognition with explanation of changes. June 22, 1964. cover title, i+99 p. oblong 8° † ● Item 837  
L.C. card 64-62104 P 1.2: P 84/32
- 15027 Postage stamps of United States, illustrated description of all United States postage and special service stamps issued by Post Office Department, July 1, 1847-Dec. 31, 1963. 1964. [4]+252 p. il. ([POD publication 9, rev.]; Office of Special Assistant to Postmaster General.) [Pages 246-252 are left blank to be used for notes.] \* Paper, \$1.25. ● Item 840  
L.C. card 27-27645 P 4.10: 963
- 15028 Summation, [address by] John A. Gronouski, Postmaster General, Postmasters' Conference, Baltimore, Md., June 24, 1964. [1964.] 5 leaves, 4° (Information service, General release 132.) † P 1.27: G 89/17

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# GOVERNMENT PUBLICATIONS

## PRESIDENT OF THE UNITED STATES

- 15029 President's Panel on Mental Retardation, report of task force on behavioral and social research [with list of references]; edited by William I. Gardner. Mar. 1964. vii+73 p. 4° [Published for President's Panel on Mental Retardation by Department of Health, Education, and Welfare.] \* Paper, 45c. ● Item 851-J  
L.C. card 64-61959 Pr 35.8: M 52/B 39
- Recreation Advisory Council: Circulars. † Interior Department. ● Item 851-J Pr 35.8: R 24/C 49/(nos.)
- 15030 1. Federal executive branch policy governing selection, establishment, and administration of national recreation areas. Mar. 20, 1963 [published 1964]. cover title, [1]+8 p. 16°
- 15031 2. General policy guidelines for outdoor recreation. Apr. 9, 1964. cover title, 15 p. 16° [Includes list of selected Federal statutes reflecting outdoor recreation policy.]
- 15032 3. Policy governing water pollution and public health aspects of outdoor recreation. Apr. 9, 1964. cover title, [1]+10 p. 16° [Includes list of guides and reference materials on environmental health aspects of recreation.]
- 15033 4. National program of scenic roads and parkways. Apr. 9, 1964. cover title, 7 p. 16°
- 15034 Remarks of Hobart Taylor, jr., executive vice chairman of President's Committee on Equal Employment Opportunity, and Associate Counsel to the President before Regional Conference of Community Leaders, Philadelphia, June 10, 1964. [1964.] 10 leaves, 4° † President's Committee on Equal Employment Opportunity. Pr 35.8: Em 7/T 21/5
- 15035 Remarks of Hobart Taylor, jr. to 5th annual Insurance Recognition Banquet of Chicago Insurance Association, Chicago, Ill., July 10, 1964. [1964.] 10 leaves, 4° (President's Committee on Equal Employment Opportunity.) † President's Committee on Equal Employment Opportunity. Pr 35.8: Em 7/T 21/6

## PUBLIC DOCUMENTS DIVISION, Government Printing Office

Price list PL (series). † ● Item 554

- 15036 68. Farm management, foreign agriculture, rural electrification, agricultural marketing; Apr. 1964. 46th edition. [1964.] [2]+22 p. GP 3.9: 68/46  
L.C. card 26-26174
- 15037 Public papers of Presidents of United States [announcement and order form]. [1964.] 2 p. il. oblong 16°, folded into oblong 48° size † ● Item 552 GP 3.22: P 92/964
- 15038 Shopping for food, money, family and home, health, informed consumer is wise consumer [announcement and order form]. [1964.] [2] p. il. oblong 12°, folded into oblong 48° size. † ● Item 552 GP 3.22: F 73/964
- 15039 United States pavilion, New York World's Fair, where visitors will see displayed colorful array of representative Government publications [announcement and order form]. [1964.] 2 p. il. oblong 16°, folded into oblong 48° size † ● Item 552 GP 3.22: W 89/2

## PUBLIC HEALTH SERVICE, Health, Education, and Welfare Dept.

- 15040 Accidental death and injury statistics. [1964.] ii+74 p. il. 4° ([Publication 1111]; Division of Accident Prevention.) [Includes tables on deaths for 1960 and injuries for period July 1959-June 1961.] \* Paper, 45c. ● Item 485 FS 2.2: D 34/2
- 15041 Age-adjusted and age-specific death rates for malignant neoplasma, 1960. [1964.] vii+113 p. il. 4° ([Publication 1113, Dec. 1963].) \* Paper, 75c. ● Item 485 L.C. card 64-61949 FS 2.2: N 35/2

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

# AUGUST 1964

- 15042 Annual fluoridation census report, National, State, and community experience, 1963. [1964.] [66] p. 4° (Division of Dental Public Health and Resources.) †  
L.C. card 64-62115 FS 2.2: F 67/8/963

## Bibliography series. ● Item 481-A

- 15043 46. Selected references on rheumatic fever, glomerulonephritis, and streptococcal infections, bibliography compiled from English Language, 1962; [compiled by Lucille T. Shoop]. [Apr. 1964.] iv+22 p. 4° ([Publication 1060, supp. 1]; Division of Chronic Diseases, Heart Disease Control Program.) †  
L.C. card 63-65488 FS 2.21: 46

- 15044 Cancer mortality patterns among U.S. uranium miners and millers, 1950 through 1962 [with list of references; by] Joseph K. Wagoner [and others]. [1964.] p. 787-801. (Epidemiology Branch, National Cancer Institute Bethesda, Md., and Division of Occupational Health Field Station, Bureau of State Services, Salt Lake City, Utah.) [From Journal of National Cancer Institute, v. 32, no. 4, Apr. 1964.] †  
FS 2.31/a: Ur 1

- 15045 Common intestinal protozoa of man, life cycle charts; prepared by M. M. Brooke and Dorothy M. Melvin. [Apr. 1964.] [3]+19 p. il. ([Publication 1140]; Communicable Disease Center, Atlanta, Ga.) [Charts were originally issued in 1960 as unnumbered publication by Laboratory Branch of Communicable Disease Center for use in training courses.] \* Paper, 15c. ● Item 504  
L.C. card 64-62071 FS 2.60/2: P 94

- 15046 Diabetes source book; [prepared by Gail F. Fisher and Helen M. Vavra]. [May 1964.] iv+48 p. oblong 12° ([Publication 1168]; Division of Chronic Diseases, Diabetes and Arthritis Program.) \* Paper, 40c. ● Item 485  
L.C. card 64-62134 FS 2.2: D 54/13

## Environmental health series: Air pollution. (Division of Air Pollution.)

- 15047 AP-4. Air pollution and kraft pulping industry, annotated bibliography; by Paul A. Kenline, Jeremy M. Hales. Nov. 1963. v+122+[1] p. il. (Publication 999-AP-4.) †  
L.C. card 64-61921 FS 2.300: AP-4

## Health information series. ● Item 486

FS 2.50: (nos.)

- 15048 24. Measles, rubella. [Revised 1964.] [1964.] [4] p. narrow 8° ([Publication 303.1] \* Paper, \$2.00 per 100; single copy, 5c.  
15049 41. Malaria. [Revised 1964.] [1964.] [4] p. narrow 8° ([Publication 166.]) \* Paper, \$2.00 per 100; single copy, 5c.  
15050 75. Cancer of skin; [prepared by Research Information Branch, National Cancer Institute, National Institutes of Health]. [Revised 1963.] [1964.] [8] p. narrow 8° ([Publication 378.]) \* Paper, \$3.25 per 100; single copy, 5c.

## Health mobilization series. (Division of Health Mobilization.) ● Item 486-E

FS 2.302: (letters-nos.)

- 15051 D-2. List of available training literature. June 1964. cover title, 20 p. ([Publication 1071 D-2; Training Branch.]) [Supersedes Oct. 1961 edition. Issued with perforations.] †  
15052 F-9. Storage locations, pre-positioned and training civil defense emergency hospitals. Feb. 1, 1964. vi+119 p. oblong 8° ([Publication 1071 F-9.]) \* Paper, 75c.  
15053 F-10. Civil defense emergency hospital custodian's handbook. 1964. iii+28 p. il. 4° ([Publication 1071-F-10.]) [Issued with perforations.] \* Paper, 25c.

- 15054 Indian health highlights; [by the staff, Office of Program Planning and Evaluation, Program Analysis and Statistics Branch]. 1964 edition. Apr. 1964. xxii+67 p. il. 4° (Bureau of Medical Services; Division of Indian Health.) [Edge index and instructions for use on p. 4 of cover.] †  
L.C. card 59-62420 FS 2.2: In 25/9/964

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

Page 87



# GOVERNMENT PUBLICATIONS

- 15055 Insecticide formulation, instructive communication [with suggested references for additional reading]. [1964.] iv+49 p. il. 4° ([Publication 1185; Training Branch], Communicable Disease Center, Atlanta, Ga.) [Text on p. 2 and 3 of cover. Title on cover is: Insecticide formulation, self instructional lesson. Accompanied by Answer booklet, 10 p. il. 4°.] \* Paper, 60c. ● Item 505-A  
L.C. card 64-62122 FS 2.60/7: In 7/4
- 15056 International Research Group on Refuse Disposal (IRGR), Information bulletin 15, Aug. 1962, Information bulletin 16, Dec. 1962 [articles, translated by Ferguson, Brooks & Kelly, Consulting Engineers, Inc., Phoenix, Ariz. and Warren L. Armstrong Communicable Disease Center, U.S. Public Health Service, Atlanta, Ga.; edited by John S. Wiley]. [1964.] cover title, [1]+31+[1]+27 p. il. 4° [Published in French and German by Sekretariat: Eidg. Anstalt für Wasserversorgung Abwasserreinigung und Gewässerschutz, Physikstrasse 5, Zurich 7/44, Switzerland. Reprinted with permission.] \* Paper, 40c.  
L.C. card 64-62136 FS 2.2: In 85/3/no.15, 16
- 15057 Introduction to dental public health, self-instruction course [with bibliography; by Peter Pipe]. [1964.] vii+183 p. ([Publication 1134]; Division of Dental Public Health and Resources, Dental Health Center, San Francisco, Calif.) \* Paper, 70c. ● Item 496-A  
L.C. card 64-61951 FS 2.6/2: D 43/2
- 15058 List of health information leaflets and pamphlets of Public Health Service. [Revised May 1964.] [1964.] 5 p. 4° ([Publication 323.]) † ● Item 481-A  
FS 2.24: In 3/964
- 15059 Mental retardation program of Division of Chronic Diseases. [June 1964.] [8] p. narrow 8° ([Publication 1194; Mental Retardation Branch, Division of Chronic Diseases.]) \* Paper, \$3.00 per 100; single copy, 5c. ● Item 485  
FS 2.2: M 52/6
- 15060 Neurological and sensory disease service program. [May 1964.] [10] p. il. narrow 8° ([Publication 1197; Division of Chronic Diseases, Neurological and Sensory Disease Service Program.]) \* Paper, 10c. ● Item 485  
FS 2.2: N 39/964
- 15061 Patients and personnel speak, method of studying patient care in hospitals [with list of references]; by Faye G. Abdellah and Eugene Levine. [Revised 1964.] [1964.] viii+40 p. il. 4° ([Publication 527]; Division of Nursing.) \* Paper, 35c. ● Item 496-A  
L.C. card 64-62109 FS 2.6/2: P 27/2
- 15062 Problem of sanitary protection of atmospheric air in USA [report of Soviet health officials on month-long, nationwide tour of American factories, medical schools, research institutes, Federal and local governmental air pollution facilities, and similar activities, begun Jan. 15, 1963]; translated by B. S. Levine. [1964.] [1]+12 p. 4° [From Ciciena i sanitariya, v. 28, no. 12, 1963.] †  
FS 2.2: Ai 8/9
- 15063 Role of dentist in national disaster [with list of references]; prepared by Division of Health Mobilization, under contract with Office of Civil Defense, Department of Army. July 1964. [3]+14 p. 4° (Contract OCD-OS-63-65; subtask 2421D.) †  
FS 2.2: D 43/25
- 15064 Sanitation facilities for Indians, what does P.L. 86-121 mean to you. [Revised 1964.] [1964.] [6] p. il. narrow 8° ([Publication 735]); Division of Indian Health.) † ● Item 485  
FS 2.2: In 25/6/964
- 15065 Sewage treatment contract awards by location, 1963. June 1964. [2]+15 p. 4° (Division of Water Supply and Pollution Control, Basic Data Branch.) †  
FS 2.56/2: 963

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# AUGUST 1964

- 15066 Silicosis in metal mining industry, revaluation, 1958-61 [with lists of references; by] Robert H. Flinn [and others]. [1964.] xviii+238 p. il. ([Publication 1076.]) [Prepared in cooperation with Department of Interior, Bureau of Mines. Errata, 1 p. oblong 32°, was issued also.] \* Paper, \$1.25. ● Item 485  
L.C. card 64-61806 FS 2.2: Si 3/3
- 15067 State laws and regulations affecting mentally retarded, check-list; [prepared by Subcommittee on State laws in Mental Retardation of Advisory Committee to] Office of Special Assistant to the President for Mental Retardation. [1st printing, June 1964.] [1964.] [41+27 p. 4° ([Publication 1193.]) \* Paper, 25c. ● Item 485.  
L.C. card 64-61977 FS 2.2: M 52/8
- 15068 Statistical summary of 1962 inventory, municipal waste facilities in United States [with list of references]; by Andrew C. Glass and Kenneth H. Jenkins. [1964.] iv+41 p. il. ([Publication 1165]; Division of Water Supply and Pollution Control.) \* Paper, 20c. ● Item 487-B  
L.C. card 64-61920 FS 2.71/2: 962/sum.
- 15069 Storage and retrieval of data for water quality control [with list of references]; by Richard S. Green. [1964.] iv+36 p. il. 4° (Division of Water Supply and Pollution Control.) [Material used as basis of presentation at Symposium on Environmental Measurements, Sept. 5, 1963, Cincinnati, Ohio.] † ● Item 485  
L.C. card 64-61879 FS 2.2: W 29/51
- 15070 Venereal disease education, report of special subcommittee of Public Advisory Committee on Venereal Disease Control [with bibliographies.] [1964.] [3]+31 p. ([Publication 1190]; Communicable Disease Center, Venereal Disease Branch, Atlanta, Ga.) \* Paper, 20c. ● Item 504  
L.C. card 64-61800 FS 2.60/2: V 55/6
- Vital and health statistics: Series 11, Data from National Health Survey. (National Center for Health Statistics.) ● Item 500-E
- 15071 4. Blood pressure of adults by age and sex, United States, 1960-62, blood pressure measurement, and distributions and mean levels by age and sex; [by Tavia Gordon]. June 1964. [4]+40 p. il. 4° ([Publication 1000, series 11, no. 4: Division of Health Examination Statistics.]) \* Paper, 35c.  
FS 2.85/2: 11/no.4

## PUBLIC ROADS BUREAU, Commerce Dept.

- 15072 Publications of Bureau of Public Roads. June 1964. [6] p. narrow 8° †  
C 37.28: P 96/964
- 15073 Traffic assignment manual for application with large, high speed computer [with selected bibliography]. June 1964. [1]+vi+[287] p. il. 4° (Office of Planning, Urban Planning Division.) \* Paper, \$1.50. ● Item 265-A  
L.C. card 64-62145 C 37.6/2: T 67/2

## RAILROAD RETIREMENT BOARD

- 15074 Legal opinions, rulings in administration of Railroad retirement act and Railroad unemployment insurance act, 1961. [1964.] iii+110 p. \* Paper, 50c. ● Item 860-A  
L.C. card 64-61953 RR 1.12: 961

## RECLAMATION BUREAU, Interior Dept.

- 15075 Publications available for sale. July 1964. cover title, [2]+17 p. [Semi-annual.] †  
I 27.10/2: 964/2
- 15076 Reclamation's recreational opportunities. [1964.] [2] p. oblong f°, folded into narrow 8° size. \* Paper, 15c. ● Item 660 I 27.2: R 24/10/964

\*For Sale by Superintendent of Documents  
ΦFor Sale by OTS, Commerce Dept.  
●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

## GOVERNMENT PUBLICATIONS

- 15077 Special studies: Delivery of water to Mexico. Feb. 1963. [1]+xiv+108 p. 7 pl. 7 maps, 4° (Region 3, Boulder City, Nev.) [Two maps are colored.] †  
L.C. card 63-61501 I 27.2: W 29/4

### SHIPS BUREAU (Navy), Defense Dept.

- 15078 Automated approach to technical information retrieval, library applications [with list of references]; by John J. Nicolaus. Mar. 1964. cover title, ii+44 p. il. 4° (NAVSHIPS 250-210-2.) [Issued with perforations.] \* Paper, 30c. ● Item 412  
L.C. card 64-62119 D 211.2: Au 8

### SMALL BUSINESS ADMINISTRATION

- Small business bibliographies. † ● Item 901-K SBA 1.3: (nos.)  
15079 52. Store arrangement and display; by Ruth E. Valentine. May 1964 revision. [1964.] 8 p. 4° [Originally issued as Small business bulletin 52.]  
L.C. card 64-61907  
15080 73. Retail merchandising and promotion; by A. Hamilton Chute. Apr. 1964. 20 p. 4°  
L.C. card 64-61715

### SOCIAL SECURITY ADMINISTRATION, Health, Education, and Welfare Dept.

- 15081 Employee conduct [with bibliography]. June 1964. cover title, 31 p. il. 4°  
\* Paper, 30c. ● Item 516-C FS 3.6/3: Em 7  
15082 Interviewing and counseling [basic supervisory training course]. June 1964. cover title, 28 p. il. 4° \* Paper, 25c. ● Item 516 FS 3.6/3: In 8  
OASI (series). ● Item 518-A FS 3.35: (nos.)  
15083 29g. Social security disability insurance program, facts and figures. [May 1964.] cover title, 12 p. il. \* Paper, 15c.  
15084 36. Financing your social security benefits. [May 1964.] 12 p. oblong 48°  
\* Paper, \$5.00 per 100; single copy, 10c.  
15085 85d. What you can expect from your social security office [message from commissioner of social security]. [June 1964.] 12 p. il. oblong 24°  
\* Paper, 10c.  
L.C. card HEW 64-84  
Research and statistics notes, 1964 (series). (Division of Research and Statistics.) † FS 3.28/2: 964/ (nos.)  
15086 7. Estimated distribution by income class of OASDI benefits received by aged. Revised July 2, [1964]. [1964.] [2] p. 4°  
15087 8. Independent health insurance plans, 1963; [prepared by Louis S. Reed and Sylvia D. Kassalow]. June 16, 1964. 4+[5] p. 4°  
15088 Social security programs throughout world, 1964. [1964.] xxv+[1]+223 p. 4° (Division of Research and Statistics.) \* Paper, \$1.75. ● Item 516  
L.C. card HEW 62-40 FS 3.2: So 13/17/964

### SOIL CONSERVATION SERVICE, Agriculture Dept.

- 15089 Federal-State-private cooperative snow surveys, basic data summary of snow survey and soil moisture measurements for Western United States, including Columbia River drainage in Canada, 1962-63 season; [prepared by Hamer J. Stockwell]. Oct. 1963. [7]+75 p. 4° [Prepared in collaboration with California Department of Water Resources and British Columbia Department of Lands, Forest, and Water Resources. Illustration on p. 1 of cover.] †  
L.C. card 64-62113 A 57.2: Sn 6/12/963

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# AUGUST 1964

- 15090 Federal-State-private-cooperative summary of snow survey measurements for Wyoming, headwaters of Missouri, Columbia, Colorado and Great Basin, 1919-63; prepared by George W. Peak and Tommy A. George. Aug. 1963. [3]+108 p. il. map, 4° [Prepared in cooperation with State Engineer of Wyoming, U.S. Forest Service, Geological Survey, National Park Service, Bureau of Reclamation, and other Federal, State and private organizations.] †  
L.C. card 59-60951 A 57.2: Sn 6/6/919-63

## Soil survey series 1959. ● Item 102 (Rev. 1957)

- 15091 33. Caroline County, Md.; [by Earle D. Matthews]. Jan. 1964. cover title, [1]+53 p. 38 p. of pl. and maps, 1 tab. 4° [Prepared in cooperation with Maryland Agricultural Experiment Station. Text on p. 2 of cover. One map is colored.] \* Paper, \$2.25.  
L.C. card Agr 64-362 A 57.38: 959/33

## Soil survey series 1960. ● Item 102 (Rev. 1957) A 57.38: 960/(nos.)

- 15092 17. Cochran County, Tex. [with list of literature cited; by Allen L. Newman]. Mar. 1964. cover title, 1+80 p. il. 66 p. of pl. and maps, 4° [Prepared in cooperation with Texas Agricultural Experiment Station. Text on p. 2 of cover. One map is colored.] \* Paper, \$3.25.  
L.C. card Agr 64-348
- 15093 18. Jackson County, Miss.; [by William A. Cole and Joseph H. Dent, jr.]. June 1964. cover title, [1]+65 p. il. 79 p. of pl. and maps, 4° [Prepared in cooperation with Mississippi Agricultural Experiment Station. Text on p. 2 of cover.] \* Paper, \$3.75.  
L.C. card Agr 64-349

## STATE DEPARTMENT

- 15094 Amharic, basic course, units 1-50; [by] Serge Obolensky, Debebow Zelelie, Mulugeta Andualem. 1964. xviii+500+[1] p. il. 4° (Foreign Service Institute.) \* Paper, \$2.25. ● Item 872-A  
L.C. card 64-62147 S 1.114/2: Am 4/unit 1-50

## Department and Foreign Service series. ● Item 863

- 15095 112. Information and travel tips, do's and don'ts. [June 1964.] [4] p. oblong 48° ([Publication 7528.]) † S 1.69: 112
- 15096 Educational and cultural exchange program, 1963 fiscal year, American grantees, educational travel, students, teachers, lecturers, research scholars, specialists; compiled by Bureau of Educational and Cultural Affairs. May 1964. [1]+160 p. 4° † ● Item 868-A  
L.C. card 55-61391 S 1.67/2: 963

- 15097 Fees charged by foreign countries for visa of United States passports. [June 1964.] 8 p. 4° (Passport Office; M-264.) \* Paper, 5c. ● Item 876  
S 1.2: V 82/2/964-2

- 15098 Interagency directory, key contacts for planning and development of educational, cultural, scientific and technical exchange programs; [compiled by Policy Review and Research Staff, Bureau of Educational and Cultural Affairs]. [1964.] cover title, [3]+28 p. 4° [Text on p. 1 of cover.] †  
L.C. card 64-62114 S 1.67/3: 964

## International boundary studies. ([Geographer, Office of Research in Economics and Science, Bureau of Intelligence and Research.]) † S 1.119/3: (nos.)

- 15099 32. Cambodia-Laos boundary. June 12, 1964. cover title, [1]+5 p. map, 4°
- 15100 33. Burma-Laos boundary. June 18, 1964. cover title, [1]+4 p. map 4°
- 15101 34. China-Laos boundary. June 24, 1964. cover title, [1]+5 p. map, 4°

## Near and Middle Eastern series. ● Item 883

- 15102 72. Middle East, indefinable region; [by G. Etzel Pearcy]. [June 1964.] [2]+12 p. il. 4° ([Publication 7684: Office of Media Services, Bureau of Public Affairs.]) [Reprint (revised) from Department of State bulletin, Mar. 23, 1959.] \* Paper, 10c.  
L.C. card 64-62138 S.86: 72

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

Page 91

# GOVERNMENT PUBLICATIONS

- 15103 Some U.S. Government agencies engaged in international activities. Nov. 1963. [3] leaves+98+6 p. 4° (Bureau of Educational and Cultural Affairs [Policy Review and Research Staff].) †  
L.C. card 64-62117 S 1.2: In 8/27
- 15104 Spanish basic course, units 31-45; [by] Robert P. Stockwell [and others]. 1959. [614] p. oblong 12° (Foreign Service Institute.) \* Paper, \$3.25.  
S 1.114/2: Sp 2/unit 31-45
- 15105 Spanish basic course, units 46-55; [by] B. David Trease, Jack L. Ulsh. 1962. [465] p. oblong 12° (Foreign Service Institute.) \* Paper, \$2.50.  
S 1.114/2: Sp 2/unit 46-55
- 15106 Studies in progress or recently completed: Arms control and disarmament [ACD-3]; compiled by Dallas Lloyd. May 1964. [5]+53 p. 4° (External Research Staff, [Bureau of Intelligence and Research].) [Semiannual. Compiled for Arms Control and Disarmament Agency.] † (Available to libraries, scholars, and universities only). S 1.117/5: 3
- Treaties and other international acts series. \* Paper, \$10.00 a yr. (approximately 150 issues), \$6.00 additional for foreign mailing; single copies vary in price. ● Item 899 S 9.10: (nos.)
- 15107 5565. Agricultural commodities, agreement between United States and Republic of Congo, signed Leopoldville Apr. 28, 1964, [entered into force Apr. 28, 1964]; with exchange of notes. [1964.] [2]+14 p. [English and French.] \* Paper, 10c.  
L.C. card 64-61867
- 15108 5566. Agricultural commodities, agreement between United States and Yugoslavia, signed Belgrade Apr. 27, 1964; [entered into force Apr. 27, 1964; with exchange of notes. [1964.] [2]+9 p. \* Paper, 10c.  
L.C. card 64-61980
- 15109 5567. Agricultural commodities, sales under title 4, agreement between United States and Yugoslavia, signed Belgrade Apr. 27, 1964; [entered into force Apr. 27, 1964]; with exchange of notes. [1964.] [2]+7 p. \* Paper, 10c.  
L.C. card 64-61981
- 15110 5569. Agricultural commodities, sale under title 4, agreement between United States and Bolivia, amending agreement of Feb. 4, 1963, as amended, effected by exchange of notes, signed LaPaz, Apr. 27, 1964; [entered into force Apr. 27, 1964]. [1964.] [2]+4 p. \* Paper, 5c.  
L.C. card 64-61982
- 15111 5571. Agricultural commodities, agreement between United States and Yugoslavia, amending agreements of Jan. 5, 1955, Nov. 3, 1956, Dec. 22, 1958, Apr. 28, 1961, and Dec. 28, 1961, as amended effected by exchange of notes signed Belgrade Apr. 15, 1964; [entered into force Apr. 15, 1964]. [1964.] [2]+6 p. \* Paper, 5c.  
L.C. card 64-61868
- 15112 5575. Ionospheric research by satellites, agreement between United States and Canada, effected by exchange of notes, signed Ottawa May 6, 1964; [entered into force May 6, 1964]. [1964.] [2]+5 p. \* Paper, 5c.  
L.C. card 64-61869
- 15113 5577. Austrian property, rights and interests, agreement between United States and Austria signed Washington Jan. 30, 1959, [proclaimed by President of United States May 26, 1964; entered into force May 19, 1964]. [1964.] [2]+32 p. [English and German.] \* Paper, 15c.  
L.C. card 64-61870
- 15114 5578. Law of the sea, convention on Continental Shelf, between United States and other governments, done Geneva Apr. 29, 1958, [proclaimed by President of United States May 25, 1964, entered into force June 10, 1964]. [1964.] [2]+56 p. [English, French, Chinese, Russian, and Spanish.] \* Paper, 20c.  
L.C. card 64-61911
- 15115 5579. Agricultural commodities, agreement between United States and United Arab Republic, amending agreement of Oct. 8, 1962, as amended, effected by exchange of notes signed Cairo Apr. 20, 1964; [entered into force Apr. 20, 1964]. [1964.] [2]+4 p. \* Paper, 5c.  
L.C. card 64-61995
- 15116 5580. Agricultural commodities, agreement between United States and Republic of Philippines; signed Manila May 14, 1964; [entered into force May 14, 1964]; with exchange of notes. [1964.] [2]+10 p. \* Paper, 10c.  
L.C. card 64-61983
- 15117 5581. Trade, cereals, cereal products, and byproducts, agreement between United States and United Kingdom of Great Britain and Northern Ireland, effected by exchange of notes signed London Apr. 15, 1964; [entered into force Apr. 15, 1964]. [1964.] [2]+13 p. \* Paper, 10c.  
L.C. card 64-61997

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

Mailing Address for All Agencies Listed in Washington, D.C.,  
Unless Otherwise Indicated

# AUGUST 1964

- 15118 5582. Cultural relations, exchanges in scientific, technical, educational, cultural and other fields in 1964-65, agreement between United States and Union of Soviet Socialist Republics, signed Moscow Feb. 22, 1964; [entered into force Feb. 22, 1964, with effect from Jan. 1, 1964], with annexes. [1964.] [2]+87 p. [English and Russian.] \* Paper, 30c.  
L.C. card 64-62088
- 15119 5583. Port of Monrovia, transfer of title to Liberia, agreement between United States and Liberia, effected by exchange of notes signed Monrovia Apr. 13 and 14, 1964; [entered into force Apr. 14, 1964]. [1964.] [2]+3 p. \* Paper, 5c.  
L.C. card 64-61998
- 15120 5584. Trade, beef and veal, agreement between United States and Mexico, effected by exchange of notes, signed Washington May 14, 1964; [entered into force May 14, 1964]; with Mexican letter. [1964.] [2]+6 p. [Spanish and English.] \* Paper, 5c.  
L.C. card 64-62094
- 15121 5585. Agricultural commodities, agreement between United States and Brazil, amending agreement of Sept. 11, 1963, effected by exchange of notes signed Rio de Janeiro May 15, 1964; [entered into force May 15, 1964], with agreed minutes and exchanges of notes. [1964.] [2]+10 p. [Portuguese and English.] \* Paper, 10c.  
L.C. card 64-62095
- 15122 5586. Education, financing of educational and cultural programs, agreement between United States and Liberia, signed Monrovia May 8, 1964; [entered into force May 8, 1964]. [1964.] [2]+5 p. 4° \* Paper, 5c.  
L.C. card 64-62096
- 15123 5587. Continental radar defense system, phaseout of certain stations, agreement between United States and Canada, effected by exchange of notes signed Washington May 25, 1964; [entered into force May 25, 1964]. [1964.] [2]+2 p. \* Paper, 5c.  
L.C. card 64-62089
- 15124 5588. Agricultural commodities, sales under title 4, agreement between United States and China, amending agreement of Aug. 31, 1962, as amended, effected by exchange of notes signed Taipei June 3, 1964; [entered into force June 3, 1964]. [1964.] [2]+11 p. [English and Chinese.] \* Paper, 10c.  
L.C. card 64-62090
- 15125 5590. Defense, military assistance, agreement between United States and Dominican Republic, signed Santo Domingo Mar. 8, 1962; [entered into force June 10, 1964]. [1964.] [2]+9 p. [English and Spanish.] \* Paper, 10c.  
L.C. card 64-62091
- 15126 5591. Military mission, agreement between United States and Liberia, renewing and amending agreement of Jan. 11, 1951, as extended and amended, effected by exchange of notes signed Monrovia Dec. 17, 1963, and Apr. 24, 1964; [entered into force Apr. 24, 1964, effective Jan. 11, 1963]. [1964.] [2]+3 p. \* Paper, 5c.  
L.C. card 64-62092
- 15127 5594. Defense, military assistance, agreement between United States and Argentina, effected by exchange of notes signed Buenos Aires May 10, 1964; [entered into force May 10, 1964]. [1964.] [2]+8 p. [English and Spanish.] \* Paper, 10c.  
L.C. card 64-62093

## STATISTICAL REPORTING SERVICE, Agriculture Dept.

- 15128 Agricultural prices, 1963 annual summary. June 1964. 182 p. 4° (Pr 1-3 (64); Crop Reporting Board.) † ● Item 18-C  
L.C. card 46-43547 A 92.16/2: 963
- 15129 Fruits, noncitrus, by States, 1962 and 1963, production, use, value: pt. 1, apricots, bush berries, cherries, figs, grapes, nectarines, peaches, pears, persimmons, plums, pomegranates, prunes. May 1964. 22 p. 4° (FrNt 2-1 (5-64); Crop Reporting Board.) † A 92.11/2: 962-63/pt.1
- 15130 Nursery products, production and sales, 1962 and 1963, January inventory 1963 and 1964, in 6 selected States, ornamentals, deciduous fruit and nut trees, citrus and subtropical fruit trees, grape vines. June 1964. 13 p. il. 4° (SpCr 6-2 (64); Crop Reporting Board.) † ● Item 24-M  
A 92.31: 964
- 15131 Sour cherry report, June 15, 1964. June 22, 1964. [2] p. 4° (FrNt 2-4 (6-64); Crop Reporting Board.) † A 92.11/3: 964

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



## GOVERNMENT PUBLICATIONS

### SYSTEMS RESEARCH AND DEVELOPMENT SERVICE, Federal Aviation Agency

- 15132 Abstracts of technical reports, general distribution, 1st quarterly supplement, calendar year 1963. Apr. 1963. [1]+xi+34+a p. 4° (Administrative Management Division, General Services Branch.) [Issued with perforations.] †  
FAA 2.11/2: 1/supp.1

### TARIFF COMMISSION

- 15133 Beef and beef products, report on investigation no. 332-44 under sec. 332 of Tariff act of 1930 pursuant to resolution of Committee on Finance of Senate adopted Nov. 20, 1963. June 1964. cover title, iv+171 leaves. il. 4° (TC publication 128 [TC 29237].) †  
TC 1.2: B 39
- 15134 Determination of no injury or likelihood thereof: White portland cement from Japan. July 9, 1964. 14 p. 4° (TC publication 129: AA1921-38.) †  
TC 1.31: C 33/2

### TECHNICAL SERVICES OFFICE, Commerce Dept.

#### Patent abstract series.

- 15135 supp. 6. Government-owned inventions available for license, accumulated Jan.-Dec. 1963. [1964.] iii+108 p. 4° Φ Paper, \$1.00 (PB 181669).  
L.C. card 56-61052  
C 1.33: supp.6

### TRANSPORTATION CORPS (Army), Defense Dept.

#### TRECOM technical reports. (Army Transportation Research Command, Fort Eustis, Va.)

- 15136 64-7. Research on light truck highway train [with list of references]; prepared by Irmin O. Kamm and Robert B. Schwartz, Davidson Laboratory, Stevens Institute of Technology, [Hoboken, N.J.]. Mar. 1964. [1]+vii+34 p.+ [2] leaves. il. 4° (Task 1D543006D40405, contract DA44-177-AMC 1(T); report 995.) Φ (Price upon application).  
D 117.8/2: (nos.)
- 15137 64-12. Feasibility investigation of harmonic drive speed reducers for helicopter applications [with bibliography]; prepared by Kaman Aircraft Corporation, Bloomfield, Conn. May 1964. cover title, [1]+x+108+[4] p. il. 4° (Task 1D121401D14414, contract DA 44-177-TC-716.) Φ (Price upon application).
- 15138 64-19. Investigation of terrain roughness, final report; prepared by [Frank Turner and A. J. Bossert] Midwest Research Institute, Kansas City, Mo. May 1964. [1]+vi+30+[4] p. il. 4° [Text on p. 2 of cover.] (Task 1D021701A04902 (formerly task 9R97-01-005-02), contract DA 44-177-TC-846.) Φ (Price upon application).

### TREASURY DEPARTMENT

#### Department circulars. †

T 1.4/2: (nos.)

- 15139 830. Regulations governing transactions by Treasury Department disbursing officers under act of Dec. 23, 1944, as amended, 1st revision, supp. 5. July 7, 1954. 1 p. 4° (Fiscal Service, Bureau of Accounts.)
- 15140 918. Regulations governing withholding for State and Territorial income tax purposes on compensation of Federal employees, under act of July 17, 1952, supp. 4, amdt. 4. Agreement with Alaska. June 15, 1964. 1 p. 4° (Fiscal Service, Bureau of Accounts.)

### UNITED STATES INFORMATION AGENCY

- 15141 21st report to Congress, July 1-Dec. 31, 1963. [1964.] cover title, 48 p. il. 4° † ● Item 672-B  
L.C. card 54-61257  
IA 1.1: 21

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

## AUGUST 1964

### URBAN RENEWAL ADMINISTRATION, Housing and Home Finance Agency

- 15142 Urban renewal project characteristics, Dec. 31, 1963. [1964.] [1]+55 p. 4° [Relates to projects approved under title 3, Housing act of 1954, and title 1, Housing act of 1949.] †  
L.C. card 56-63831 HH 7.8: 963

### VETERANS ADMINISTRATION

- 15143 Older American veteran; [prepared in cooperation with President's Council on Aging.] [1964.] cover title, 19 p. [Illustration on cover.] †  
VA 1.2: O1 1

VA pamphlet. ● Item 988

- 15144 1-1. Board of Veterans Appeals, rules of practice. 1964 edition. 1964. cover title, iii+16 p. [Text on p. 2 of cover. Supersedes 1962 edition.] †  
● Item 988  
L.C. card 63-61191 VA 1.19: 1-1/3

### VETERANS' REEMPLOYMENT RIGHTS BUREAU, Labor Dept.

- 15145 Legal guide and case digest, Veterans' reemployment rights under Universal military training and service act, as amended, and related acts. [1964.] xxxvii+1342 p. [Prepared in cooperation with Office of Solicitor of Labor. Issued with perforations.] \* Paper, \$4.25.  
● Item 773-A.  
L.C. card L 64-58 L 25.6/2: L 52

### WAGE AND HOUR AND PUBLIC CONTRACTS DIVISIONS, Labor Dept.

Interpretive bulletin, title 28 of Code of Federal regulations.

- 15146 pt. 785. Hours worked, under fair labor standards act of 1938, as amended Reprinted June 1964. [1]+13 p. 4° (WHPC publication 1047.) [Text of Code, up to and including Jan. 1, 1964.] † ● Item 778 L 22.10: 785/5
- 15147 Message to young workers about Fair labor standards act (Federal wage-hour law). May 1964. [6] p. il. narrow 8° (WHPC publication 1105.) † ● Item 777 L 22.2: F 15/8
- 15148 Minimum wage rates in Puerto Rico under Fair labor standards act. [Revised June 1964.] [1964.] 7 p. 4° (T.W.D.-1; WH64-1132.) †  
L 22.2: W 12/5/964
- 15149 Quick look at hours worked under Fair labor standards act as amended 1961. Apr. 1964. [1]+9 p. il. narrow 8° (WHPC publication 1108.) † ● Item 777 L 22.2: H 81/964

### WEATHER BUREAU, Commerce Dept.

- 15150 Building tomorrow's weather systems, career opportunities for engineers and physicists. [1964.] [16] p. il. oblong 8° \* Paper, 25c. ● Item 275  
C 30.2: W 37/9
- 15151 Climate of Texas and adjacent Gulf waters [with bibliographies; by] Robert B. Orton. 1964. xviii+195 p. il. 4° \* Paper, \$1.00. ● Item 275  
L.C. card 64-62118 C 30.2: T 31
- Climatic summary of United States, supplement for 1931-52, Climatology of United States no. 11-(nos.). [Supplement to Climatic summary of United States, Bulletin W, 1930 edition.] ● Item 273-B
- 15152 4. California. [1964.] 156 p. il. oblong 8° [Known errors in last print have been corrected in this reprint.] \* Paper, 70c. C 30.3/2: 4

\*For Sale by Superintendent of Documents

ΦFor Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated

# GOVERNMENT PUBLICATIONS

- 15153 Current Federal meteorological research and development activities, fiscal year 1964. June 1964. xxvii+97 p. 4° \* Paper, 60c. ● Item 273-E  
L.C. card 63-62133 C 30.75/2:964

Decennial census of United States climate: Climatic summary of United States, supplement for 1951-60, Climatography of United States no. 86-(series). ● Item 273-B C 30.71/8: (nos.)

- 15154 1. Alabama. 1964. 70 p. il. oblong 8° \* Paper, 35c.  
15155 2. Arizona. 1964. 96 p. il. oblong 8° \* Paper, 45c.

Key to meteorological records documentation 6.11: Decadal census of weather stations. ● Item 275-C

- 15156 California. 1964. [15] p. il. 4° \* Paper, 10c. C 30.66/3: C 12  
15157 Idaho. 1964. [8] p. il. 4° \* Paper, 5c. C 30.66/3: Id 1  
15158 Michigan. 1964. 8 p. il. 4° \* Paper, 5c. C 30.66/3: M 58  
15159 Minnesota. 1964. [8] p. il. 4° \* Paper, 5c. C 30.66/3: M 66  
15160 Nebraska. 1964. [8] p. il. 4° \* Paper, 5c. C 30.66/3: N 27  
15161 New England. 1964. 21 p. il. 4° \* Paper, 15c. C 30.66/3: N 42e  
15162 Oklahoma. 1964. [8] p. il. 4° \* Paper, 5c. C 30.66/3: Ok 4

- 15163 Storage-gage precipitation data for Western United States, v. 8, July 1962-June 1963. Asheville, N.C., 1964. 49 p. il. 4° \* Paper, 50c.  
C 30.59/45: 8

- 15164 Tornado safety rules, when tornado approaches, your immediate action may mean life or death [flyer]. Revised Apr. 1964. [1964.] 10.5 x 8 in. [Contains on reverse: Tornado information.] \* Paper, \$1.50 per 100; single copy, 5c. ● Item 278-A C 30.6: T 63/2/964

## WELFARE ADMINISTRATION, Health, Education, and Welfare Dept.

- 15165 Demonstration projects in public assistance; [by Winifred Bell]. [1964.] 8+[1] p. 4° [Reprinted from Welfare in review, May 1964.] †  
FS 14.10/a: D 397

Federal assistance for projects in aging (series). † FS 14.12: (nos.)

- 15166 5. Demonstrations of selected services: Community health services for chronically ill and aged, project grants program of Public Health Service. Mar. 1964. [8] p. ([OA 704]; Office of Aging.)  
15167 6. Research and demonstration: Mental health project grants program of National Institute of Mental Health, Public Health Service. Apr. 1964. [11] p. ([OA 705]; Office of Aging.)

- 15168 Highlights of legislation on aging: Bills affecting older persons, introduced Jan.-Dec. 1963, 88th Congress, 1st session. Mar. 1964. 17 p. 4° (Office of Aging, OA 513.) [Issued with perforations.] †  
L.C. card HEW 63-48 FS 14.9/2: 963/7

- 15169 Opportunities for older Americans, guide for Senior Citizens Month, May 1964. [1964.] [2]+9 p. (Office of Aging.) [Includes list of aids for Senior Citizens Month.] † ● Item 532-A-4 FS 14.8: Ol 1

- 15170 Projects aided under Cooperative Research and Demonstration Grants Program. [1964.] p. 20-23, 4° [Reprinted from Welfare in review, June 1964.] †  
FS 14.10/a: C 78

- 15171 Small town organizes basic services for its aging. [1964.] 4 p. il. 4° (Aging; OA 140.) [Reprinted from Aging, no. 109, Nov. 1963.] †  
FS 14.9/a: Ag 47

## WOMEN'S BUREAU, Labor Dept.

- 15172 Address by Mary Dublin Keyserling, director of Women's Bureau, Department of Labor, United Packinghouse, Food, and Allied Workers Convention, Kansas City, Mo., May 25, 1964. [1964.] 13 leaves, 4° †  
L 13.12: K 52

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Mailing Address for All Agencies Listed Is Washington, D.C., Unless Otherwise Indicated



# AUGUST 1964

## Bulletins.

L 13.3: (nos.)

- 15173 157-18 (rev.). Addendum to Legal status of women in United States: Report for Maine as of Jan. 1, 1958, revised as of May 1, 1964. [1964.] 4 p. †  
● Item 781  
L.C. card L 63-62
- 15174 157-32. North Carolina, temporary guide to changes in North Carolina laws affecting legal status of women as of May 1, 1964 [for use with Bulletin 157-32 (revised) Legal status of women in United States, Report for North Carolina as of Jan. 1, 1957]. [1964.] 10 p. 4° [Includes list of sources.] †  
L.C. card L 63-62
- 15175 288. Job horizons for college women in 1960's: [by Rose Terlin]. 1964. viii+78 p. il. [Includes list of sources. Supersedes Job horizons for college women, published in 1956.] \* Paper, 30c. ● Item 781  
L.C. card L 64-75
- 15176 Labor laws affecting women, capsule summary: North Dakota, July 1, 1964. [1964.] 7 p. 4° ([WB 64-323.]) † L 13.14: N 81 d/964
- 15177 Research and your job, address of Mary Dublin Keyserling, director of Women's Bureau, Department of Labor, before National Federation of Business and Professional Women's Clubs, Inc., Foundation Meeting, Detroit, Mich., July 18, 1964. [1964.] 16 leaves, 4° ([WB-65-15].) †  
L 13.12: K 52/2
- 15178 Women workers in Maine, 1960. [1964.] 14 leaves, 4° ([WB 64-355.]) †  
L 13.22: M 28/960
- 15179 Women workers in West Virginia, 1960. [1964.] 14 leaves, 4° ([WB-64-358.]) †  
L 13.22: W 52v/960

## YARDS AND DOCKS BUREAU (Navy), Defense Dept.

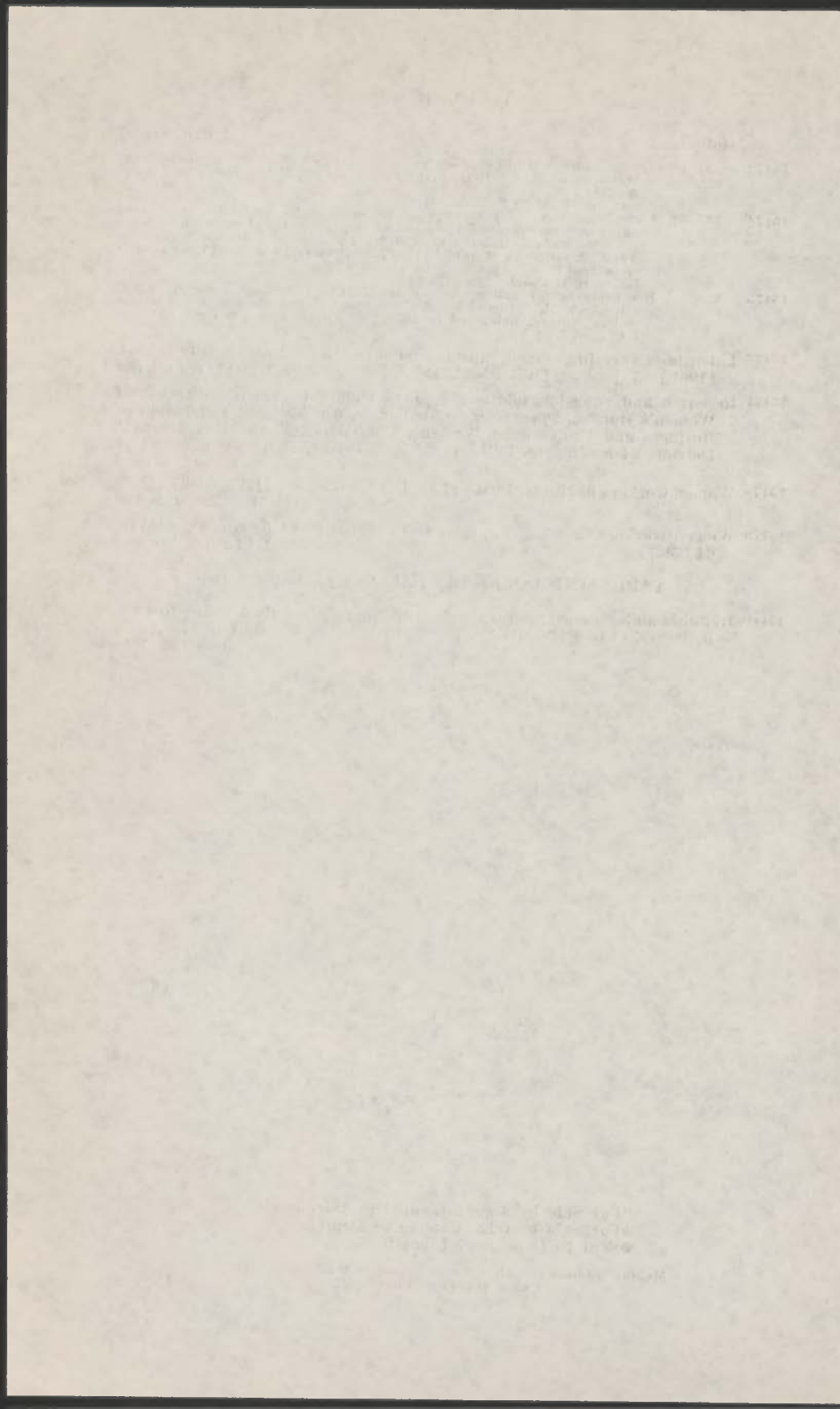
- 15180 Building maintenance: Furniture & furnishings. Jan. 1964. viii+46+4 p. il. 4° (NAVDOKS MO-120.) \* Fabrikoid, \$1.50. ● Item 418-A  
D 209.14: F 98

\*For Sale by Superintendent of Documents

☞For Sale by OTS, Commerce Dept.

●Sent to Depository Libraries

Mailing Address for All Agencies Listed Is Washington, D.C.,  
Unless Otherwise Indicated



# Index

MONTHLY CATALOG, AUGUST 1964

NOTE.—Entries appear in this Index under subjects or titles. Bulletins, circulars, etc., having no specific subjects are entered under the issuing office only. Index citations are to entry numbers in the catalog.

A	Entry	Entry
A.E.C., <i>see</i> Atomic Energy Commission.		Accounts and accounting, instant
A.F.C.R.L., <i>see</i> Air Force Cambridge Research Laboratories.		octal accounting, byproduct of forest growth studies-----
A.F.F.T.C., <i>see</i> Air Force Flight Test Center.		14323
A.M.C., <i>see</i> Army Materiel Command.		Acids, <i>see</i> names of acids.
A.M.S., <i>see</i> Agricultural Marketing Service.		Acoustics, <i>see</i> Sound.
A.P.R.O., <i>see</i> Army Personnel Research Office.		Actinometry, selected articles, USSR- 14909
A.R.A., <i>see</i> Area Redevelopment Administration.		Acts of Congress, <i>see</i> Law.
A.R.S. series-----	13563-571	Adams, Thomas, physiologic evaporative water loss measurement... 13727
AAXICO Airlines, Inc., accident-----	13787	Additives, confectionery, amend food, drug, and cosmetic act, report- 13981
Abdellah, Faye G., patients and personnel speak-----	15061	Addresses, lectures, etc.:
Ablating materials:		by—
reentry, Trailblazer Iib, identified from spectrograms-----	14880	Brody, Leon----- 14676
teflon and polyethylene at convective heating rates from 25 to 420 Btu/ft <sup>2</sup> sec, effective heats of ablation, measurements, errata-----	14835	Brown, Gerald A----- 14960
Ablation, blunted cylinder-flare configuration, flight investigation to Mach number of 8.48-----	14884	Clague, Ewan----- 14708
Absorption spectra, <i>see</i> Spectra.		Donat, George----- 13741
Abstracts, <i>see</i> names of departments, bureaus, etc., issuing abstracts— <i>also</i> subjects.		Eaton, William W----- 13831
Acceleration:		Ford, Frederick W----- 14233
angular, repeated unidirectional, control of arousal and effects on human vestibular responses, task-----	13731	Freeman, Orville L----- 13575-576
biomedical research studies, bibliography-----	13732	Greenberg, Leon----- 14713
high sustained, effects on pilots' performance and dynamic response-----	14843	Gronouski, John A----- 15020-24, 15028
low-cost tape system measures-----	14808	Hodges, Luther H----- 13817-819
Accelerators, high energy, electron installations shielding-----	14932	Holton, Richard H----- 13820
Accelerometric precordial ballistocardiogram (kinetocardiogram) in hypertension-----	14913	13823, 13825
Accidents:		Johnson, Nicholas----- 14723-724
accidental death and injury statistics-----	15040	Kennedy, John F., at his inauguration in 1961 (poster)----- 13920
human aspects of accident barrier (remarks)-----	14676	Keyserling, Mary D----- 15172, 15177
international exchange of statistics on occupational accidents (remarks)-----	14678	Lacroix, Henri P----- 14682
off the job safety as element of total safety (remarks)-----	14681	McBrien, Thomas H----- 14239
prevention, records program of large company (remarks)-----	14680	McMurray, Joseph P----- 13826
<i>see also</i> Aircraft accidents—Motor vehicle accidents—Railroad accidents.		Martin, Clarence D----- 13821
		Morton, James G----- 13577
		Muernberger, George F----- 14680
		Parcher, Frank M----- 14219
		Pollock, Eugene N----- 14679
		President Truman----- 14254
		Roosevelt, Franklin D., jr----- 13827-830
		Russell, Harold----- 14684
		Sawyer, William A----- 14672
		Scotti, Marie----- 14681
		Taylor, Hobart, Jr----- 15034-35
		Wirtz, W. Willard----- 14661-
		662, 14665-666
		Wolfbein, Seymour L----- 14677
		Inaugural address of John F. Kennedy (poster)----- 13920
		MA SP series----- 14723-724
		public papers of Presidents of United States, announcement and order form----- 15037
		Adhesives, epoxy bond, stringent cleaning technique recommended----- 14830
		Adjustment Board, National Railroad, <i>see</i> National Railroad Adjustment Board.
		Adler, Harry F., dysbarism----- 13646
		Administrative management, GSA intern program----- 14336
		Adoptions, interprofessional teamwork to safeguard----- 13778

Do not order from index; see indicated entry

Page 99



# INDEX

	Entry		Entry
Adrenal glands, USSR studies-----	14620	Aged--Continued	
Adsorption, electrostatic, of ions, USSR study-----	14456	housing for the elderly in rural areas, insured loan program, extend-----	
Advanced radar traffic control sys- tem, <i>see</i> Air traffic.		law-----	13889
Advertising, newspaper, affects re- tail sales of broilers and meat.	14171	report-----	14038
Advisory Commission on Intergov- ernmental Relations:		housing problems, hearings-----	14123
appropriations, 1965, report-----	14048	OASDI benefits, estimated distri- bution by income class-----	15086
commission report (series)-----	14139	older American veteran-----	15143
AEC, <i>see</i> Atomic Energy Commission.		opportunities for older Americans, Senior Citizens Month, May 1964, guide-----	15169
Aerial photography:		Aging	
equipment, installation and main- tenance-----	13624	Earlham, Iowa, organizes basic services for its aging-----	15171
two plot transfer devices developed for forest insect trend sur- veys-----	14328	Federal assistance for projects. 15166-167 <i>see also</i> Aged.	
Aerobee rockets, <i>see</i> Rockets.		Aging, Special Committee on, Senate, hearings-----	14121-123
Aerodynamic heating, heat transfer measurements on flat plate and attached fins at Mach nos. of 4.51 and 4.44-----	14873	Agricultural commodities, <i>see</i> Agri- cultural products.	
Aerodynamics:		Agricultural machinery, <i>see</i> Farm im- plements and machinery.	
air loads on man, studies-----	13726	Agricultural Marketing Service, AMS series-----	13557-560
boattailed bodies having turbulent boundary layers, afterbody pressures at Mach 5.98-----	14882	Agricultural products:	
supersonic, handbook-----	15008	agricultural commodities, agree- ment with-----	
<i>see also</i> Flutter (aircraft)--Wings (aircraft).		Bolivia-----	15110
Aeromedical Research Institute, <i>see</i> Civil Aeromedical Research Institute.		Brazil-----	15121
Aeromedical reviews-----	13646	China-----	15124
Aeronautics:		Congo (Leopoldville)-----	15107
civil air regulations, amend- ments-----	14222-225	Philippines-----	15116
Federal aviation regulations-----	14227-230	United Arab Republic-----	15115
<i>see also</i> Air navigation.		Yugoslavia-----	15108-09, 15111
Aerospace, <i>see</i> Outer space.		European Economic Community, trade and finance, statistics-----	14172
Aerospace medicine, <i>see</i> Medicine.		foreign trade, by commodities, cal- endar year 1963-----	14176
Aerospace vehicle, <i>see</i> Spacecraft.		market for U.S. farm products, Japan, trends and develop- ments in economy affecting, 1950-62-----	14174
AFCRL, <i>see</i> Air Force Cambridge Research Laboratories.		marketing, publications, price list-----	15036
AFMTC, <i>see</i> Air Force Flight Test Center.		marketing research reports-----	13586-592
Africa:		orderly liquidation of stocks of agricultural commodities held by Commodity Credit Corpora- tion and expansion of markets for surplus agricultural commodities-----	13594
music, annotated bibliography-----	14715	prices, annual summary, 1963-----	15128
north, Educational Materials Lab- oratory report-----	14183	Agricultural Research Service, ARS series-----	13563-571
translations-----	14475, 14487, 14552, 14561, 14580, 14597	Agricultural trade development and assistance act of 1954:	
west coast, tide tables-----	13813	activities under, semiannual re- port-----	13923
Afterbodies, pressures on 2-dimen- sional boattailed bodies having turbulent boundary layers at Mach 5.98-----	14882	Library of Congress Public law 480 project, accessions list, Israel-----	14717
Age:		Agriculture:	
discrimination in employment by Federal contractors and sub- contractors, Executive order against-----	14669	agricultural adjustment act, amend, report-----	13930
relationship to altitude adaptation and work performance-----	13735	agricultural prices, annual sum- mary-----	15128
Age-adjusted and age-specific death rates for malignant neoplasms, 1960-----	15041	agriculture handbook-----	13578-581
Aged:		agriculture information bulletin-----	13582
bills affecting older persons, in- troduced 88th Cong., 1st ses- sion-----	15168	bibliography, serial publications indexed in-----	14930
Blue Cross and other private insur- ance for the elderly, hear- ings-----	14121	Communist China, translations-----	14656
Federal assistance--		East European, translations-----	14439, 14459, 14501, 14559, 14589, 14611, 14625.
community health services for chronically ill and aged, PHS project grants program-----	15166	fertilization, USSR studies-----	14594
mental health project grants pro- gram of NIMH-----	15167	foreign agricultural economic re- port-----	14173-174
health frauds and medical quackery affecting the elderly, hear- ings-----	14122	Foreign Agricultural Service, mis- cellaneous FAS-M series-----	14289-292
		foreign agriculture, publications, price list-----	15036
		forestry, agricultural programs (address)-----	13577
		USSR--	
		report of 1963 U.S. Agriculture Exchange Delegation-----	14173
		translations-----	14572

	Entry
Agriculture and Forestry Committee, Senate:	
hearings	14124
report	14074
Agriculture Committee, House:	
hearings	13986-987
reports	13930, 13949
travel authorization, report	13960
Agriculture Department:	
appropriations, 1964, supplemental proposal	14025
budget, 1965, amendments	14024-25
handling of grain storage opera- tions of Billie Sol Estes, hear- ings	14001
leaflets	13584-585
marketing research reports	13586-592
miscellaneous publication	13593
PA (program aid) series	13595-596
statistical bulletins	13598-599
Aguinaldo, Pedro, relief	14041
AIB series	13582
Air, hypersonic aero-dynamic char- acteristics of winged shapes in air and helium, comparison	14866
<i>see also</i> Air pollution—Atmosphere.	
Air carriers:	
blind passengers, guides, report	13973
certification and operation rules, civil air regulations, amend- ments	14222
Air filters, <i>see</i> Filters and filtration.	
Air Force:	
airmen, qualifying examination, use to predict completion of basic training	13635
officers, erroneously paid uniform allowances, relief, report	13934
Air Force Cambridge Research Lab- oratories:	
AFCRL series	13600-611
Air Force survey in geophys- ics	13626-627
environmental research pa- pers	13628-630
instrumentation papers	13631-632
physical sciences research pa- pers	13636-645
report on research	13600
Air Force Department:	
aerospace vehicles, information handbook	13625
AFCRL series	13600-611
AFFTC technical documentary reports	13612-623
Air Force manual	13624
Air Force pamphlet	13625
Air Force surveys in geophys- ics	13626-627
Assistant Secretary, nomination of Leonard Marks, jr., hearing	14127
environmental research papers	13628-630
instrumentation papers	13631-632
land conveyance to Oroville, Calif., report	14114
Personnel Research Laboratory, technical documentary re- ports	13633-635
physical sciences research pa- pers	13636-645
WADD technical report	13652
Air Force Flight Test Center, techni- cal documentary reports	13612-623
Air Force Reserve, officers, promotion to existing unit vacancies, au- thorize, report	13940
Air navigation, sight reduction tables, selected stars	14995
Air pollution:	
kraft pulping industry, bibliog- raphy	15047
sanitary protection in USA, Soviet report	15062

	Entry
Air speed:	
harmonic drive speed reducers for helicopter applications, feasi- bility investigation	15137
minimum flying speed of delta-wing airplane, demonstrating	14870
Air traffic:	
control, ARTS, advanced radar traf- fic control system, Atlanta fa- cility training manual	14221
management problems, pre-employ- ment, etc., experience compared with aptitude tests in predict- ing performance of control spe- cialists	13733
special rules and airport patterns, Federal aviation regulations	14229
Air Traffic Service:	
communications procedures, hand- book	13654
flight assistance service, manual, change	13653
manual	13653
Aircraft:	
certification and operation rules, civil air regulations, amend- ments	14222
conveyances, validity of titles, law	13895
flight vehicular structures, metal- lic materials and elements, change	14162
maintenance, preventive mainte- nance, rebuilding and altera- tion, Federal aviation regula- tion	14228
performance measurement in flight simulation studies	14790
reinforced plastics for flight vehi- cles, military handbook	14163
V/STOL analysis report for simu- lation purposes	15005
<i>see also</i> Airplanes—Helicopters— Sonic boom—Spacecraft.	
Aircraft accidents:	
investigation reports	13786-790
lightplane safety, human factors aspects	13737
Aircraft engines, <i>see</i> Engines (air- craft).	
Aircraft materials, <i>see</i> Materials.	
Aircraft repair stations, Federal avi- ation regulations	14230
Airfoils, sharp and circularly blunt- wedge, theoretical aerody- namic characteristics	14904
Airglow, rocket spectrophotometer measurements in far ultravio- let	14889
Airmen, carefulness battery, valida- tion against training school criteria	13633
<i>see also</i> Air Force.	
Airplanes:	
airworthiness, transport categories, civil air regulations, amend- ments	14222
C-130-E, limited category 2 stabili- ty and control tests	13615
C-135 B— category 2 performance tests	13613
appendix	13614
limited category 2 stability and control tests	13616
cockpit voice recorders, installation, civil air regulations, amend- ments	14222
delta-wing, demonstrating minimum flying speed	14870
Piper PA-18A, spray distribution patterns	13566
radio-controlled parawing model, stalling and tumbling	14852

# INDEX

	Entry		Entry
Airplanes—Continued		Altitude:	
supersonic configuration, parawings		high, acclimatization, relationship	
as auxiliary lifting devices,		of age and work performance	13735
low-speed longitudinal aerody-		national rocket test facilities	14833
namic investigation	14879	Alumina, imported for use in pro-	
transport, take-off performance of		ducing aluminum, suspension	
representative supersonic con-		of duty, law	13910
figurations	14855	Aluminum foil, converted, 1963, cur-	
USAF aerospace vehicles, informa-		rent industrial reports	13750
tion handbook	13625	Ambassadors, American ambassador,	
X-15, YLR99-RM-1 rocket engine		role in national security,	
operating experience	14899	study	14138
YAT-37D systems evaluation	13619	AMC, see Army Materiel Command.	
see also Sonic boom.		America, rare sea mammals	14274
Airports, Federal act, amend, law	13897	American Federation of Labor and	
see also Air traffic—also names of		Congress of Industrial Organi-	
places where located.		zations, agreement with Post	
Alabama, climatic summary, 1951-60,		Office Department	15205
decennial census	15154	American nationals, repatriates, tem-	
Alabama (U.S.S.):		porary assistance, extend, law	13896
Panama Canal, permit passage		American River division, see Central	
without toll charges, report	13977	Valley project.	
Alaska:		Amharic language, Foreign Service	
income tax, withholding on compen-		Institute, basic course	15094
sation of Federal employees,		Ammunition, loading terminals	14206
regulations governing	15140	Amplifiers:	
Matanuska formation, stratigraphic		traveling wave tube re-entrant	
reconnaissance	14339	amplifier serrodyne system	14846
military departments methods of		tunnel diode, model EK/A-S, etc.	13618
shipping automobiles of Armed		AMS, see Agricultural Marketing	
Forces personnel to and from			
Alaska, amend United States		Analeptics, see Medicine.	
Code—		Analog computers, see Electronic	
hearing	13989	computers.	
report	13943	Analytical chemistry, see Chemistry.	
omnibus act, amend—		Ancient Arabic Order of Nobles of	
hearing	14140	Mystic Shrine, regulations for	
reports	13953, 14067	1965 convention, report	14107
postal service after earthquake		Anderson, Carl L., alcoholism, se-	
(address)	15022	lected bibliography	14946
reconstruction grants—		Anderson, Richard J., one-trial learn-	
hearing	14140	ing and quantum psychophys-	
reports	13953, 14067	ics, synthesis	15006
transitional grants, appropriations,		Anderson, Rodney D.:	
1965—		foreign trade regulations of—	
law	13904	Guatemala	14374
report	13951	Nicaragua	14384
Alaska, Gulf of, scallop explora-		Angle of attack:	
tions	14272	flow fields about cylinders at zero	
Albania, press information re-		angle of attack, parametric	
ports	14429, 14453	study	14785
Albany, N.Y., occupational wage		small, supersonic flow around	
survey	14695	right circular cones	14796
Albany Metallurgy Research Center:		Angolese National Liberation Front,	
cobalt 60 facility, high-level gam-		activities	14552
ma ray dosimetry	14747	Animals:	
metallurgical progress report	13719	health, guardians, veterinarian and	
Alcohol and Tobacco Tax Division,		FDA	14286
see Internal Revenue Service.		husbandry—	
Alcoholism, selected bibliography	14946	Communist China, translations	14656
Aldrich, R. C., two plot transfer de-		Rumania, scientific research	14556
vices developed for aerial pho-		wild, free importation, report	14098
tographic forest insect trend		see also Marine fauna.	
surveys	14328	Anion exchange resins, see Resins.	
Alexander, Vida O., official opinions		Annuities, Foreign Service retirement	
of Attorneys General	14660	and disability system, adjust-	
Alexander County, Ill., development		ment, report	13968
program, suggestions for mak-		Annullment of marriage, see Marriage.	
ing more effective	13660	Anthrax mines, see Coal mines and	
Algeria, educational data	14182	mining.	
Alien enemy property, see Enemy		Anthraxnose, walnut, identification	
property.		and control	14299
Allen, W. K., traveling wave tube		Antipodal image of electromagnetic	
re-entrant amplifier serrodyne		source	13640
system	14846	Antitrust laws, see Monopolies—	
Allocation, optimum computerized		Trusts (industrial).	
system development for Army		Appalachian Development Corpora-	
enlisted personnel	13687	tion, create, hearings	14015
Alloys, nickel-base, M 252, effect of		Appalachian region:	
heat treatment on mechanical		development act of 1964, hearings	14015
properties, USSR studies	14419	economic conditions of area (re-	
see also names of metals, etc.		marks)	13827
		southern, rainfall interception by	
		hardwood forest litter	14332



	Entry		Entry
Appalachian Regional Commission, establish, hearings-----	14015	Armed Forces—Continued	
Apparel, <i>see</i> Clothing.		personnel, automobiles, military departments methods of shipping to and from Alaska, amend United States code—	
Apprentices, apprenticeship and training representative, examination announcement-----	13807	hearing-----	13989
Appropriations:		report-----	13943
deficiency, 1964, law-----	13867	status of forces, NATO treaty, criminal jurisdictional operation, report-----	14100
general Government matters, 1965, continue-----		transportation of house trailers and mobile dwellings of members of uniformed services, increase allowances, report-----	14117
law-----	13875	<i>see also</i> Pay, allowances, etc.	
report-----	14066	Armed Services Committee, House:	
<i>see also</i> subjects, or names of departments, for which appropriations are made.		hearings-----	13988-995
Appropriations Committee, House, report-----	13950	reports-----	13932-937,
Appropriations Committee, Senate:		13939-945, 13947.	
hearings-----	14125	Armed Services Committee, Senate:	
reports-----	14048, 14066	hearings-----	14125, 14127
Apricots, production, use, value, by States, 1962-63-----	15129	reports-----	14053, 14069-70,
APRO, <i>see</i> Army Personnel Research Office.		14094-97, 14100, 14110-119.	
Aptitude tests:		Armed services papers-----	13988-995
airman qualifying examination use to predict completion of basic training-----	13635	Armed Services Technical Information Agency:	
merchandising your job talents-----	14200	descriptors thesaurus, supp-----	14165
predictors of air traffic control specialists performance-----	13733	handbooks, etc., cataloged, report bibliography-----	14166
real work tests for untestable youth-----	14663	Arms control, <i>see</i> Disarmament.	
Aquariums, experimental, sea-water systems-----	14282	Army:	
Aquifers, mechanics of aquifer systems (series)-----	14346	communications, troop topics-----	13675
ARA, <i>see</i> Area Redevelopment Administration.		enlisted personnel, allocation, optimum computerized system development-----	13687
Arbitration, <i>see</i> Industrial arbitration.		Judge Advocate legal service, pamphlets-----	13671-674
Archives, <i>see</i> Records.		officers, erroneously paid uniform allowances, relief, report-----	13934
Area redevelopment, <i>see</i> Redevelopment (city planning, etc.).		peer rating stability in changing groups-----	13686
Area Redevelopment Administration:		personnel, learning to live overseas, pamphlet-----	13676
ARA case book series-----	13656	procurement legal service, pamphlet-----	13679
ARA field reports-----	13657-660	troop topics-----	13675
ARA staff study-----	13661	<i>see also</i> Pay, allowances, etc.	
overall economic development programs, guidebook for redevelopment area organizations-----	13662	Army Department:	
Area redevelopment bookshelf of community aids-----	13662	Army regulations-----	13670
Argentina:		Assistant Secretary, nomination of Daniel M. Luevano, hearing-----	14127
defense, military assistance, agreement-----	15127	pamphlets-----	13671-679
foreign trade regulations-----	14380	technical manuals-----	13680-684
Argon, thermophysical properties from 0 to 300° K, bibliography-----	14941	Army Engineer Research and Development Laboratories, technical report, TR series-----	14201
Arizona:		Army Materiel Command, AMC pamphlet-----	13669
climatic summary, 1951-60, decennial census-----	15155	Army Medical Research and Nutrition Laboratory, Fitzsimons General Hospital, reports and reprints, bibliography-----	13688
Gambel oak, specific gravity-----	14325	Army Personnel Research Office:	
public land, sell to Kalbab Lumber Co.-----	13863, 14031	USAPRO technical research note-----	13685
Arkansas River and Valley, stability of riprap and discharge characteristics, overflow embankments-----	14212	USAPRO technical research report-----	13687
Armament kits:		Army Reserve, officers, promotion to existing unit vacancies, authorize-----	13940
XM-5, equipment for UH-1B helicopter, flight evaluation-----	13621	Army Transportation Research Command, technical reports-----	15136-138
XM-6E2, evaluation of UH-1D equipped with kit-----	13620	ARS series-----	13563-571
Armed Forces:		Art, grants for encouragement, hearings-----	13998
enlisted members, cancellation of indebtedness, authorize, report-----	13941	Arteries, extremital nerves, influence of gravitational overloads, USSR study-----	14616
members, dependents, evacuation from Panama and Cyprus, payment of expenses, authorize, report-----	13937	Arterioplasty, human morphological changes with lavsan prosthesis, USSR study-----	14612

# INDEX

	Entry		Entry
Arts, National Foundation, <i>see</i> National Arts Foundation.		Atmospheric entry—Continued	
Asia, market indicators for	14372	tumbling bodies theory, application to probe vehicles and Australian tectites	14905
Asphyxia, report of 5 accidents involving asphyxiation of 6 drivers	14405	Atmospheric temperature, <i>see</i> Temperature.	
Assistance, <i>see</i> Public assistance.		Atomic energy:	
ASTIA, <i>see</i> Armed Services Technical Information Agency.		act of 1954, amendments, reports	13957, 14078
Astrobiology, <i>see</i> Space biology.		community act of 1955, amendments, reports	13957, 14078
Astronautics, first manned group flight into outer space, Aug. 11-12, 1962, USSR study	14613	conditions and limitations on general license provisions of 10 CFR 150.20, rules and regulations	13720
Astronauts:		controlled nuclear fusion	13723
pilots' performance, effects of high sustained acceleration	14843	literature, bibliographies issued or in progress	13708
use of man in rocket guidance and control	14789	understanding the atom series	13723-725
Astronomers, examination announcement	13798	Atomic Energy Commission:	
Astronomy, astronomical phenomena, 1967	14989	AEC research and development report	13689-719
<i>see also</i> Radio astronomy.		appropriations, 1965, authorizing, law	13882
Astrophysics, cometary, study	14772	official values for amount of U-235 isotope in natural uranium	13716
ATC manual	13653	research and development in progress, biology and medicine	13711
Atkinson, Charles H., feasibility of using nuclear explosions to increase petroleum recovery	14764	story of Nevada Test Site	13722
Atlanta, Ga., terminal, advanced radar traffic control system, facility training manual	14221	Atomic Energy Joint Committee, reports	13957, 14078
Atlantic Ocean:		Atomic warfare, French military and nuclear developments, press reports	14581
North—		Atoms:	
station Delta, 44° N, 41° W, oceanographic observations	13815	recombination, taken into account in measurement of temperature of free atmosphere	14922
station Echo, 35° N, 48° W, oceanographic observations	13814	understanding the atom series	13723-725
northwest, fisheries convention of 1949, protocol, report	14029	ATS, <i>see</i> Air Traffic Service.	
radio navigational aids, 1964, change	14993	Attorney General, <i>see</i> Justice Department.	
Atlantic States:		Auburn-Folsom South unit, <i>see</i> Central Valley project.	
north Atlantic slope basins, surface waters, Oct. 1950-Sept. 1960, records—		Auditors, examination announcement	13796
Maine to Connecticut	14351	Australia, tectites, application of theory of tumbling bodies entering planetary atmospheres	14905
New York to York River	14352	Austria:	
Atmosphere:		foreign trade regulations	14381
absorption of thermal radiation in 9.6 $\mu$ ozone band region	14915	return of property, rights and interests, agreement	15113
optics, (USSR articles)	14909	Autoantibodies, specificity in burn sickness, USSR study	14473
ozone, effects of non-photochemical processes on meridional distribution and total amount	14844	Automated approach to technical information retrieval, library applications	15078
special distribution of outgoing radiation	14917	Automatic data processing equipment, <i>see</i> Electronic data processing systems.	
thermal radiation of CO <sub>2</sub>	14916	Automation:	
upper—		challenge (address)	14662
chemiluminescence from atomic oxygen-nitric oxide, reaction under pressure conditions	14780	continuous furnaces, USSR study	14629
Project Firefly, 1962-63	13630	modelling of automatic control systems, USSR study	14438
rocket spectrophotometer air-glow measurements in far ultraviolet	14889	relationship to productivity and employment, current developments (paper)	14713
ultraviolet spectroscopy	14769	Automation of instruction, <i>see</i> Teaching machines.	
USSR bibliography	14926	Automation, Technology, and Economic Progress, National Commission on, <i>see</i> National Commission on Technology, Automation, and Economic Progress.	
Venus, exploration by simple capsule	14839	Automobiles:	
water vapor content, spectroscopic method of integral determination	14919	Armed Forces personnel, military departments methods of shipping to and from Alaska, amend United States code—	
Atmospheric entry:		hearing	13989
reentry, capability of proportional-type lateral control system in providing aerodynamic heading-angle trajectory control	14876	report	13943
spacecraft, deployable centrifugally stabilized structures	14782		
spectrographic data from reentries of Trailblazer IIb	14880		

Entry	Entry
Automotive vehicles, <i>see</i> Motor vehicles.	Barrett, Robert E., statistical techniques for describing localized vibratory environments of rocket vehicles----- 14847
Aviation, <i>see</i> Aeronautics.	Barrood, Denise H., relief----- 14040
Aviation machinists, mate J 3 & 2, Navy training course----- 14997	Batesville, Ark., manganese resources of district, field investigations, July 1956-June 1961----- 14760
Aviation medicine, <i>see</i> Medicine.	Battle of Lake Erie Sesquicentennial Celebration Commission, establish, law----- 13878
Aviation storekeeper, 3 & 2, Navy training course----- 14998	Bauman, Alvin, employee earnings in miscellaneous retail stores, June 1962 retail stores and proprietary stores----- 14693
Aviators:	Bauxite, ore, etc., provide suspension of import duty, law----- 13910
pilot performance during extended periods of low-altitude high-speed flight----- 14776	Bearings (machinery):
pilots' performance, effects of high sustained acceleration----- 14843	gas-lubricated, elastic orifice automatically regulates----- 14800
Awards (arbitration):	Beck, Helen L., closed short-term group, treatment adjunct for parents of mentally retarded children----- 13776
National Railroad Adjustment Board----- 14982-986	Becoming a citizen series----- 14360
Axial-load fatigue properties of PH 15-7 Mo stainless steel in condition TH 1050 at ambient temperature and 500° F----- 14887	Beef:
Ayrshire cattle, <i>see</i> Cattle.	beef and products, industry, investigation under sec. 332 of tariff act----- 15133
Azimuthal magnetic field of thick, finite-length, helical solenoid----- 14895	imports, restrict-----
Aztec Ruins National Monument, general information----- 14963	hearings----- 14135
<b>B</b>	
Babcock, Clarence O.:	report----- 14098
calcium and calcium compounds----- 14733	trade agreement with Mexico----- 15120
strontium----- 14765	Beetles, elm leaf beetle----- 13584
sulfur in 1963----- 14766	Behavior:
Bachmann, Joyce C., investment factors in Republic of Korea----- 14382	antisocial, of minor in United States, statistical aspects----- 13783
Backfills, <i>see</i> Hydraulic mine filling.	mentally retarded, report of President's Panel----- 15029
Bacterial warfare, protection of grain products from radioactive, chemical, and bacterial substances discussed, USSR study----- 14591	Belgium, extradition convention, supplementary----- 14027
Baggett Transportation Co., accident----- 14405	Bell, Winifred, demonstration projects in public assistance----- 15165
Baker, Robert G.:	Benjamin, Jesse, occupational wage survey, Albany-Schenectady-Troy, N.Y.----- 14695
financial and business interests, investigation-----	Benthos, ecology of benthonic species----- 14342
hearings----- 14156	Benzylaminopurine, quality and respiration rates in stock flowers treated----- 13560
report----- 14104	Beran, Ivan D., relief----- 13846
Baker, Roger C., ground-water resources of lower Rio Grande Valley area, Tex----- 14348	Berard, Paul F., metalworking machinery, summary for 1963----- 13756
Balance of payments, interest equalization tax on foreign securities, impose, hearings----- 14134	Berries, bush, production, use, value, by States, 1962-63----- 15129
Balderston, J. Michael, application of integrated circuits to telemetry systems----- 14838	Berry, Frederick H., walnut anthracnose----- 14299
Ballistocardiography, <i>see</i> Kinetocardiography.	Berry, Leslie A., computation of Hankel functions----- 14940
Banking and Currency Committee, House:	Bertram, Mitchel H., correlation graphs for supersonic flow around right circular cones----- 14872
hearing----- 13996	Beryl, continuous flotation from spodumene mill tailing, Foote Mineral Co., Kings Mountain, N.C----- 14748
subcommittee print----- 13997	Beryllium:
Banking and Currency Committee, Senate:	minerals yearbook chapter----- 14729
committee prints----- 14129, 14131	solvent extraction of Spor Mountain, Utah, ore----- 14751
hearings----- 14128, 14130	Bessel functions, computation of Hankel functions----- 14940
reports----- 14058, 14059-60	Beyster, J. R., integral neutron thermalization----- 13692
Bankruptcy:	Bibliography:
act, amend rel. to statutory liens and powers of trustee, report----- 14079	African music----- 14715
taxes, limiting priority and nondischargeability, report----- 14080	agriculture, serial publications indexed in----- 14930
Barger, Ronald, L., specific gravity of Arizona Gambel oak----- 14325	air pollution and kraft pulping industry----- 15047
Barker, F. B., determination of radium in water----- 14349	alcoholism----- 14946
Barker, L. Keith, thrust-vector technique during manual control of lunar landings----- 14853	arms control and disarmament, studies in progress or recently completed----- 15106
Baroch, C. J., design and fabrication of fuel rods with stainless-steel lined zircaloy-2----- 13695	



# INDEX

Bibliography—Continued		Entry	Entry
Army Medical Research and Nutrition Laboratory, reports and reprints	13688	Blackbirds, decoy trap	14275
atomic energy literature	13708	Blackstock, Thomas A., hypersonic aerodynamic characteristics of simple winged shapes in air and helium	14866
biomedical research studies	13732	Blade, O. C., motor gasolines, winter 1963-64	14741
Clearinghouse Exchange of publications of State departments of education, secondary education personnel	14179	Blades, twisted rotating and nonrotating, natural frequencies in coupled bending and torsion	14778
college and university science facilities planning aids	14178, 14196	Blasting: explosion-generated motion scaling laws validity, case study	14754
communications satellites	14799	vibrations, instrumentation to record, design requirements	14763
education, selected references	14193, 14197	Blew, J. Oscar, jr., comparison of wood preservatives in stake tests	14309
Educational Materials Laboratory report	14183	Blind: model reporting area for blindness, statistical report, 1962	14958
elementary education	14193, 14197	public assistance, money payments to recipients, Oct. 1963	14215
farm management, etc.	15036	totally, guide on air carriers, report	13973
handbooks, etc., cataloged by ASTIA	14166	Blindness Statistics, Model Reporting Area, see Model Reporting Area for Blindness Statistics.	
laboratory-industrial cleaning techniques and materials	14167	Bloch, Joseph W., health and insurance benefits and pension plans for salaried employees, spring 1963	14704
lunar surface studies	14798	Blood: circulation, clinical physiology, outline	14912
mollusca of Augustus Addison Gould	14962	renal hemodynamics and renal function, acute and chronic effects of insecticide endrin	13728
Near East and north Africa, Educational Materials Laboratory report	14183	serum protein, change, patients with chronic radiculitis during treatment with vibration baths, USSR study	14575
nuclear science, list	13725	state of hemopoietic tissue in acute radiation sickness under conditions of bone marrow transplantation, USSR study	14592
nuclear science conference literature, availability	13717	thermal burns, interrelationship between plasma loss, hemoconcentration, changes in circulating blood volume and blood pressure, USSR study	14472
Index	13709	Blood circulation, see Blood.	
processing plant feasibility	14236	Blood pressure: adults by age and sex, U.S. 1960-62	15071
research on programmed instruction	14194	hypertension, accelerometric precardial ballistocardiogram	14913
retail merchandising and promotion	15080	thermal burns, interrelationship between plasma loss, hemoconcentration, changes in circulating blood volume, USSR study	14472
rheumatic fever, glomerulonephritis, and streptococcal infections	15043	BLS report series	14685-691
small business	15079-80	Blue crabs, mechanizing industry	14269
store arrangement and display	15079	Blue Cross, see Health insurance.	
thermophysical properties of argon from 0 to 300° K	14941	Bluegrass region, Ky., geochemistry of natural waters	14350
upper layers of atmosphere and space, USSR	14926	Board materials from wood residues	14314
Big Hole National Battlefield, general information	14964	Boards (lumber), see Lumber.	
Big Horn Canyon National Recreation Area, establish, hearing	14141	Boats, see Fishing vessels.	
Bills (congressional): armed services, hearings on miscellaneous bills	13990-991	Bodansky, Harry, U.S. share of world markets for manufactured products, analysis of changes from 1954-61	14395
see also House bills—Senate bills—also subjects of bills.		Bodies (aerodynamics), see Aerodynamics.	
Bioastronautics, biomedical research studies, bibliography	13732	Boilers, power, steel, current industrial reports	13758
Biochemistry, Soviet studies	14569	Boiling water reactors, see Reactors (atomic).	
Biography, USSR scientists	14418	Bokelman, W. Robert, salaries and student charges in land-grant colleges and State universities, 1963-64	14195
Biological warfare, protecting food and water against chemical-biological-radiological attack, USSR translation	14555		
Biology: AEC research and development in progress	13711		
East European scientific abstracts	14422, 14435, 14470, 14564		
recordings, improved electrode for obtaining high quality waveforms	14821		
USSR, scientific abstracts	14424		
see also Space biology.			
Biomedicine, biomedical research studies in acceleration, weightlessness, etc., bibliography	13732		
Birds: Wichita Mountains Wildlife Refuge, list	14279		
wild, free importation, report	14098		
Bishop, Walton B., progressive failure prediction	13642		
Bismuth, mineral yearbook chapter	14730		

Entry	Entry
Boldt, Charles E., root development of ponderosa pine transplants at Lincoln, Nebr.-----	14326
Boldt, Robert F., optimum computerized allocation system-----	13687
Bolivia, agricultural commodities, agreement-----	15110
Bolometers, insertion-loss tester, improved-----	14824
Bolometric corrections, <i>see</i> Stars.	
Bonding materials, stringent cleaning technique assures reliable epoxy bond-----	14830
BONUS power station, <i>see</i> Nuclear reactor power plants.	
Book of the future, USSR study-----	14522
Bookshelf of community aids series-----	13662
Boosters (rocket), <i>see</i> Rockets.	
Borczone, Wiesława M.: relief-----	13865, 14043
Boston, Mass., real property acquisition practices and adequacy of compensation, hearings-----	14016
Botanic Garden, grounds, vehicular tunnel, locate under certain parts, authorize, report-----	14092
Bouland, Heber D., selecting best capacity of truck receiving facilities for country grain elevators-----	13592
Bouncing, molecular bounce-back, test device for preventing-----	14812
Boundaries: international boundary studies-----	15099-101
studies—	
Burma-Laos-----	15100
Cambodia-Laos-----	15099
China-Laos-----	15101
Boundary layers: similar solutions of equations for purely viscous non-Newtonian fluids, errata-----	14849
turbulent, 2-dimensional boattailed bodies afterbody pressures at Mach 5.98-----	14882
Bowie, Fort, National Historic Site, <i>see</i> Fort Bowie National Historic Site.	
Bowman, Malcolm C., persistence of telodrin and DDT on sweet corn as determined by gas chromatography-----	13564
Boxing, professional, undercover activities, monopoly aspects, hearings-----	14150
Brachiopods, fossils in Ordovician tuffs, northeastern Maine-----	14338
Brazil, agricultural commodities, agreement-----	15121
Bread, recipes, Army technical manual-----	13682
Breeding, <i>see</i> Cattle.	
Bribery, sporting contests, prohibit schemes, law-----	13866
Bridge of understanding (address)-----	13821
Bridges, suspension, technical manual-----	13680
<i>see also</i> names of bridges, or bodies of water to be bridged.	
Brier, Glenn W., rainfall calendaricties-----	13628
British Isles, <i>see</i> Great Britain.	
British Honduras, economy, basic data-----	14385
Brody, Leon, remarks, June 25, 1964-----	14676
Brogdon, N.J., stability of riprap, etc., overflow embankments, Arkansas River-----	14212
Broilers, <i>see</i> Poultry.	
Bromine, minerals yearbook chapter-----	14731
Brooke, M. M., common intestinal protozoa of man-----	15045
Brooke County, W. Va., coal preparation characteristics-----	14746
Brown, Gerald A., address, June 30, 1964-----	14960
Brown, Ronald D., stagnation-point heat transfer in arc-heated subsonic stream-----	14840
Brown, Sidney E., retail sales of broilers and meat as affected by price, display area, and newspaper advertising-----	14171
Brown swiss cattle, <i>see</i> Cattle.	
Browning, James C., continuous flotation of beryl from spodumene mill tailing-----	14748
Bryant, Paul J., extreme vacuum technology and clean surface studies-----	14792
Bryce Canyon National Park, general information-----	14965
Buckles, joins web straps quickly, adjusts easily-----	14827
Budge, Hamer H., nomination, hearing-----	14130
Budgets, <i>see</i> names of departments, etc.	
Building: labor and material requirements for private one-family house construction-----	14703
permits, construction reports, announcement and order form-----	13747
Building materials, requirements for private one-family house-----	14703
Buildings: Foreign Service, additional appropriations, report-----	13969
historic sites and buildings, national survey, general information-----	14975
maintenance of furniture and furnishings, Navy policy, proceedings, etc-----	15180
Bulgaria: legal journals, abstracts-----	14646
provincial press, summaries-----	14461, 14571
Bulletins, <i>see</i> Farmers' bulletins—also names of departments, etc., issuing bulletins—also subjects.	
Bulls, DHIA sire summary list, May 1964, Ayrshire, Guernsey, etc-----	13568
Burbank, Jeanne, morphology of PbO <sub>2</sub> in positive plates of lead acid cells-----	15007
Burial: veterans, allowances, amend law—law report-----	13907, 14065
Burkser, Ye. S., meteoritics-----	14906
Burma, Laos boundary, study-----	15100
Burning does not control young hardwoods on shortleaf pine sites in Cumberland Plateau-----	14308
Burns and scalds: burn sickness, autoantibodies, specificity, USSR study-----	14473
functional condition of kidneys and toxic properties of sera of animals after repeated thermal trauma, USSR study-----	14468
dogs after thermal burn, change in interstitial water balance, problem, USSR study-----	14474
thermal burns, interrelationship between plasma loss, hemocentration, changes in circulating blood volume and blood pressure, USSR study-----	14472
Bush, Edgar G., use of solid circuits in satellite instrumentation-----	14836
Business: government speaks to business (address)-----	13823

# INDEX

	Entry		Entry
Business—Continued		Capsules, exploration of atmosphere	
international, publications, check-		of Venus	14839
list	14369	Carbon dioxide, thermal radiation of	
overseas business reports	14372-390	CO <sub>2</sub> in atmosphere	14916
small business—		Carbon monoxide, catalytic reduction	
bibliographies	15079-80	with hydrogen	14773
investment program, hearings	14018	Cardiac output, <i>see</i> Blood	
unrelated taxable income, amend		Cardiology, dynamocardiography,	
Internal revenue code, report	14068	USSR study	14914
Business consolidations, mergers and		Careers, <i>see</i> Civil service—Occupations	
economic concentration in		Carefulness, test battery, validation	
Douglas-fir lumber industry	14331	against training school criteria	13633
<b>C</b>			
C-135B, <i>see</i> Airplanes		Cargo, <i>see</i> Shipping	
C.F.S. series	14263-266	Carles, <i>see</i> Teeth	
C.R.R.E.L., <i>see</i> Cold Regions Research		Carlson, Harry W., numerical method	
and Engineering Laboratory		for design of camber surfaces	
Cabbage, insects, control, field experi-		of supersonic wings with arbitrary	
ments	13563	planforms	14874
Cableways, tramways and suspension		Caroline County, Md., soil survey re-	
bridges, technical manual	13680	port	15091
Cadmium:		Caroline Islands, free-living Cope-	
disposal from national stockpile,		poda	14961
law	13869	Carr, Ira A., Lake Erie explorations,	
minerals yearbook chapter	14732	May–Nov. 1960	14273
Calcium and calcium compounds, min-		Case, Clifford P., testimony, hearings	14156
erals yearbook chapter	14733	Cast iron, white, spectrochemical NBS	
Calculations, <i>see</i> Numerical calcula-		standards preparation	14935
tions		Castings molds, <i>see</i> Molds (forms)	
California:		Castings, investment and chill cast-	
climatic summary, 1931–52	15152	ing, problems	14476
electric rate book	14246	<i>see also</i> Molds (forms)	
northern Coast Ranges, stream hy-		Catalog cards, Library of Congress,	
drology related to optimum dis-		music and phonorecords	14718
charge for king salmon spawn-		Catalogs:	
ing	14357	copyright entries	14158
weather stations, decadal census	15156	Library of Congress, music and	
<i>see also</i> Central Valley project		phonorecords	14718
Callaghan, Edmund E., azimuthal		Catalysts, metallic, interaction with	
magnetic field of thick, finite-		cyclohexane, USSR study	14456
length, helical solenoid	14895	Catalytic reduction of carbon monox-	
Camber (aircraft):		ide with hydrogen	14773
design of surfaces of supersonic		Cattle:	
wings with arbitrary plan-		dairy, DHIA sire summary list,	
forms, numerical method	14874	May 1964, Ayrshire, Guernsey,	
Cambodia, Laos boundary, study	15090	Hostein, Jersey, Brown Swiss,	
Campaigns (political), <i>see</i> Elec-		Milking Shorthorn, and Red	
tions		Dane sires	13568
Campobello International Park, <i>see</i>		forage and management in long	
Roosevelt Campobello Interna-		leaf-slash pine forests	13583
tional Park		Caudill, Arley T., foreign trade reg-	
Canada:		ulations of Spain	14375
continental radar defense system,		Causes and prevention of failure of	
agreement	15123	septic tank percolation sys-	
ionospheric research, agreement	15112	tems	14240
Roosevelt Campobello International		Cedar Bayou, flood control survey,	
Park, establish, law	13911	authorize, report	14089
trade in manufactured products,		Celestial background radiation	13626
1961–62	14392-394	Cells, human malignant tumor, radia-	
Cancer:		tion effect on RNA and RNA	
cells, radiation effect on RNA and		metabolism	14574
RNA metabolism	14574	Cells (electrolytic), <i>see</i> Electrolytic	
malignant neoplasms, age-adjusted		cells	
and age-specific death rates,		Cement:	
1960	15041	portland—	
mortality patterns among U.S. ura-		plastic fibrous reinforcement	14201
nium miners and millers,		white, from Japan, determina-	
1950–62	15044	tion of no injury to U.S. in-	
skin, health information	15050	dustry	15134
Candy, <i>see</i> Confectionery		Census:	
Cantaloupes, <i>see</i> Muskmelons		decennial, climate, United States	15154-155
Cape Henry Memorial, general infor-		government 1962, publication pro-	
mation	14966	gram, list	13771
Capitol:		machine-readable data available,	
grounds, vehicular tunnel, locate		inventory	13769
under certain parts, author-		population 1960, final reports	13773-774
ize, report	14092	<i>see also</i> subjects	
pages, residence, report	14087		
Caporaso, A. P., forest area and tim-			
ber volume in western South			
Dakota	14320		



Entry	Entry
Census Bureau:	Chesapeake Bay, additional bridge
schedule-----	across, report-----
special services performed, machine-readable data available, inventory-----	13748
13769	Chicago, Ill., Federal paperwork jungle, hearing-----
Central America, recent Foraminifera off Central America (series)-----	14014
14342	Chief Joseph Dam project:
Central Arizona project, authorize, construct, and maintain, hearings-----	Chelan division—
14142	construct, etc., Manson unit, report-----
Central force laws for elliptic orbit-----	14052
Central States Forest Experiment Station, report, 1963-----	Interior Dept. report-----
14301	13921
Central Valley project, Auburn-Folsom South unit, construct, etc., hearings-----	Child placing, responsibility under social security act, extend present provision, law-----
14008	13894
Cereals, <i>see</i> Grain.	Child welfare, <i>see</i> Children.
Cereals as food, recipes, Army technical manual-----	Child welfare institutions, cost analysis project-----
13682	13781
Cerium, metal, electrical resistivity from 4° to 300° K-----	Child Welfare League of America, project on cost analysis in children's institutions-----
14761	13781
Cerium isotopes, Ce-144, determination in vegetation and soil-----	Children:
13696	child welfare statistics, 1963-----
Cesium:	Cuban refugees, care away from home, observation of reporter dependent, public assistance to families, money payments to recipients, Oct. 1963-----
thermionic diode, application of study of zero-field electron work function of metal immersed in gas-----	14215
14886	how they develop intellectually, implications of changing ideas, mentally retarded, closed short-term group as treatment adjunct for parents-----
thermionic vapor converters for nuclear applications, research program-----	13776
14786	of veterans with wartime total disability, educational assistance, law-----
Chad, economy, basic data-----	13909
Chad, Lucien W., infrared interference spectrometer, its evaluation, test and calibration-----	phenylketonuric, group guidance for parents-----
14774	13780
Chang In Wu, <i>see</i> Wu, Chang In.	research and informed judgment on grouping children, guide-----
Chapogas, Peter G., prepackaging lettuce at shipping point-----	14186
13591	<i>see also</i> Child placing.
Charleston, W. Va., occupational wage survey-----	Children's Bureau:
14699	project on cost analysis in children's institutions-----
Charlotte, N.C., occupational wage survey-----	13781
14697	statistical series-----
Charts, <i>see</i> special subjects.	13784
Checklists, <i>see</i> subjects.	Chin, J., graphite-matrix fuels development for AVR, final report-----
Chelan division, <i>see</i> Chief Joseph Dam project.	13693
Chemical bond, <i>see</i> Valence.	Chin-Bing, Nora, relief-----
Chemical industries, <i>see</i> Chemicals.	14039
Chemical kinetics, <i>see</i> Chemical reactions.	China:
Chemical reactions, kinetics, homogeneous reactions, tables-----	Communist—
14936	agriculture, animal husbandry and materials-----
Chemical warfare:	14656
protecting food and water against chemical - biological-radiological attack, USSR-----	digest-----
14555	14449
protection of grain products from radioactive, chemical, and bacterial substances discussed, USSR-----	industry, mining, fuels and power-----
14591	14412, 14537, 14643
Chemicals, USSR industrial development, translations-----	journey without adventure and fantasy, USSR book-----
14599, 14631	14451
Chemiluminescence, <i>see</i> Luminescence.	Laos boundary, study-----
Chemistry:	15101
analytical, ORNL master manual of methods—	Po-I-Po distorts facts, USSR article-----
index-----	14518
supplement-----	political and sociological information-----
13712	14413, 14529, 14557, 14655
East European scientific abstracts-----	science and technology-----
14431, 14600	14411, 14532, 14604, 14608, 14624, 14644.
USSR, large-scale development-----	scientific abstracts-----
14533	14447, 14566, 14653
USSR scientific abstracts-----	trade, finance, transportation and communications-----
14577	14531, 14641
<i>see also</i> Biochemistry—Geochemistry—Organic chemistry.	Republic, agricultural commodities, agreement-----
Chemotherapy, tumors, USSR study-----	15124
14617	Chiu, Hong-Yee, supernovae, neutrinos, and neutron stars-----
Chen, Francis F., excitation of electrostatic oscillations in magnetic field-----	14845
13698	Chromatography, gas, persistence of telodrin and DDT on sweet corn-----
Cherries:	13564
production, use, value, by States, 1962-63-----	Chromosphere, <i>see</i> Sun.
15129	Chromium, pentavalent complexes, investigated by means of electron-spin resonance-----
sour, crop production report-----	14622
15131	Chronic Diseases Division, mental retardation program-----
tart cherry industry, Great Lakes States, production costs-----	15059
14170	Chute, A. Hamilton, retail merchandising and promotion-----
	15080

# INDEX

Entry	Entry
Cigarette tobacco, <i>see</i> Tobacco.	
Cigarettes, blended, flavor contribu-	
tion of Turkish tobacco-----	13571
Cincinnati, Ohio, occupational wage	
survey-----	14700
Circuits, <i>see</i> Electric circuits—Elec-	
tronic circuits—Printed cir-	
cuits.	
Circulars, <i>see</i> names of departments,	
etc., issuing circulars.	
Circulation of blood, <i>see</i> Blood.	
Cities and towns:	
health workers, community's inter-	
est in health and safety of (re-	
marks)-----	14672
mass transportation act of 1963,	
law-----	13913
small town organizes basic services	
for its aging-----	15171
standard metropolitan statistical	
areas, U.S. and Puerto Rico,	
1963, defined by Bureau of	
Budget, map-----	13775
<i>see also</i> Redevelopment (city plan-	
ning, etc.).	
Citizens of United States, abundance	
and liberty for all as national	
goal, blueprint for action (ad-	
dress)-----	15024
<i>see also</i> American nationals.	
Citizenship:	
becoming a citizen series, our	
United States-----	14360
Federal textbook on citizenship-----	14360
Citizenship Day, bulletin-----	14359
Civil Aeromedical Research Institute,	
reports-----	13726-737
Civil aeronautics, <i>see</i> Aeronautics.	
Civil Aeronautics Board, regulations,	
revisions-----	13791
Civil air regulations, <i>see</i> Aeronautics.	
Civil defense, <i>see</i> Civilian defense.	
Civil Defense Office:	
FG series-----	13793
Instructor's guide IG series-----	13794
Civil rights:	
act of 1964—	
hearing-----	14017
law-----	13900
report-----	13959
to further realization of national	
goals (remarks)-----	15035
equal employment opportunity pro-	
gram in Post Office Depart-	
ment, summation (address)-----	15028
Civil Rights Commission:	
extend—	
hearing-----	14017
law-----	13900
report-----	13959
Civil service:	
career opportunities, trades and	
crafts-----	13805
examination announcements—	
apprenticeship and training rep-	
resentative-----	13807
astronomer in Federal agencies	
in Washington, D.C. area-----	13798
auditor-----	13796
current-----	13799-802
economist-----	13808
engineer-----	13810
supplement-----	13806
food and drug officer, Food and	
Drug Administration-----	13803
hearing examiner-----	13811
medical officer, amdt-----	13795
postmasters-----	13797
warehouse examiner-----	13809
Civil Service Commission:	
interagency training programs,	
1964-65-----	13804
pamphlet-----	13805
Civil War, 1861-65, naval chronology,	
pt. 4, 1864-----	14996
Civil War Centennial Commission:	
appropriations, 1965—	
law-----	13904
report-----	13951
Civilian defense:	
act of 1950, amend—	
hearing-----	14127
report-----	14070
emergency hospitals—	
custodians handbook-----	15053
pre-positioned and training, stor-	
age locations-----	15052
FG series-----	13793
national plan, authorities, extend—	
hearing-----	14127
report-----	14070
training literature available, list—	
USSR-----	15051
military translations-----	14478
training villages, what they	
should look like-----	14517
Civilians, industrial technology pro-	
gram in textiles-----	13822
Clague, Ewan, address, Apr. 10, 1964—	
Clarendon oil reservoir, hydraulic	
fracture treatments-----	14753
Clark, John B., sea-water systems for	
experimental aquariums-----	14282
Clark, Willie E., index to conferences	
abstracted in nuclear science	
abstracts-----	13709
Classification, crime, logical forms,	
USSR study-----	14452
<i>see also</i> names of substances, ob-	
jects, etc., classified.	
Classification bulletins, Patent Of-	
fice-----	15018-19
Classification tests, <i>see</i> Aptitude	
tests.	
Classrooms, facilities planning aids,	
college and universities-----	14178
Clay, Cassius, boxing activities, in-	
vestigation, hearings-----	14150
Clay, sediments, removal of water and	
rearrangement of particles dur-	
ing compaction-----	14346
Clayton act, <i>see</i> Monopolies.	
Cleaning, laboratory-industrial, tech-	
niques and materials-----	14167
Cleaning compounds, laboratory-in-	
dustrial cleaning techniques	
and materials-----	14167
Clearinghouse Exchange, publications	
of State departments of educa-	
tion, secondary education per-	
sonnel-----	14179
Cleary, Joseph W., theoretical aerody-	
namic characteristics of sharp	
and circularly blunt-wedge air-	
foils-----	13904
Climate:	
California, summary 1931-52-----	15152
climatography of United States—	
climatic summary of United	
States, supplement for 1931-	
52-----	15125
decennial census of U.S. cli-	
mate-----	15154-155
Texas and adjacent Gulf waters-----	15151
Climatography, <i>see</i> Climate.	
Clinical Center, National Institutes of	
Health, nursing-----	14949
Clinical physiology, <i>see</i> Physiology.	
Clinics, outpatient psychiatric, 1963	
directory-----	14948
Close, Kathryn, Cuban children away	
from home-----	13779
Clothing, apparel, current industrial	
reports-----	13751

# AUGUST 1964

Entry	Entry
Coal:	
New Mexico, hydrogenation at short residence and high temperature -----	14752
preparation characteristics-----	
Brooke County, W. Va. -----	14746
Hancock County, W. Va. -----	14746
Marshall County, W. Va. -----	14746
Ohio County, W. Va. -----	14746
Coal mines and mining:	
anthracite mining industry, wage chronology, 1930-59 -----	14689
Pennsylvania, bituminous strip mine spoils, 2d year results of hybrid poplar test plantings.-----	14321
Coast Guard:	
Florida, inspection report.-----	14012
oceanographic reports-----	13814-815
passenger vessels, rules and regulations -----	13816
Coast Ranges, northern California, stream hydrology related to optimum discharge for king salmon spawning.-----	14357
Coating materials:	
coatings for concrete -----	14208
protection of reinforcing steel.-----	14207
Cobalt isotopes, Co 60, Albany facility, high-level gamma ray dosimetry -----	14747
Cochran County, Tex., soil survey report -----	15092
Code of Federal regulations.-----	14255
Codes, see subjects.	
Codes of law, United States, 1958 edition, cumulative supp.-----	13838
Coffee, soluble and instant, provide duty-free importation, law.-----	13886
Cohen, Ira, non-destructive measurement of U-235 retained in absolute air filters.-----	13704
Cold Regions Research and Engineering Laboratory, research reports -----	14202-203
Cole, William A., soil survey, Jackson County, Miss. -----	15093
Colket, Meredith B., jr., guide to genealogical records in National Archives -----	14031
Colleges and universities:	
classroom facilities planning aids.-----	14178
earned degrees by field of study and level projected to 1975 -----	14181
finance series -----	14195
financing graduate education.-----	14184
financing higher education.-----	14185
national defense education act of 1958, counseling and guidance training institutes program, policies and procedures manual -----	14191
physical facilities series.-----	14178
Poland, admissions rules, student activities, and curriculums in higher education.-----	14187
salaries and student charges, 1963-64 -----	14195
science facilities planning aids.-----	14196
student assistance act of 1965, hearings -----	14151
teaching about United Nations in United States, 1960-1963, report -----	14190
Collimators, attachment converts microscope to point source autocollimator -----	14829
Collins, A. Gene, oilfield waters, methods of analyzing selenium and tellurium -----	14756
Collins, LeRoy, nomination, hearing.-----	14132
Collins, Theodore C., market for semiconductor devices in West Germany and Italy.-----	13740
Collins, William E., task, control of arousal and effects of repeated unidirectional angular acceleration on human vestibular responses -----	13731
Colonie Town, N.Y., population, special census.-----	13766
Color photography, camera filters, selection -----	14934
Color vision, USSR studies.-----	14525
Colorado River and Valley:	
flood control works, joint construction, etc., with Mexico, conclusion of agreements-----	
hearings -----	14000
report -----	13966
hydroelectric projects below Glen Canyon Dam, preserve jurisdiction of Congress over construction -----	
hearing -----	14009
report -----	13975
increasing precipitation in basin by artificial means, hearing.-----	14146
Lower Colorado River land use plan -----	14364
Mexico, delivery of water to, special studies -----	15077
snow survey measurements, 1919-63 -----	15090
Columbia River and Valley:	
snow survey and soil measurements for drainage in Canada.-----	15089
snow survey measurements, 1919-63 -----	15090
upper basin, surface water records, Oct. 1950-Sept. 1960 -----	14354
Comets, astrophysics study.-----	14772
Command (military):	
field command procedures, maintenance management.-----	13683
Commerce:	
changing political and economic climate in world trade (remarks) -----	13830
Communist China's trade, translations -----	14531, 14548
east-west trade expansion and U.S. participation (remarks) -----	13828
foreign agricultural trade, calendar year 1963 -----	14176
foreign trade-----	
East European, translations -----	14415,
FT reports -----	14540
United States, leading commodities in 1963 -----	13768
foreign trade regulations-----	
Argentina -----	14380
Austria -----	14381
Germany, Federal Republic.-----	14379
Guatemala -----	14374
Ireland -----	14386
Nicaragua -----	14384
Spain -----	14375
Thailand -----	14378
Turkey -----	14376
West African Customs Union (Dahomey, Ivory Coast, Mali, Mauritania, Niger, Senegal, Upper Volta), and Togo.-----	14383
international commerce, weekly, supplement -----	14370
interstate, steel containers labeling, report -----	13983
trade mission to Philippines in early 1965 -----	14391
United States foreign trade, Jan.-Mar. 1964 -----	14390
see also names or classes or articles of commerce.	
Commerce City, Colo., accident.-----	14405



# INDEX

	Entry		Entry
Commerce Committee, Senate : hearing -----	14132	Compton, W. Dale, experimental in- vestigation of radiation effects in semiconductors -----	14891
Commercial banks, <i>see</i> National banks.	14051	Computers, <i>see</i> Electronic computers.	
Commercial fisheries, <i>see</i> Fish and fisheries.		Concrete : mattresses, stainless and copper- clad steel wires, galvanic ef- fect -----	14214
Commercial Fisheries Bureau : Branch of Technology publications, 1955-59, index -----	14277	protective coatings -----	14208
report, 1962 -----	14281	reinforcing steel, protection from corrosion -----	14207
Commercial products : exports, statistical classification, schedule B, changes -----	13748, 13770	Conditions and limitations on general license provisions of 10 CFR 150.20 -----	13720
imports, foreign trade reports -----	13768	Conduct of life, <i>see</i> Ethics.	
leading commodities in U.S. foreign trade, 1963 -----	14389	Cones : right circular, for supersonic flow at zero yaw in air as perfect gas, correlation graphs -----	14872
market for U.S. products in Vene- zuela -----	14370	right circular supersonic flow around, at small angle of at- tack, tables -----	14796
selected consumer goods, trade of United States, Western Europe, Canada and Japan, 1961-62 -----	14394	Confectionery, additives, amend food, drug, and cosmetic act, report -----	13981
trade in manufactured products, 1961-62, United States, West- ern Europe, Canada and Japa- n -----	14392-394	Conference on Meteorological Support for Aerospace Testing and Op- eration proceedings, July 1963, errata -----	14795 13951 13961
U.S. share of world markets for manufactured products, analy- sis of changes from 1954-61 -----	14395	Conference committees, reports -----	13951 13961
USSR consumer goods and domes- tic trade, translations -----	14651	Conferences, congresses, etc. : index to conferences abstracted in nuclear science abstracts -----	13709
Commissioned officers, <i>see</i> Public Health Service.		nuclear science conference litera- ture, availability -----	13717
Commissioners of District of Colum- bia, <i>see</i> District of Columbia.		Soviet bloc -----	14595
Commodities, <i>see</i> Agricultural prod- ucts—Commercial products.		<i>see also</i> names of conferences, etc. <i>also</i> subject of confer- ence.	
Commodity Credit Corporation : cotton export financing -----	14289	Configurations : blunted cylinder-flare, ablation, in- vestigation to Mach number of 8.48 -----	14884
report, 1963 -----	13832	supersonic transport, take-off per- formance -----	14855
Commonwealth Parliamentary Associ- ation, Senate observers attend- ance at meeting, report -----	14102	Congo (Leopoldville) : agricultural commodities, agree- ment -----	15107
Communications : Army, troop topics -----	13675	Congress of United States : congressional record, 88th Cong., 1st sess., bound volumes -----	13833-836
Communist China, translations -----	14531, 14548, 14641	integrity, promote public confi- dence, hearings -----	14156
procedures, ATS handbook -----	13654	major legislative actions, 88th Con- gress -----	13917
satellite act of 1962, activities, re- view, hearings -----	14002	Congressional record, <i>see</i> Congress of United States.	13839
satellites— bibliography -----	14799	Conley, Thomas D., sunrise effects on east-west ionospheric propaga- tion paths -----	13620
non-linear noise analysis in FDM telephony transmission -----	14892	Connecticut, weather stations, dec- adal census -----	15161
USSR, translations -----	14526	Conscription : exemption of sole surviving son whose father died as result of military service— law -----	13908 14069
Communications Satellite Corpora- tion, activities and accomplish- ments, review, hearings -----	14002	Conservation notes -----	14274
Communism, international develop- ments, translations -----	14425, 14443, 14482, 14494, 14530, 14550, 14585, 14657.	Constitution of United States : amendments, Presidential inability and succession to office of Vice President, hearings -----	14148 14256 14359
Communist China, <i>see</i> China.		text -----	
Communist Party of Mongolia, his- tory -----	14565	Constitution Week, bulletin -----	
Communities, <i>see</i> Cities and towns.		Construction, <i>see</i> Building—Construc- tion industry—Installations (military).	
Community facilities, health services for chronically ill and aged, PHS project grants program -----	15166	Construction industry : construction activity, report, an- nouncement and order form -----	13747
Community health, <i>see</i> Health.		construction reports, announcement and order form -----	13747
Community health services <i>see</i> Health.			
Community Relations Service : director, nomination of LeRoy Col- lins, hearing -----	14132		
establish— hearing -----	14017		
law -----	13900		
Compacts (Interstate), <i>see</i> Interstate agreements.			
Companies, mortgage insurance, Fed- eral Home Loan Bank Board inquiry, statement -----	14238		
Compensation, <i>see</i> Wages.			

Entry	Entry
Consuls, convention with Russia, text, etc.-----	14028
Consumer goods, <i>see</i> Commercial products.	
Consumers:	
American consumer, king or pawn? (address)-----	13820
expenditures and income-----	
rural nonfarm areas in western region, 1961-----	14687
urban places, western region, 1960-61-----	14686
household, acceptance of instant sweetpotato flakes-----	13588
shopping, publications, list-----	15032
Contagion and contagious diseases, <i>see</i> names of diseases.	
Containers:	
insert, loading-----	13681
steel, labeling, report-----	13983
<i>see also</i> types of containers.	
Continental Air Lines, Inc., accident.	13788
Continental Shelf, law of the sea, convention adopted by UN conference Geneva, Apr. 29, 1958-----	15114
Continuing overall economic development programs-----	13662
Contractor reports NASA CR (series)-----	14767-792
Contracts, <i>see</i> Government contracts.	
Control (vehicle), <i>see</i> Airplanes—Helicopters—Rockets—Spacecraft.	
Control surfaces, <i>see</i> Missiles.	
Control systems:	
automatic, USSR study-----	14438
doubling actuating elements, USSR study-----	14573
lags and man-machine system performance-----	14791
nonlinear adaptive systems with storage-----	14777
proportional-type lateral, capability of providing aerodynamics heading-angle trajectory control during reentry-----	14876
theory, problems, USSR studies-----	14632
Controlled nuclear fusion-----	13723
Conventions and treaties, <i>see</i> subject.	
Converters, <i>see</i> Thermionic converters.	
Conveyances, aircraft, validity of titles, law-----	13895
Cook, A. Clinton, Mexican winter vegetable production, survey-----	14288
Coolants, integral channels are simply made by melt-out method-----	14807
Cooling, hot-wire transducer, prolongs life-----	14804
<i>see also</i> names of commodities.	
Cooper, James D., kyanite and related minerals, minerals yearbook chapter-----	14739
Cooperation in forestry, 1962 yearbook, Department of Agriculture, Forest Service, intermountain region-----	14297
Copeland, William L., employment of scientific and technical personnel in State government agencies, 1962-----	14705
Copepods, free-living, Ifaluk Atoll in Caroline Islands-----	14961
Copper:	
reverberatory slags, smelting to recover iron of low copper and sulfur content-----	14762
stainless steel and copper-clad steel wires, reinforcement for concrete mattresses, galvanic effect-----	14214
Copyright, catalog of copyright entries-----	14158
Copyright Office, report, 1963-----	14157
Corbett, William J., pigment particle size separation-----	14787
Corelli, John C., radiation damage to semiconductors by high-energy electron and proton radiation-----	14775
Corn:	
composition of commercial grades-----	13570
sweet, persistence of telodrin and DDT as determined by gas chromatograph-----	13564
Corporations, income tax rate, extension, reports-----	13955, 14057
Corregidor-Bataan Memorial Commission:	
appropriations, 1965-----	13904
law-----	13951
report-----	13951
Correlation graphs for supersonic flow around right circular cones at zero yaw in air as perfect gas-----	14872
Corrosion and anticorrosives, reinforcing steel, protection-----	14207
Cortright, Edgar M., unmanned spacecraft of U.S.-----	14793
Cosmetics:	
food, drug, and cosmetic act, text and enforcement regulations, revised pages-----	14287
lip, hair and face preparations flammability in presence of 100 percent oxygen-----	13729
Cosmic rays:	
intensities and variations prior to and during magnetic disturbances, USSR papers-----	14908
use of penetrating cosmic radiation for determination of mean rock-density values, USSR study-----	14445
USSR articles-----	14907
COSPAR, <i>see</i> Space Research Committee.	
Cost:	
cost analysis project in children's institutions-----	13781
farms, commercial, by type, size, and locations-----	13582
geographic mobility-----	13663
production, methods of reducing, USSR articles-----	14437
<i>see also</i> subjects.	
Cotton:	
fiber length distribution and yarn quality, effects of gin drying and cleaning-----	13589
Iran-----	14492
production, crop of 1963-----	13749
sold for export, organization and financing of U.S. trade, foreign buying practices, etc-----	14289
USSR production report of U.S. technical study group, addendum-----	13397
varieties planted in early producing section of Texas, 1964-----	13561
woven goods finished, current industrial reports-----	13753
Yazoo-Mississippi Delta, fiber and spinning properties of cotton as affected by certain harvesting and ginning practices, 1959-60-----	13587
Cotton gins and ginning:	
gin drying and cleaning of cotton, effects on fiber length distribution and yarn quality-----	13589
Yazoo-Mississippi Delta, effects of certain practices on fiber and spinning properties of cotton, 1959-60-----	13587
Counseling:	
basic supervisory training course-----	15082
national defense education act of 1958, training institutes, program, policies and procedures manual-----	14191

## INDEX

Entry	Entry
Counting devices, electromechanical fishing and counting fence used in Ireland.....	Current industrial reports..... 13750-761
14267	Current projects on economic and social implications of science and technology, 1963..... 14987
Cows, see Dairy herd improvement associations.	13767
Cox, John T., relief.....	14108
Crabs, see Blue crabs.	Curtis, James D., what do you mean, site preparation..... 14318
Crafts, protective and custodial employees, see Government officials and employees.	14046
Cramer, Owen P., fire season in Pacific Northwest, 1963.....	Cushioning materials, for harvesting and handling fruits and vegetables..... 1350
14304	Custodians, handbook, civil defense emergency hospital..... 15053
Credit insurance, programmes d'assurance et garantie de credit applicables aux exportations des Etats Unis.....	Customs, see Tariff.
13824	Cybernetics, technical, USSR news..... 14510
Credit unions, District of Columbia, repeal act, report.....	Cyclohexane, interaction with surface of metallic catalyst, USSR study..... 14456
14105	Cylinders:
see also Federal credit unions.	blunt-nosed, hypersonic flow fields, parametric study..... 14875
Crews, see Submarine crews.	blunted cylinder-flare configuration, ablation, flight investigation to Mach number of 8.48..... 14884
Crime and criminals:	shell, liquid-filled, equations of axially symmetric vibrations..... 14924
crime classification, logical forms, USSR study.....	Cyprus, evacuation of dependents of Armed Forces from Panama and Cyprus, payment of expenses, authorize, report..... 13937
14452	Cytology, USSR scientific council, proceedings of 1st session..... 14538
District of Columbia, legislation, report.....	Czechoslovakia, provincial press, summaries..... 14448, 14601, 14649
14101	
persons under supervision of Federal probation system, 1963 report.....	
13556	
uniform crime reports, U.S., 1963.....	
14232	
Criminal jurisdiction, status of forces agreement, operation, report.....	
14100	
Critical materials, see Strategic materials.	
Croker, Thomas C., jr., two H-C furrow seeders.....	
14327	
Crooked River project, extend, report.....	
14072	
Crooks Gap, Wyo., geology and uranium deposits.....	
14337	
CIREL, see Cold Regions Research and Engineering Laboratory.	
Crumbly, Kenneth H., spectrographic data from reentries of Trailblazer IIb.....	
14880	
Cryogenics:	
elastomers evaluation for potential use.....	
15017	
solutions and solubilities in liquid fluorine.....	
14850	
systems, composite, vacuum-jacketed tubing replaces bellows.....	
14806	
waveguide window sealed with plastic foam.....	
14817	
Cryopumping of hydrogen in vacuum chambers is aided by catalytic oxidation of hydrogen.....	
14803	
Crystallography:	
high density graphite recrystallized by hot forming.....	
13652	
vacancy formation in gold under high pressure.....	
14894	
Cuba, translations.....	
14498, 14637	
Cubans, refugee children away from home, observation of reporter.....	
13779	
Culture:	
cultural relations, agreement with USSR.....	
15118	
educational and cultural exchange program of State Department, American grantees, 1963, list.....	
15096	
exchange program, agreement with Liberia.....	
15122	
exchange programs, planning and development, key contacts, interagency directory.....	
15098	
Cumberland Plateau, burning does not control young hardwoods on short leaf pine sites.....	
14308	
Current construction reports, announcement and order form.....	
13747	
Current fishery statistics, C.F.S. series.....	
14263-266	
	D
	D.H.I.A., see Dairy herd improvement associations.
	Dahomey, foreign trade regulations..... 14383
	Dairy cattle, see Cattle.
	Dairy herd improvement associations: cow performance index list, registered progeny of AI sires..... 13569
	13568
	sire summary lists..... 14779
	Dalgarno, A., planetary physics, photofionization of atomic oxygen..... 14236
	Dalrymple, Dana G., processing plant feasibility, bibliography..... 13848
	Dalton, Leonard M., relief..... 14185
	D'Amico, Louis A., financing higher education..... 14751
	Dams, see names of dams or bodies of water.
	Dannenbergh, R. O., beryllium solvent extraction of Spor Mountain, Utah ore..... 14751
	Data, see subjects.
	Data processing, see Electronic data processing systems.
	Davis, Albert B., tobacco production and marketing in Southern Rhodesia, Northern Rhodesia, and Nyasaland..... 14291
	Davis, Grant, second-year results of hybrid poplar test plantings on bituminous strip mine spoils in Pennsylvania..... 14321
	Davis, Jeanne M., farm vacation enterprises in Ohio..... 14168
	Davis-Bacon act, see Government contracts.
	Days, see names of special days.
	DDE:
	and DDE residues in soil of aerial test circle..... 14329
	persistence on sweet corn as determined by gas chromatography..... 13564
	Dean, Stuart E., public elementary school approval and accreditation..... 14192



	Entry		Entry
Death:		Deurbrouck, Albert W., preparation	
accidental, statistics-----	15040	characteristics of coal from	
age-adjusted and age-specific rates		Hancock, Brooke, Ohio, and	14746
for malignant neoplasms,		Marshall Counties, W. Va.-----	14396
1960-----	15041	Development research digest-----	14967
cancer mortality patterns, uranium		Devils Postpile National Monument,	
miners and millers, 1950-62-----	15044	general information-----	13639
Debt, enlisted members of Armed		Dewar flask, helium desorption, drastic	
Forces and Reserve components,		reduction of warm-up rate	
permit cancellation, report-----	13941	within system-----	13623
see also Public debt.		Dezzani, Peter H., evaluation of UH-	
DeCarlo, Vincent J., cometary astro-		1B with 60-gallon external fuel	
physics-----	14772	tanks-----	13623
Decoy trap for blackbirds and star-		DHIA, see Dairy herd improvement	
lings-----	14275	associations-----	15046
Deductions, see Income tax.		Diabetes, source book-----	14734
Deep-sea domestic waterborne traffic,		Diatomite, minerals yearbook chap-	
1958-62-----	14400	ter-----	14035
Defense, see Civilian defense--National		Di Censo, Giuseppe, relief-----	
defense.		Dichloro-diphenyl-trichloro-ethane,	
Defense Department:		see DDT.	
appropriations, 1965, hearings-----	14125	Dictionaries, cataloged by ASTIA,	
Assistant Secretary, nomination of		bibliography-----	14166
Solis Horwitz, hearing-----	14127	Dieter, W. E., stainless steel fume	
impact of military and related civilian		hood for safety in use of per-	
supply and service activities		chloric acid-----	14755
on economy, hearings-----	13916	Differential equations, see Equations.	
military construction authorization,		Diffusers, supersonic aerodynamics	
1965, report-----	14053	handbook-----	15008
military handbooks-----	14162-163	Diffusion, downwind from line sources,	
military standards-----	14164	operational prediction-----	13627
Defense production act, see Produc-		Digests, see names of departments,	
tion.		etc., issuing digests--also sub-	
Defense Supply Agency, equal employ-		jects.	
ment opportunity-----	14160	Digital computers, see Computers.	
Deformations (mechanics):		Digital logic elements provide addi-	
determination in flexible plates and		tional functions from analog	
shells by method of photoelastic		input-----	14822
coatings-----	14925	Dill, D. B., work tolerance, age and	
rock deformation apparatus, applica-		altitude-----	13735
tion of induction heating to-----	13631	Dille, J. Robert, flammability of lip,	
Degrees (colleges, universities, etc.):		face and hair preparations in	
earned by field of study and level		presence of 100% oxygen-----	13729
projected to 1975-----	14181	Diodes:	
Delaware River Port Authority, compact		cesium thermionic, application of	
concerning, consent of		study of zero-field electron	
Congress, law-----	13870	work function of metal im-	
Delta (ocean station), see Weather		mersed in gas-----	14880
stations.		tunnel-----	
Delta wings, see Wings (aircraft).		amplifiers, model EK/A-S, etc.--	
Demonstration notes, experimental		incorporated in monostable mul-	
and demonstration manpower		tivibrator circuit-----	14816
programs (series)-----	14663-664	Directories:	
Demonstration projects, see Recrea-		interagency, planning and develop-	
tional areas and demonstration		ment, educational, cultural,	
projects.		scientific and technical ex-	
Dentistry, dental public health, intro-		change programs, key contacts-----	15098
duction-----	15057	primary wood industries of Ken-	
Dentists, role of dentist in national		tucky-----	14307
disaster-----	15063	psychiatric clinics-----	14948
Dependents, see Armed Forces.		Disability insurance, social security	
Deployable centrifugally stabilized		program, facts and figures-----	15083
structures for atmospheric en-		Disabled:	
try from space-----	14782	help needy disabled, general infor-	
Depth perception, see Perception.		mation-----	14216
Descriptors, see subject headings.		public assistance, money payments	
Design (Industrial):		to recipients, Oct. 1963-----	14215
safety design considerations for lay-		see also Veterans.	
out of facilities placement of		Disarmament:	
equipment, and production		arms control and disarmament, re-	
processes (remarks)-----	14682	search studies in progress or	
Desorption, helium, drastic reduction		recently completed-----	15106
of warm-up rate within Dewar		economic and social consequences-----	13668
system-----	13639	Disasters:	
Desoxyribonucleic acid, stability of		national, role of dentist-----	15063
functionally heterogeneous por-		what is your job in war disaster	
tions to ionizing radiations,		(address)-----	14219
USSR study-----	14623	Disbursing officers, Treasury Depart-	
Detectors, pyroelectric detection tech-		ment, regulations-----	15139
niques and materials-----	14770		
Determination of radium in water-----	14349		

# INDEX

Entry	Entry
Discrimination in employment: age basis by Federal contractors and subcontractors, Executive order against-----	Drugs: food, drug, and cosmetic act, text and enforcement regulations, revised pages-----
equal employment opportunity in Defense Supply Agency-----	trade of United States, Western Europe, Canada, and Japan in pharmaceutical products, 1961-62-----
Diseases, see names or classes of dis- eases.	see also Tranquillizing drugs.
Diseases of plants, see names of dis- eases or plant affected.	Ducks, see Wood ducks.
Display of merchandise, affects retail sales of broilers and meat-----	Ducts (aircraft): supersonic aerodynamics handbook-----
Display systems, alpha-numeric, in- formation assimilation, amount and density presented-----	Dust, control measures at Long Island, Port Isabel, Tex., authorize, law-----
Dissociation, see Ion dissociation.	Duthie, Richard E. C., engineering ma- terials list-----
District of Columbia: Commissioners, locate vehicular tunnel under parts of Capitol grounds and Botanic Garden grounds, authorize, report-----	Duties, see names or classes of articles imported.
credit unions act, repeal, report-----	Duvall, Wilbur I., instrumentation to record vibrations produced by blasting-----
crime legislation, report-----	Dwarf mistletoe, see Mistletoe.
divorce, legal separation and annul- ment laws, amend, report-----	Dynamics: pilots' response to effects of high sustained acceleration-----
Federal paperwork jungle, hear- ings-----	touchdown analysis of spacecraft for soft lunar landing, errata-----
fish and wildlife regulations-----	Dynamocardiography-----
milk, ice cream, etc., packaging sizes, amend act, report-----	Dysbarism, various aspects of symp- toms and signs-----
police and firemen, restrictions on residence, repeal, report-----	
District of Columbia Committee, House, reports-----	
District of Columbia Committee, Sen- ate, reports-----	
Diving, deep sea, neon solubility de- termination in water and ex- tracted human fat-----	
Divorce, District of Columbia laws, amend, report-----	
DNA, see Deoxyribonucleic acid.	
Documents Office, see Public Docu- ments Office.	
Documents, see Government publica- tions, also subjects of docu- ments.	
Dodge, Harold R., Douglas-fir tussock moth-----	
Dogs: lethal thermal burn, change in in- terstitial water balance, prob- lem, USSR study-----	
mechanism of autoregulation in in- tact kidney-----	
seeing eye, guide for totally blind on air carriers, report-----	
Dolch, W. L., protective coatings for concrete-----	
Dollars, purchasing power based on wholesale price index, annual averages, 1890-1963-----	
Domicile, policemen and firemen of District of Columbia, repeal re- strictions on residence, report-----	
Dominican Republic, defense, military assistance, agreement-----	
Donat, George, address, June 10, 1964-----	
Donnelly, Warren H., nuclear power and merchant shipping-----	
Dosimetry, high-level gamma-ray, Albany cobalt 60 facility-----	
Douglas fir tussock moth, see Tussock moths.	
Dovydenas, Suzanne, current projects on economic and social impli- cations of science and technol- ogy, 1963-----	
Drivers, see Motortruck drivers.	
Dropouts, see High schools.	
	E
	E.R.S., see Economic Research Service.
	Earlham, Iowa, organizes basic serv- ices for its aging-----
	Earnings, see Wages.
	Earth, middle ultraviolet radiance of earth and its limb-----
	Earth sciences, see Science.
	Earthquakes: Alaska reconstruction grants— hearings-----
	reports-----
	East (Middle East): indefinable region, geographic no- menclature problems-----
	Near and Middle Eastern series-----
	East (Near East): Educational Materials Laboratory report-----
	Near and Middle Eastern series-----
	East Europe, see Europe.
	Eaton, William W., remarks, June 15, 1964-----
	Echo (ocean station), see Weather sta- tions.
	Ecology: benthonic species-----
	Gulf of Mexico commercial sponges and its relation to fishery-----
	Economic and social consequences of disarmament-----
	Economic conditions: advances possible through new pro- posals (address)-----
	growth, American achievement, through cooperation of busi- ness, labor and Government (address)-----
	impact of military and related civil- ian supply and service activi- ties on economy, hearings-----
	see also names of countries, States, etc.
	Economic Joint Committee, hearings-----
	Economic Opportunity Office: establish— hearings-----
	report-----



# AUGUST 1964

	Entry		Entry
Economic policy:		Educational boards and departments.	
economic opportunity act of 1964—		State, Clearinghouse Exchange of	
hearings-----	14152	publications, secondary educa-	
report-----	14120	tion personnel-----	14179
regional impact studies, progress		Educational Materials Laboratory, re-	
and problems (address)-----	13825	port on new materials, anno-	
USSR, international economic rela-		tated list-----	14183
tions, translations-----	14518	Eggs, plants operating under inspec-	
USSR system, translations-----	14450, 14533	tion and grading programs,	
Economic Progress, Technology, and		list-----	13557
Automation, National Commis-		Eglin Air Force Base, land convey-	
sion on, <i>see</i> National Commis-		ance to Fort Walton Beach,	
sion on Technology, Automa-		Fla., change designated use, re-	
tion, and Economic Progress.		port-----	14113
Economic Research Service:		Eide, Donald G., variation of pitch	
ERS-foreign series-----	14172	motion of vehicle in space en-	
ERS series-----	14168-171	vironment due to fuel sloshing	
foreign agricultural economic re-		in rectangular tank-----	14869
ports-----	14173-174	Ellertsen, Donald E., beryllium-----	14729
Economics:		Eisenhauer, Charles, engineering	
AKA research program-----	13664	method for calculating protec-	
economic redevelopment research-----	13663-664	tion afforded by structures	
USSR system—		against fallout radiation-----	14938
current developments-----	14489, 14639	Elastic orifice automatically regulates	
structure and policy, transla-		gas bearings-----	14800
tions-----	14450, 14533	Elastic structures, <i>see</i> Tissues.	
Economists, examination announce-		Elastomers, potential use at cryo-	
ment-----	13808	genic temperatures, evalua-	
Edlund, Vernal E., smelting copper		tion-----	15017
reverberatory slags to recover		Elderly people, <i>see</i> Aged.	
iron of low copper and sulfur		Elections, campaign information-----	14021
content-----	14762	Electric apparatus and appliances,	
Education:		USSR industrial development,	
Algeria, data-----	14182	translations-----	14652
around the world, information-----	14182	Electric circuits:	
children of veterans who have war-		circuit controls transients in SCR	
time total disability, law-----	13909	inverters-----	14815
comparative, studies (series)-----	14187	efficient circuit triggers high-cur-	
cooperative research projects, 7 year		rent, high-voltage pulses-----	14820
summary, July 1, 1956-June		<i>see also</i> Printed circuits.	
30, 1963-----	14180	Electric conductors, <i>see</i> Semiconduc-	
education briefs-----	14186, 14192	tors—Superconductors.	
eliminate unemployment and pov-		Electric equipment, <i>see</i> Electric appa-	
erty through education (re-		ratus and appliances.	
marks)-----	14665	Electric generators, <i>see</i> Thermionic	
exchange programs—		converters.	
agreement with Liberia-----	15122	Electric heating, classification bulle-	
agreement with USSR-----	15118	tin-----	15018
American grantees, 1963, list-----	15096	Electric power plants:	
planning and development, key		hydroelectric projects, Colorado	
contacts, interagency directory-----	15098	River below Glen Canyon Dam,	
graduate, financing-----	14184	preserve jurisdiction of Con-	
national defense education act of		gress over construction—	
1958, counseling and guidance		hearing-----	14009
training institutes program,		report-----	13975
policies and procedures manual		Electric resistance, cerium metal from	
-----	14191	4° to 300°K-----	14761
pedagogical tasks in pioneer sec-		Electric waves:	
tions discussed, USSR study-----	14554	nonlinear interaction of electro-	
program for reduction of unem-		magnetic wave with time-	
ployed (remarks)-----	14666	dependent plasma medium-----	13638
selected references-----	14193	plane electromagnetic waves pass-	
<i>see also</i> Elementary education—		ing through isotropic inhom-	
Secondary education— <i>also</i> sub-		geneous plasma slab at arbi-	
jects taught.		trary angles of incidence, gen-	
Education and Labor Committee,		eralized treatment-----	14901
House:		Electricity:	
hearings-----	13998-999	national electric rate book-----	14246-251
report-----	13985	rural, publications, price list-----	15036
Education Office:		USSR electric power, translations-----	14427
bulletins 1964 (series)-----	14181, 14187, 14194, 14199	Electrodes:	
circular-----	14180	auxiliary silver, eliminates 2-step	
cooperative research projects, 7		voltage discharge characteris-	
year summary, July 1, 1956-		tic of silver-zinc cells-----	14826
June 30, 1963-----	14180	improved electrode gives high-	
education briefs-----	14186, 14192	quality biological recordings-----	14821
information on education around		Electrolysis, molten salt of metals,	
the world-----	14182	infrared analysis of gases pro-	
selected references-----	14193, 14197	duced-----	14758
studies in comparative education-----	14187	Electrolytic cells:	
		lead acid, morphology of PbO <sub>2</sub> in	
		positive plates-----	15007



# INDEX

Entry	Entry
Electrolytic cells—Continued	
silver-zinc, 2-step voltage discharge	
eliminated with auxiliary silver electrode.....	14826
Electromagnetic waves, <i>see</i> Electric waves.	
Electromagnetism, antipodal image of electromagnetic source.....	13640
Electromagnets, degradation effects in short samples of hard superconductors.....	14878
Electron-beam welding in industry, USSR study.....	14512
Electron spin, <i>see</i> Spin (atomic).	
Electronic circuits:	
integrated, application to telemetry systems.....	14838
low-power transistorized circuit provides staircase waveform.....	14818
monostable circuit with tunnel diode has fast recovery.....	14816
solid, use in satellite instrumentation.....	14836
transistorized and printed circuits, servicing techniques, guide.....	15001
Electronic computers:	
computer-aided learning of sound identification, experiments.....	15003
determining high-frequency phase stability.....	14813
digital logic elements provide additional functions from analog input.....	14822
logic circuit will fit on single silicon chip.....	14809
octal codes, accounting program developed as byproduct of forest growth studies.....	14323
optimum computerized allocation system development.....	13687
traffic assignment manual for application with large, high speed computer.....	15073
Electronic data processing systems, automatic data procedure of rail form A, 11-63 using IBM 7090, textual explanation.....	14403
Electronic engineers, job types in Air Force Systems Command.....	13634
Electronic equipment:	
electronic assembly rack panels snaps on and off.....	14828
welded electronic module fabrication.....	14862
Electronic measuring instruments, wool staple length recorder, description.....	13590
Electronics:	
East European scientific abstracts.....	14426, 14524
electronic state of diatomic molecules.....	14890
microelectronic logic design, MRIR-PCM telemetry system, practical example.....	14856
Electrons:	
high energy—	
accelerator installations shielding.....	14932
radiation damage to semiconductors.....	14775
zero-field, work function of metal immersed in gas, application to cesium thermionic diode.....	14886
Electrostatics:	
adsorption of ions, USSR study.....	14456
oscillations, excitation in magnetic field.....	13698
Elementary education:	
public school approval and accreditation.....	14192
publications, list.....	14193
selected references, education briefs, etc.....	14197
Elements, double actuating, used in control system to ensure greater reliability, USSR study.....	14573
Elevators, <i>see</i> Grain elevators.	
Ellington, Jesse I., relief.....	13843
Elliott, William P., operational prediction of diffusion downwind from line sources.....	13627
Elm leaf beetle, <i>see</i> Beetles.	
EM series.....	14204-206
Embankments, overflow, Arkansas River, stability of riprap, etc.....	14212
Eminent domain, real property acquisition practices and adequacy of compensation, hearings.....	14016
Employee benefit plans, amend Davis-Bacon act to include fringe benefits in prevailing wages, law.....	13897
Employees, health and insurance benefits and pension plans, spring 1963.....	14704
<i>see also</i> Government officials and employees—Railroad employees.	
Employers, expenditures for supplementary compensation practices for production workers, meatpacking and processing industries, 1962.....	14706
Employment:	
automation relationship, current developments in U.S. (paper)—equal opportunity, progress (remarks).....	14713, 15034
high school graduates and dropouts in 1963.....	14709
impact of changing defense programs.....	14710
outlook, pharmacists.....	14692
program for full employment (remarks).....	14666
scientific and technical personnel in State government agencies, 1962.....	14705
<i>see also</i> Discrimination in employment—Occupations.	
Endrin, insecticide, acute and chronic effects on renal function and renal hemodynamics.....	13728
Enemy property, return of Austrian property, rights and interests, agreement.....	15113
Enforcement of law, <i>see</i> Law enforcement.	
Engineering:	
address.....	13819
East European scientific abstracts.....	14426, 14524
method for calculating protection afforded by structures against fallout radiation.....	14938
<i>see also</i> Nuclear engineering—Radio engineering.	
Engineering aids, I & C, Navy training course.....	14999
Engineers:	
career opportunities, building tomorrow's weather systems.....	15150
examination announcements.....	13806, 13810
<i>see also</i> Engineering aids.	
Engineers Corps, Army, manuals.....	14204-206
Engines (aircraft):	
working parts of aircraft, exportation, law.....	13884
<i>see also</i> Rockets.	
English Channel, lights and fog signals, list.....	14982
Enlisted personnel, <i>see</i> Armed Forces—National Guard.	
Enrollment, <i>see</i> High Schools—Schools.	

# AUGUST 1964

	Entry
Entry into atmosphere, <i>see</i> Atmospheric entry.	
Environment:	
environmental research papers.	13628-630
health series, air pollution.	15047
vibratory, localized, of rocket vehicles, statistical techniques for describing.	14847
<i>see also</i> Life support systems.	
Epidemiology, USSR studies.	14638
Epoxy resin, <i>see</i> Resins.	
Equal employment opportunity, <i>see</i> Discrimination in employment.	
Equal Employment Opportunity Commission:	
establish—	
hearing	14017
law	13900
report	13959
Equations:	
axially symmetric vibrations of liquid-filled cylindrical shell.	14924
complex Fresnel integral tables.	14797
flight-time shift, analytic solutions.	13637
transport properties of partially ionized gas in presence of electric and magnetic fields.	14893
transverse vibrations of liquid-filled shells.	14923
Equations of motion, V/STOL aircraft vertical/short takeoff and landing study.	15005
Equipments, <i>see</i> Military supplies.	
Erie, Lake, fisheries explorations, May-Nov. 1964.	14273
Error-correcting codes, PCM error correction and synchronization code.	14860
ERS, <i>see</i> Economic Research Service.	
ERS-foreign series.	14172
ERS series.	14168-171
Estate tax, <i>see</i> Inheritance and transfer tax.	
Estes, Billie S., grain storage operations, Agriculture Dept. handling, hearings.	14001
Ethics:	
employee conduct.	15081
interim code for Members of Congress, etc., establish, hearings.	14156
Ethics, Joint Committee on, establish, hearings.	14156
Etkin, Seymour, deep sea domestic waterborne traffic, 1958-62.	14400
Euratom, <i>see</i> European Atomic Energy Community.	
Europe:	
Eastern—	
agriculture, forestry, and food industries, translations.	14439, 14459, 14501, 14559, 14589, 14611, 14625
economic organization and management, translations.	14408, 14446, 14466, 14484, 14505, 14560, 14588, 14602, 14610
foreign trade, translations.	14415, 14540
heavy industry, translations.	14485, 14502
legal journals, abstracts.	14646
materials industries, translations.	14497, 14544, 14603
military information.	14508
political translations.	14414, 14506, 14546, 14586
scientific abstracts.	14421-423, 14426, 14431, 14434-435, 14469-470, 14524, 14564, 14596, 14600
service industries, translations.	14416, 14433, 14539, 14551, 14583, 14590, 14647.
sociological translations.	14490, 14527, 14598

	Entry
Europe—Continued	
tide tables.	13813
Western, trade in manufactured products, 1961-62.	14392-394
European Atomic Energy Community, Euratom cooperation act of 1958, amendments, reports.	13957, 14078
European Economic Community, agricultural trade and finance, statistics.	14172
Evacuation, dependents of Armed Forces from Panama and Cyprus, payment of expenses, authorize, report.	13937
Evaluation of trough-type rain gages.	14322
Evaporation, physiologic water loss, measurement.	13727
Everglades National Park, land addition, report.	14054
Examinations, <i>see</i> Civil service.	
Exchanges (international), <i>see</i> International exchanges.	
Excise taxes:	
Federal structure, panel discussion.	14020
interest equalization tax on foreign securities, impose, hearings.	14134
rates, extension, reports.	13955, 14057
Executive departments, <i>see</i> Government reorganization plans—Government supplies.	
Executive Office of the President, appropriations, 1965, report.	14048
Executive Papers, Joint Committee on Disposition of, report.	13931
Executives, training and development, Army pamphlet.	13677
Expansion (thermal):	
allowed by flexible fastener.	14831
Expenditures:	
consumer expenditures and income—	
rural nonfarm areas in western region, 1961.	14687
urban places, western region, 1960-61.	14686
Experiments and experimentation, field, for control of cabbage insects.	13563
Explorations, Gulf of Alaska scallop.	14272
Explosions:	
explosion-generated motion scaling laws validity, case study.	14754
research and technologic work on explosives, explosions, and flames, fiscal year, 1962.	14738
<i>see also</i> Nuclear explosions.	
Explosives:	
research and technologic work on explosives, explosions, and flames, fiscal year 1962.	14738
Export-Import Bank of Washington, foreign assistance appropriations, 1965, reports.	13950, 13952
Exports:	
programmes d'assurance et garantie de credit applicables aux exportations des Etats Unis.	13824
statistical classification, schedule B, changes.	13748, 13770
<i>see also</i> Commerce—also names of classes of articles exported.	
Extension work, agents and specialists, working with low-income rural families.	14237
Extraction (chemistry):	
solvent, beryllium, Spor Mountain, Utah, ore.	14751
Extradition, convention with Belgium, supplementary.	14027

# INDEX

F	Entry	Entry
F.A.A., <i>see</i> Federal Aviation Agency.		Federal aid, <i>see</i> Grants-in-aid.
F.D.A., <i>see</i> Food and Drug Administration.		Federal airport act, <i>see</i> Airports.
F.H.A., <i>see</i> Farmers Home Administration.		Federal assistance for projects in aging ----- 15166-167
F.P.C., <i>see</i> Federal Power Commission.		Federal Aviation Agency: civil air regulations, amendments. 14222-225
FAA, <i>see</i> Federal Aviation Agency.		definitions and abbreviations, Federal aviation regulations. 14227
Fabrication, <i>see</i> names of materials fabricated.		FAA handbook series. 14226
Factual campaign information. 14021		Federal aviation regulations. 14227-230
Fair labor standards act, <i>see</i> Labor standards.		SRDS abstracts of technical reports, general distribution, supplement ----- 15132
Fairs, U.S. trade, show the world, sell the world. 14371		Federal Coal Mine Safety Board of Review: appropriations, 1965----- 13904
Fakan, John C., degradation effects in short samples of hard superconductors ----- 14878		law ----- 13951
Fallout, <i>see</i> Radioactivity.		Federal credit unions: act, amendments, law. 13901
Falls, <i>see</i> Free fall.		general information. 14234
Families: low income, rural families, working with ----- 14237		report of operations, 1963. 14235
shopping, publications, list. 15038		Federal employees, <i>see</i> Government officials and employees.
Fans, <i>see</i> Wind machines.		Federal Extension Service, circular. 14237
Fante, Ronald L.: kinetic equations for plasma including radiation in external magnetic field. 13699		Federal funds for research, development, and other scientific activities, 1962-64. 14988
spectral density of radiation scattered by non-equilibrium plasma ----- 13697		Federal Government, <i>see</i> Government.
FAO, <i>see</i> Food and Agriculture Organization of United States.		Federal Home Loan Bank Board, inquiry into mortgage insurance companies, statement. 14238
Farm implements and machinery: current industrial reports. 13754		Federal Housing Administration: FHA regulations. 14243-245
USSR industrial development translations ----- 14570		technical studies report. 14240
Farm management, <i>see</i> Farms.		Federal paperwork jungle. 14014
Farm milk tanks, <i>see</i> Tanks.		Federal Power Commission, publication list. 14252
Farm products, <i>see</i> Agricultural products.		Federal property, <i>see</i> Public property.
Farmer Cooperative Service: information series. 14220		Federal regulations, <i>see</i> Code of Federal regulations.
publications, list. 14220		Federal reserve banks: direct purchase of U.S. obligations, extend authority----- 13996
Farmers: financial calculations and physical measurements, handbook, errata ----- 13579		hearing ----- 13996
worker and farmer share role in building Great Society (addresses) ----- 13575-576		law ----- 13893
Farmers' bulletin. 13583		report ----- 14059
Farmers Home Administration: insured housing loan program for elderly in rural areas, extend----- 13889		Federal Reserve System Board of Governors, prevalent monetary policy and its consequences, analysis ----- 13997
law ----- 14058		Federal Safety Council, progress report, 1963. 14258
loan limitation, increase, report. 13949		Federal specifications, <i>see</i> Government supplies.
Farms: costs and returns, commercial, by type, size, and location. 13582		Federal standard. 14260
farm vacation enterprises in Ohio, management, publications, price list ----- 15036		Federal supply catalog. 14161
production and efficiency changes, summary report 1964. 13598		Federal textbook on citizenship. 14360
FAS-M series. 14289-292		Feed, <i>see</i> Food for livestock—Food for poultry.
Fasteners, flexible, allows thermal expansion ----- 14831		Fees: foreign countries for visa of U.S. passports ----- 15097
Fastie, W. G., rocket spectrophotometer airglow measurements in far ultraviolet. 14889		land-grant colleges and State universities, 1963-64. 14195
Fatigue of materials, <i>see</i> Strains and stresses.		Patent Office, increase, hearings. 14147
Fauna, <i>see</i> Marine fauna.		Feinberg, Paul M., MRIR-PCM telemetry system. 14856
FDA, <i>see</i> Food and Drug Administration.		Felt, polishing felts, provide duty-free entry for wools used in manufacturing, law. 13881
Feasibility of Krupp-Renn process for treating lean iron ores of Mesabi Range, digest. 13665		Fences, Ireland, electromechanical fishing and counting fence used ----- 14267
Federal agencies, <i>see</i> Government offices.		Fertilizers: agricultural fertilization, USSR studies ----- 14594
		manufactured, trade of United States, Western Europe, Canada and Japan, 1961-62. 14392
		FG series. 13793
		FHA, <i>see</i> Farmers Home Administration.



	Entry		Entry
FHLBB, <i>see</i> Federal Home Loan Bank Board.		Fish and Wildlife Service:	
Fibers, man-made, woven goods finished, current industrial reports	13753	refuge leaflets	14278-280
<i>see also</i> names of certain plants, textiles, etc.		report, 1963	14262
Figs, production, use, value, by States, 1962-63	15129	special scientific report, fisheries series	14283
Filmstrips, copyrighted, July-Dec. 1963	14158	Fish meal, production, annual summary, 1963	14265
Filters and filtration, air filters, non-destructive measurement of U-235 content	13704	Fish oil, production, annual summary, 1963	14265
<i>see also</i> Light filters.		Fisher, Gail F., diabetes source book	15046
Finance:		Fisheries, <i>see</i> Fish and fisheries.	
college and university finance series	14185, 14195	Fishermen, fishing boat owners, medical care, restore eligibility, report	13971
Communist China, translations	14531, 14548, 14641	Fishery products, <i>see</i> Fish and fisheries.	
farmers' financial calculations and physical measurements, hand-book, errata	13579	Fishing, <i>see</i> Fish and fisheries.	
graduate education, financing	14184	Fishing gear, <i>see</i> Trawls and trawling.	
USSR, financial organs, tasks	14533	Fishing vessels:	
<i>see also</i> names of countries, etc.		construction assistance, extend, correct inequities in program, etc.	
Finance Committee, Senate:		hearing	14011
hearings	14133-135	report	13956
reports	14063-65, 14068, 10473, 14098	Flames, research and technologic work on explosives, explosions, and flames, fiscal year 1962	14738
Finance officers, <i>see</i> Disbursing Officers.		Flammability, <i>see</i> Inflammable materials.	
Fine Arts Commission:		Flares, chromospheric, nuclear processes	14921
appropriations, 1965—		Fleischer, H. O., overlays for lumber, old product in new dress	14311
law	13904	Flexible fastener allows thermal expansion	14831
report	13951	Flies, Virginia pine sawfly, life history, studies	14333
Finite element solution for thin shells of revolution	14768	Flight:	
Fins (aircraft):		assistance service, ATS manual, change	13653
heat transfer measurements on flat plate and attached fins at Mach nos. of 3.51 and 4.44	14873	information manual, amdt.	13655
Fins (cooling):		time-of-flight mass spectrometer, charge transfer studies and kinetic analysis	13645
heat-rejection and weight characteristics of radiator fin-tube configurations	14898	time shift equations, analytic solutions	13637
Fir, Douglas, mergers and economic concentration in lumber industry	14331	vibration data of Aerobee 150A sounding rocket	14858
Firearms, Federal laws under IRS, guide for law enforcement officers	14366	<i>see also</i> Aircraft.	
Firemen (firefighters):		Flight simulators:	
District of Columbia, residence restrictions, repeal, report	13976	investigation of pilot performance during extended periods of low-altitude high-speed flight	14776
Texas, social security coverage, law	13898	performance measurements studies	14790
Fish and fisheries:		Flinn, Robert H., silicosis in metal mining industry	15066
commercial fisheries review, separate rates	14267-273	Floods, <i>see</i> names of rivers, etc.	
conservation note	14274	Florida, Coast Guard, inspection report	14012
current fishery statistics, CFS series	14263-266	Flory, John A., characteristics of big city industries	13661
fish regulations for District of Columbia	14276	Flotation, beryl, from spodumene mill tailing, Foote Mineral Co., Kings Mountain, N.C.	14748
fishery leaflets	14276-277	Flour, U.S. exports under Government programs, 1962-64	14290
fishery products, manufactured, 1962, annual summary	14266	Flour mills, products, current industrial reports	13755
foreign fisheries briefs	14270	Flow:	
Georgia landings, annual summary, 1963	14263	evaluation in arc-heated hypersonic wind tunnel	14877
Ireland, electromechanical fishing and counting fence used	14267	hypersonic—	
Lake Erie explorations, May-Nov. 1960	14273	fields about cylinders, parametric study	14875
Massachusetts landings	14264	shock heated, parameters as function of flight velocity and altitude	14900
northwest Atlantic, international convention of 1949, protocol, report	14029	supersonic, around right circular cones—	
research report	14282	small angle of attack, tables	14796
special scientific report, fisheries series	14283	zero yaw in air as perfect gas, correlation graphs	14872
<i>see also</i> Sponges— <i>also</i> headings beginning Fish—Fishing.		vibrational-nonequilibrium, of nitrogen in hypersonic nozzles, errata	14837

# INDEX

	Entry		Entry
Flowers:		Foreign aid:	
national flower or floral emblem,		development research digest.....	14396
designating, hearing.....	14005	foreign assistance act of 1964, hear-	
stock, treated with benzylaminopu-		ings.....	14136
rine, quality and respiration		foreign assistance appropriations,	
rates.....	13560	1965, reports.....	13950, 13952
Fluids, non-Newtonian, viscous, simi-		Laos, United States contribution	
lar solutions of boundary layer		for supervision and control, re-	
equations for flows, errata.....	14849	port.....	13967
Fluoridation, annual census report,		Foreign countries:	
national, State and community		heads of foreign states and other	
experience 1963.....	15042	officials, provide authority to	
Fluorine, liquid, cryogenic solutions		protect, report.....	14108
and solubilities.....	14850	overseas living, guide for personnel,	
Flutter (aircraft):		Army pamphlet.....	13676
delta-planform surfaces, effects of		social security programs, 1964.....	15088
leading edge sweep at Mach		visa of U.S. passports, fees charged,	
number of 15.4.....	14888	list.....	15097
panel flutter research.....	14788	Foreign exchange, gold reserves, cur-	
Foamed plastics, <i>see</i> Plastics.		rent situation and long-term	
Fog, project fog drops, warm proper-		trends.....	14175
ties and modification concepts.....	14785	Foreign fisheries briefs.....	14270
Fog signals, Naval Oceanographic Of-		Foreign Relations Committee, Senate:	
fice list, British Isles, etc.....	14992	committee print.....	14137
Foils, <i>see</i> Aluminum foil.		hearings.....	14136
Fonseca, Elisabete M., relief.....	13858	reports.....	14029-30, 14102, 14108
Food:		Foreign Service:	
East European industries, transla-		annuities, adjustment, report.....	13968
tions.....	14439, 14459, 14501	buildings act, 1924, amend, report.....	13969
14559, 14589, 14611, 14625		department and foreign service.....	15095
food, drug, and cosmetic act—		Foreign Service Institute:	
amend, report.....	13981	basic course.....	
text and enforcement regulations,		Amharic language.....	15094
revised pages.....	14287	Spanish.....	15104-105
food for peace, activities under Pub-		Foreign trade, <i>see</i> Commerce— <i>also</i>	
lic law 480.....	13923	names or classes of commodi-	
marketing study—		ties— <i>also</i> names of countries	
hearings.....	13987	or places.	
law.....	13902	Foreign-Trade Zones Board, report	
shopping, publications, list.....	15038	1963.....	14294
Food and Agriculture Organization of		Forest fires, Pacific Northwest, fire	
United Nations, United States		season, 1963.....	14304
report to FAO on progress		Forest lands, <i>see</i> Forests and for-	
made toward purpose of or-		estry.	
ganization.....	14293	Forest nurseries, tree planters' notes.....	14335
Food and Drug Administration:		Forest pest leaflets.....	14298-300
FDA publication.....	14286	Forest planting, furrow seeders.....	14327
veterinarians and FDA, guardians		Forest products, eastern Kentucky,	
of animal health.....	14286	forest industry processing and	
Food and drug officer, Food and Drug		marketing complex.....	13666
Administration, examination		Forest Service:	
announcement.....	13083	appropriations, 1965—	
Food, drug, and cosmetic act, <i>see</i> Food.		law.....	13904
Food for livestock, production, 1962.....	13757	report.....	13951
Food for poultry, production, 1962.....	13757	construct and maintain roads and	
Food Marketing, National Commission		trails for national forests,	
on, <i>see</i> National Commission on		report.....	14103
Food Marketing.		laws relating to establishment and	
Food processing, plant feasibility, eco-		administration of national for-	
nomic studies, bibliography.....	14236	ests and to other activities.....	13578
Food stamps:		national forest log scaling hand-	
act of 1964—		book.....	14302
hearings.....	14124	research notes.....	14308-329
report.....	14074	research papers.....	14330-333
Foot, Mineral Co., continuous flota-		Forest and forestry:	
tion of beryl from spodumene		agricultural programs in forestry	
mill tailing.....	14748	(address).....	13577
For commanders, this changing		burning slash, tests of wind ma-	
world.....	13667	chine.....	14324
Forage plants, and cattle management		East European industries, transla-	
in longleaf-slash pine forests.....	13583	tions.....	14439,
Foraminifera, recent, off Central		14459, 14501, 14559, 14589,	
America (series).....	14342	14611, 14625.	
Ford, Frederick W., address, June 18,		eastern Kentucky, industry process-	
1964.....	14233	ing and marketing complex.....	13666
Foreign Affairs Committee, House:		forage and cattle management in	
hearings.....	14000	longleaf-slash pine forest	
reports.....	13964-969	lands.....	13583
Foreign Agricultural Service, miscel-		forest area and timber volume in	
laneous, FAS-M series.....	14289-292	western South Dakota.....	14320
Foreign agricultural trade, <i>see</i> Agri-		insects, 2 plot transfer devices de-	
cultural products.		veloped for aerial photographic	
Foreign agriculture, <i>see</i> Agriculture.		trend surveys.....	14328



## AUGUST 1964

	Entry		Entry
Forest and forestry—Continued		Fuel:	
national bank loans on forest tracts, liberalize restrictions, law	13890	Communist China, translations	14412, 14537, 14643
ocean accounting, byproduct of forest growth studies	14323	Federal supply catalog, management data list, change	14161
research notes	14308-329	Fuel rods, see Reactor fuel rods.	
research papers	14330-333	Fuels, see Fuel—Reactor fuels.	
site preparation, what do you mean?	14318	Fullam, Marie G., earned degrees by field of study and level projected to 1975	14181
see also National forests.		Fuller, Dennis E., aerodynamic characteristics of several proposed versions of Saturn V launch vehicle, etc.	14883
Formosa, labor law and practice in Taiwan (Formosa)	14690	Fulton, Joseph F., employment impact of changing defense programs	14710
Forrester, Anne N., educational data, Algeria	14182	Functions (mathematical), see Mathematics.	
Fort Bowie National Historic Site, establish, hearing	14143	Funds, see names of departments, etc., for which funds are used.	
Fort Devens Military Reservation, Army to adjust legislative jurisdiction exercised by U.S., report	14111	Fungicides, notices of judgement	13572
Fort Leavenworth Military Reservation, State highways bordering, retrocede jurisdiction to Kansas, report	14110	Furnaces, continuous, automation, USSR study	14629
Fort Union Trading Post National Historic Site, establish, report	14062	Furnishings (household), see Household goods.	
Fort Vancouver National Historic Site, general information	14968	Furniture, maintenance and repair, Navy policy, procedures, etc.	15180
Fort Walton Beach, Fla., land conveyance, from Eglin Air Force Base, change designated use, report	14113	Fusion, controlled nuclear fusion	13723
Fossils in Ordovician tuffs, northeastern Maine	14338		
Foster-home care, see Child placing.		G	
Founding:		Gages, rain, trough-type, evaluation	14322
Investment and chill casting, problems, USSR articles	14476	Gaging stations, stream, research on small watersheds	13581
Investment casting, new technology, USSR study	14513	Gaines, Edward M., pocket guide to improved grading system for ponderosa pine and sugar pine saw logs in trees	14306
FPC, see Federal Power Commission.		Galaxy, see Milky way.	
France, military and nuclear developments, press reports	14581	Gallagher, Ursula M., interprofessional teamwork to safeguard adoptions	13778
Frankfort, Ky., accident	14405	Gallates, anti-ray effect under conditions of irradiation with 1000 roentgens, USSR study	14615
Fraud, health, affecting the elderly, hearings	14122	Gallium arsenide, photovoltaic device, new method used to fabricate	14819
Free fall, human trajectories	13617	Galvano, commemorating golden anniversary of Naval Air Station, Pensacola, Fla., law	13868
Freeman, Orville L., addresses, May 27, 1964	13575-576	Gambel oak, see Oak.	
Freezing, soils, trafficability forecasting, pilot study	14211	Game and game birds, see Water birds.	
Fremont County, Wyo., Crooks Gap area, geology and uranium deposits	14337	Games, solution of discrete 2-person game with bluffing, USSR study	14562
Frequencies, natural, in coupled bending and torsion of twisted rotating and nonrotating blades	14778	Gamma rays, high-level dosimetry at Albany cobalt 60 facility	14747
Fresnel Integral, see Equations.		Ganslen, R. V., effects of some tranquilizing, analeptic and vasodilating drugs on physical work capacity and orthostatic tolerance	13736
Frictional wedge shock mount is inexpensive, has good damping characteristics	14802	Gardner, William L., report of task force on behavioral and social research	15029
Friedman, Sam, hydrogenation of New Mexico coal	14752	Garland, James D., occupational wage survey, Charlotte, N.C.	14697
Fringe benefits, see Employee benefit plans.		Gas, natural gas act, regulations, under, changes	14253
Frio River:		Gas Chromatography, see Chromatography.	
vicinity of Three Rivers, Tex., flood control, authorize survey—law	13915	Gas-cooled reactors, see Reactors (atomic).	
report	14088	Gas turbines, see Turbines.	
Frontier Airlines, Inc., accident	13789	Gases:	
Frost, conditions, pavement design, engineering manual	14204	Infrared analysis during molten salt electrolysis of metals	14758
Fruit:		measurement of moisture, radio-release technique	13705
fresh, prices, 1963	13599	partially ionized, transport properties, in presence of electric and magnetic fields	14893
harvesting and handling, use of cushioning materials	13567	rare, photoionization cross sections	14783
noncitrus, production, use, value by States, 1962-63	15129		
processed, plants under USDA continuous inspection, list	13558		



# INDEX

Entry	Entry
Gasoline, motor, petroleum products survey-----	14741
Gates, David M., line parameters and computed spectra for water vapor bands at 2.7 $\mu$ -----	14937
Gates, miter-type lock, operating forces on-----	14213
Geiger, Frances M., development research digest-----	14396
Gellnas, Wilfrid E., relief-----	13842
Genealogy, records in National Archives, guide-----	14931
General Dvestuffs Corp., stockholders' claims, amend Trading with the enemy act report-----	13982
Generators, see names or types of generators.	
Geochemistry:	
data (series)-----	14343
natural waters, Blue Grass region, Ky-----	14350
Geographic mobility, cost-----	13663
Geography, Mongolia, distribution of magma deposits-----	14528
Geological Survey:	
bulletins-----	14337-339
professional papers-----	14340-347
research 1964, geology and hydrology, short papers-----	14347
water supply papers-----	14348-357
Geology:	
contributions to general geology (series)-----	14338-339
contributions to geology of uranium (series)-----	14337
Crooks Gap, Fremont County, Wyo., geology and hydrology of Guam, Mariana Islands (series)-----	14340
Luke area, Maricopa County, Ariz., research 1964, short papers-----	14356
shorter contributions to general geology (series)-----	14344-345
Thomas and Dugway Ranges, Juab and Tooele Counties, Utah-----	14341
Geophysics:	
Air Force surveys in geophysics-----	13626-627
magnetotelluric investigations in Georgia, USSR-----	14430
Georgia, landings, fish and shellfish, annual summary, 1963-----	14263
Georgian Soviet Socialist Republic, magnetotelluric investigations-----	14430
Germany:	
Federal Republic-----	
foreign trade regulations-----	14379
market for semiconductor devices-----	13740
West, see, above, Federal Republic.	
Gianino, Peter D., drastic reduction of warm-up rate within Dewar system by helium desorption-----	13639
Gibson, James J., theory on visual perception, analysis of selected papers-----	15002
Gln notes, see Notes (In cotton).	
Ginning, see Cotton gins and ginning.	
Girl Scouts of America:	
military equipment for 1965 Senior Roundup encampment, report-----	13945
report, 1963-----	13922
Girls, mentally retarded, experimental training programs by nurse educators-----	13785
Glacial period, reef-associated limestones of Pleistocene age-----	14340
Glade oil reservoir, hydraulic fracture treatments-----	14753
Glass, Andrew C., statistical summary of 1962 inventory municipal waste facilities in U.S.-----	15068
Glass, glassy state, USSR-----	14635
Glasstone, Samuel, controlled nuclear fusion-----	13723
Glassy state, USSR-----	14635
Gilck, Marvin:	
occupational wage survey-----	14698
Milwaukee, Wis.-----	14694
South Bend, Ind.-----	15043
Glomerulonephritis, selected references-----	14316
Glue, control of conditions in gluing with protein and starch glues-----	14854
Goddard Space Flight Center, contributions to COSPAR meeting, June 1963-----	14888
Goetz, Robert C., flutter characteristics of delta-planform surfaces at Mach number of 15.4-----	13730
Gogel, Walter C., size cues and adjacency principle-----	14894
Gold, vacancy formation under high pressure-----	14175
Gold (money):	
foreign gold and exchange reserves, current situation and long-term trends-----	14201
Goldfeld, S., plastic fibrous reinforcement for portland cement-----	13582
Goodsell, Wylie D., farm costs and returns, commercial farms by type, size, and location-----	14167
Goodwin, Thomas C., laboratory-industrial cleaning techniques and materials-----	15071
Gordon, Tavia, blood pressure of adults by age and sex, U.S., 1960-62-----	14962
Gould, Augustus A., recent mollusca, illustrations of types described, etc-----	13771
Government:	
census 1962, publication program, list-----	15023
Federal-----	14014
needs best fulfilled by (address)-----	13831
paperwork, jungle, hearing-----	15022
patent policies, latest developments (remarks)-----	14003
role toward building Greater Society (address)-----	14139
use of polygraphs as lie detectors, hearings-----	13823
local organization and planning, impact of Federal urban development programs-----	13772
speaks to business (address)-----	
State and local, tax revenue, Jan.-Mar. 1964-----	
see also headings beginning Government.	
Government contractors, discrimination in employment on basis of age by Federal contractors, etc., Executive order against-----	14669
Government contracts:	
Davis-Bacon act, amend, law-----	13897
renegotiation act of 1951, extend-----	13888
law-----	14055
report-----	
Government employees, see Government officials and employees.	
Government offices:	
general Government matters, appropriations, 1965-----	13875
law-----	14066
report-----	
Government organization manual, 1964-65-----	14256
Interagency training programs, 1964-65-----	13804
Meteorological research and development, current activities-----	15153
Quality assurance provisions for NASA installations-----	14794
Records and papers, disposition, report-----	13931

# AUGUST 1964

Entry	Entry
Government offices—Continued	Grand Portage National Monument, general information..... 14969
reimburse owners, etc. of land acquired by Federal projects for moving expenses, report..... 14076	Grand Prairie, Tex., airport, relocate, law..... 13906
reorganization, <i>see</i> , in main alphabet, Government reorganization plans.	Grants-in-aid:
some U.S. Government agencies engaged in international activities..... 15103	Alaska reconstruction grants—
<i>see also</i> Government supplies.	hearing..... 14140
Government officials and employees:	reports..... 13953, 14067, 13998
employee conduct..... 15081	arts encouragement, hearings..... 13998
income, etc., filing annual reports, hearings..... 14156	community health services for chronically ill and aged, PHS project grants program..... 15166
interagency training programs, 1964-65..... 13804	educational and cultural exchange program of State Department, American grantees, 1963, list..... 15096
salary act of 1964, report..... 14071	Great River Road, planning and coordination, increase, report..... 14091
State agencies, scientific and technical personnel, employment in 1962..... 14705	highway construction act of 1964, report..... 14093
trades and crafts, employment opportunities..... 13805	highway program, State permitted to increase mileage, report..... 14090
Government Operations Committee, House, hearings..... 14001-4	hospital and medical facilities construction, hearing..... 14153
Government Operations Committee, Senate:	land-grant colleges for establishing water resources research centers, report..... 13958
committee prints..... 14138-139	mental health project grants program of NIMH, Federal assistance for projects in aging..... 15167
report..... 14076	national defense education act of 1958, counseling and guidance training institutes program, policies and procedures manual..... 14191
Government property, <i>see</i> Public property.	nursing schools, report..... 13980
Government publications:	public health graduate training program, extend, authorization, report..... 13984
displayed at U.S. pavilion, New York World's Fair..... 15039	Public Health Service, 1962 funds, summary tables for extramural programs..... 14951
price lists, Public Documents Division, PL series..... 15036	transportation, development of comprehensive and coordinated systems in metropolitan areas, law..... 13913
<i>see also</i> names of departments, etc., issuing publications— <i>also</i> subjects.	Grantz, Arthur, stratigraphic reconnaissance of Matanuska formation in Matanuska Valley, Alaska..... 14339
Government reorganization plans, act of 1949, extend, law..... 13899	Grapes:
Government securities:	production, use, value, by States, 1962-63..... 15129
direct purchase by Federal reserve banks, extend authority—	vines, nursery products, production and sales, 1962-63..... 15130
hearing..... 13996	Graphite:
law..... 13893	amorphous, temporary suspension of duty, continue, law..... 13879
report..... 14059	high density, recrystallized by hot forming..... 13652
Government supplies:	materials, research and development..... 13652
Federal specifications..... 14259	matrix fuels development for AVR, final report..... 13693
Federal standards..... 14260	Grasslands, national, range survey story and planning for management..... 13596
Federal supply catalog..... 14161	Gravitation, overloads, influence on arterial system of external nerves, USSR study..... 14616
Grace, J. L., jr., operating forces on miter-type lock gates..... 14213	Gravity:
Grading of commercial products, <i>see</i> names of products.	reduced, technique simulating effect..... 14832
Graduates:	survey and seismic studies in Crooks Gap area..... 14337
financing graduate education..... 14184	Great Britain:
high school, employment in 1963..... 14709	lights and fog signals, list..... 14992
Graff House, acquire for Independence National Historical Park, hearing..... 14144	trade in cereals, etc., agreement..... 15117
Graham, Donald P., dwarfmistletoe survey in western Montana..... 14317	Great Lakes:
Grain:	pilot survey, supplement..... 14714
cereals, etc., trade agreement with Great Britain..... 15117	transportation lines, 1964..... 14210
coarse, U.S. exports under Government programs, 1962-63..... 14290	Great Lakes States, tart cherry industry, production costs..... 14170
protection of grain products from radioactive chemical, and bacterial substances, discussed, USSR study..... 14591	
storage operations of Billie Sol Estes, Agriculture Dept. handling, hearing..... 14001	
toxic effect of molds on, USSR studies..... 14523	
<i>see also</i> names of grains.	
Grain elevators, country, selecting best capacity truck receiving facilities..... 13592	
Grain sorghum, <i>see</i> Sorghum.	
Grand Island, Nebr., aircraft accident..... 13789	

# INDEX

Entry	Entry
Great River Road, interstate planning and coordination, increase Federal assistance, report-----	14091
Great Sand Dunes National Monument, general information-----	14970
Greece, estate tax, convention of Feb. 20, 1950, protocol, report-----	14030
Green, Richard G., jr., relief-----	13851
Green, Richard S., storage and retrieval of data for water quality control-----	15069
Green, William J., jr., memorial services-----	13837
Greenberg, Leon: data for measurement of industrial productivity in U.S.-----	14707
paper presented, June 16, 1964-----	14713
Grimes, Hubert H., vacancy formation in gold under high pressure-----	14894
Grinding and polishing, lathe converted for grinding aspheric surfaces-----	14814
Gronouski, John A.: addresses-----	
June 10, 1964-----	15020, 15022
June 24, 1964-----	15028
June 26, 1964-----	15024
July 16, 1964-----	15021
July 18, 1964-----	15023
Grosenbaugh, L. R., instant octal accounting, byproduct of forest growth studies-----	14323
Gross national product, estimates, calendar year 1962, current market prices, free world summary-----	14397
Ground measurements of sonic-boom pressures for altitude range of 10,000 to 75,000 feet-----	14903
Ground water, <i>see</i> Water.	
Group behavior, children, research and informed judgment, guide-----	14186
Guam: geology and hydrology of Guam, Mariana Islands (series)-----	14340
petrology of limestones-----	14340
Guaranties and sureties, programmes d'assurance et garantie de credit applicables aux exportations des Etats Unis-----	13824
Guatemala, foreign trade regulations-----	14374
Guernsey cattle, <i>see</i> Cattle.	
Guest, S. H., acoustic efficiency trends for high thrust boosters-----	14841
Guidance, national defense education act of 1958, training institutes, program, policies and procedures manual-----	14191
Guidance systems, booster, manned guidance and control-----	14789
Guide books, ARA overall economic development programs, guidebook for area redevelopment organizations-----	13662
Guide to laws enforced by Alcohol and Tobacco Tax Division, for law enforcement officers-----	14366
Guide to research and informed judgment on grouping children-----	14186
Guidebooks, <i>see</i> Guide books.	
Gulf of Alaska, <i>see</i> Alaska, Gulf of.	
Gulf of Mexico, <i>see</i> Mexico, Gulf of.	
<b>H</b>	
Haidar, Walter, foreign trade regulations of Argentina-----	14380
Hall, Elizabeth H., handbooks, report bibliography-----	14166
Hall, L. A., thermophysical properties of argon from 0 to 300° K-----	14941
Haller, Henry C., comparison of heat-rejection and weight characteristics of several radiator fin-tube configurations-----	14898
Hallock, Hiram, sawing accuracy in circular mills-----	14310
Halls, L. K., forage and cattle management in longleaf-slash pine forests-----	13583
Hampton National Historic Site, general information-----	14971
Han, Linus, relief-----	14033
Hancock County, W. Va., coal, preparation characteristics-----	14746
Handbooks, cataloged by ASTIA, report bibliography-----	14166
<i>see also</i> names of departments, etc., issuing handbooks-- <i>also</i> subjects.	
Hanel, Rudolf A., exploration of atmosphere of Venus by simple capsule-----	14839
Hankel functions, <i>see</i> Bessel functions.	
Harding, Francis D., electronic engineer job types in Air Force Systems Command-----	13634
Hardwoods: burning does not control on short-leaf pine sites in Cumberland Plateau-----	14308
forest litter in southern Appalachians, rainfall interception-----	14332
Hardy, Catherine E., list of publications of FCS-----	14220
Harper, Charles W., stall characteristics of swept wings-----	14896
Harris, Norman O., stannous fluoride topically applied in aqueous solution in caries prevention in military population-----	13649
Harrison, N.J., railroad accident-----	14406
Harrison, Roland H., perfluorocyclobutane, thermodynamic properties-----	14757
Hart, Philip A., testimony, hearings-----	14156
Harvesting: fruits and vegetables, use of cushioning materials-----	13567
practices, Yazoo-Mississippi Delta, effects on fiber and spinning properties of cotton, 1959-60-----	13587
Hassan, H. A., transport properties of partially ionized gas in presence of electric and magnetic fields-----	14893
Hawaii: Kilauea Volcano, 1961 eruption-----	14345
surface waters, compilation of records, July 1950-June 1960-----	14355
Health: animal, veterinarian and FDA, guardians-----	14286
aspects of nuclear weapons testing-----	13721
community health services for chronically ill and the aged, PHS project grants program-----	15166
community's interest in health and safety of health workers (remarks)-----	14672
environmental health series, air pollution-----	15047
frauds and quackery affecting the elderly, hearings-----	14122
health information leaflets and pamphlets, list-----	15058
health information series-----	15048-50
health mobilization series-----	15051-53
Indian highlights-----	15054
mobilization, training literature, list-----	15051
occupational safety and health legislation, summary-----	14674
public-- grants for graduate training program, extend authorization, report-----	13984



Entry	Entry
Health—Continued	Helicopters—Continued
public—Continued	UH-1D 48-foot rotor with Kellet
improve through revising hospi- tal, etc., provisions of PHS act, hearing -----	60-gallon external fuel tanks, evaluation -----
outdoor recreation, policy -----	13622
professional personnel graduate training program, extend au- thorization, report -----	Hellum: desorption, drastic reduction of warm-up rate within dewar system -----
public health bibliography series -----	13639
radiological health manual for ex- perimental gas-cooled reactor -----	mass spectrometer leak detector, use -----
shopping, publications, list -----	14834
statistics, data from national health survey -----	minerals yearbook chapter -----
see also Mental Health.	600-A band -----
Health, Education, and Welfare De- partment, foreign assistance appropriations, 1965, reports -----	winged shapes, hypersonic aerody- namic characteristics -----
13950	14866
13952	Helvey, J. D., rainfall interception by hardwood forest litter in south- ern Appalachians -----
Health insurance:	14332
benefits for salaried employees, spring 1963 -----	Hemodynamics, see Blood.
14704	Hemopoiesis, see Blood.
Blue Cross and other private in- surance for the elderly, hear- ings -----	Hendrickson, Gerth E., geochemistry of natural waters of Blue Grass region, Ky -----
independent plans, 1963 -----	14350
Health resorts, USSR, science, physio- therapy, and therapeutic physio- cultural culture, studies -----	Hennig, Charles E., petroleum refin- eries in U.S., Jan. 1, 1964 -----
14462	14742
Hearing and speech disorders, sum- mary of progress -----	Henshaw, Lerner B., mechanism of autoregulation in intact kid- ney -----
14952	13734
Hearing examiners, examination an- nouncement -----	Herald of Academy of Medical Sci- ences (USSR periodical): translations -----
13811	14549, 14582
Heart, smoking and the heart -----	Hietbrink, Bernard E., X-irradiation influence on microsome oxidase and reductase activity in livers of young male rats -----
see also Kinetocardiography.	13651
Heat, heat-rejection and weight char- acteristics of radiator fin-tube configurations -----	Higgins, E. Eugene: classroom facilities planning aids -----
14898	14178
Heat transfer:	science facilities planning aids -----
measurements on flat plate and at- tached fins at Mach nos. of 3.51 and 4.44 -----	14196
14873	High pressure regulating system pre- vents pressure surges -----
stagnation point measurements in arc-heated subsonic stream, theoretical and experimental comparison -----	14801
14840	High schools: employment of high school gradu- ates and dropouts in 1963 -----
Heat treatment, reduction of post- harvest decay of peaches and nectarines -----	14709
13586	subjects, offerings and enrollments, 1960-61 summary -----
Heating, induction, application to rock deformation apparatus -----	14198
see also Aerodynamic heating.	High temperature materials, see Re- fractory materials.
Heating apparatus and supplies, re- fractory materials, apparatus for heating to high-tempera- tures in vacuum during tensile testing -----	Higher education, see Colleges and universities.
14805	Highlights of legislation on aging, bills affecting older persons in- troduced 88th Cong., 1st sess., Jan.-Dec. 1963 -----
Hebert, L. P., culture of sugarcane for sugar production in Louisi- ana -----	15168
13580	Highway engineers, aide, suggested training program -----
Hefferman, Paul J., analysis of non- linear noise in FDM telephony transmission over SSB-PM sat- ellite communication system -----	14188
14892	Highways, see Roads and highways.
Heflin, Leo G., fresh fruit and vege- table prices, 1963 -----	Hill, G. W., method of general plane- tary perturbations, modifica- tion -----
13599	14897
Heimbuch, Alvin H., scintillating anion exchange resin -----	Hill, Stephen D., high-level gamma- ray dosimetry at Albany cobalt 60 facility -----
13702	14747
Helicopters:	Hill-Burton program, extension and revision, hearing -----
harmonic drive, speed reducers, fea- sibility applications -----	14153
15137	Hills, Keith, relief -----
HH-43B, category 2 stability and control tests -----	14045
13612	Hills, Orin A., cantaloup insects in Southwest, how to control them -----
stimulation, analysis, equations of motion -----	13585
15005	Hillsman, Gladys M., now I am a per- son -----
UH-1B, equipped with XM-5 arma- ment kit, flight evaluation -----	13785
13621	Historic sites: national survey of sites and build- ings, general information -----
UH-1B with 60-gallon external fuel tanks, evaluation -----	14975
13623	registry of national historic land- marks -----
UH-1D, 48-foot rotor equipped with XM-6E2 armament kit, evalua- tion -----	14976
13620	see also names of historic sites.
	History, see Naval history.
	Hodges, Luther H.: addresses -----
	June 9, 1964 -----
	13817
	July 3, 1964 -----
	13819
	July 11, 1964 -----
	13818
	Hoists, heavy loads, buckle joins web straps quickly, adjusts easily -----
	14827

# INDEX

	Entry		Entry
Holder, Shelby H., jr., reclaiming and marketing cotton gin notes	14169	Housing—Continued	
Hollon, Dan H., household consumers' acceptance of instant sweetpotato flakes	13588	for the elderly in rural areas, insured loan program, extend—law	13889
Holmes, Ann C., basic data on economy of Norway	14387	report	14058
Holstein cattle, <i>see</i> Cattle.		legislation of 1964, questions and answers on provisions of S.2468	14129
Holton, Richard H.: addresses—		national housing act, amend, law	13897
Mar. 12, 1964	13825	project mortgage insurance, FHA regulations, amendments	14244, 14245
June 16, 1964	13820		
July 7, 1964	13823	sales, construction reports, announcement and order form—	13747
Homes:		starts, construction reports, announcement and order form	13747
Insured mortgage transactions, FHA data—		Housing and Home Finance Agency, loans or grants for urban mass transportation systems in metropolitan areas, authorize	13913
selected housing areas	14241	Housing insurance, <i>see</i> Mortgage insurance.	
States	14242	How safe are health workers? conference workshop (remarks)—	14672
mortgage insurance, FHA regulations, amendments	14243	Brasky, William C., radiance of earth and its limb in middle ultraviolet	14885
shopping, publications, list	15038	Hubbard, Harvey, ground measurements of sonic-boom pressures for altitude range of 10,000 to 75,000 feet	14903
Hoods (laboratory), <i>see</i> Laboratory apparatus and supplies.		Huber, Paul W., hypersonic shock-heated flow parameters, etc.	14900
Horowitz, Milton W., James J. Gibson on visual perception, analysis of selected papers	15002	Human engineering, <i>see</i> Man-machine system.	
Horticulture, tropical and sub-tropical, handbook	14398	Human factors aspects of lightplane safety	13737
Horwitz, Solis, nomination, hearing	14127	Human free-fall trajectories	13617
Hospitals:		Human race, <i>see</i> Man.	
civil defense emergency, pre-positioned and training, storage locations	15052	Hundley, R. O. ultraviolet spectroscopy of upper atmosphere	14769
emergency, civil defense custodian's handbook	15053	Hung-ch'i (periodical): translations	14436, 14481
hospital and medical facilities, Hill-Burton program, extend construction program, hearing	14153	Hungary:	
patient care, methods of studying— <i>see also</i> Mental institutions.	15061	National Patent Office applications	14515
Houglan, Marilyn J., mentally retarded contribute also	13785	provincial press, summaries. 14500, Research Institute of Organic Chemical Industry activities	14514
Hours of labor:		Hunt, J. McVicker, how children develop intellectually	13777
fair labor standards act, hours worked	15146, 15149	Hunt, W. W., jr., charge transfer studies with time-of-flight spectrometer, kinetic analysis	13645
supplementary compensation practices for production workers, employer expenditures, meat-packing and processing industries, 1962	14706	ion dissociation in drift tube of time-of-flight mass spectrometer	13637
union		Hunter, J. Scott, beginning teacher one year later	14177
motortruck drivers and helpers	14701	Husbandry, <i>see</i> Animals.	
printing industry	14702	Hutchinson, Joseph C., language laboratory, how effective is it?	14189
House Administration Committee, House, hearing	14005	Hydraulic fracture treatments in glade and Clarendon oil reservoirs, Warren County, Pa.	14753
House bills	13918	Hydraulic mine filling, properties of hydraulic backfills and preliminary vibratory compaction tests	14759
House documents	13919-926	Hydraulics, model investigations Arkansas River, overflow embankments	14212
House of Representatives, delegations to 4th meeting of Mexico-United States Interparliamentary Group, report	13963	Hydroelectric power plants, <i>see</i> Electric power plants.	
House reports:		Hydrogen:	
private bills	13927	catalytic reduction of carbon monoxide with hydrogen	14773
public bills	13928-985	cryopumping in vacuum chambers is aided by catalytic oxidation of hydrogen	14803
House trailers, <i>see</i> Trailers.		spontaneous chain ignition with oxygen in shock waves, USSR study	14444
Household goods:			
brought into U.S. under Govt. orders, exemption from duty, extend, law	13873		
furnishings, maintenance and repair, Navy policy, procedures, etc.	15180		
Houses, private one-family, labor and material requirements for construction	14703		
Housing:			
act of 1964, section-by-section analysis	14131		
Federal laws, amend, questions and answers on provisions of S. 2468	14129		
for elderly people, problems, hearings	14123		

	Entry
Hydrogenation, New Mexico coal, at short residence and high temperature -----	14752
Hydrology:	
contributions to hydrology of United States (series) -----	14356-357
geology and hydrology of Guam, Mariana Islands (series) -----	14340
research 1964, short papers -----	14347
stream, related to optimum discharge for king salmon spawning in northern California Coast Ranges -----	14357
Hygiene:	
labor, problems in production of metallic thallium and its salts, USSR study -----	14547
radiation hygiene, USSR studies -----	14455
Hypersonic flow, <i>see</i> Flow.	
Hypertension, <i>see</i> Blood pressure.	

I

I.R.G.R., <i>see</i> International Research Group on Refuse Disposal.	
Ice:	
reflection and transmission coefficients at interface ice-solid -----	14202
sea and salt, structural control of vertical variation of strength -----	14203
Ice cream, ices, etc., containers, amend D.C. act regarding size, report -----	14106
Idaho, weather stations, decadal census -----	15157
Ifaiuk Atoll, free-living Copepoda -----	14961
Igneous rocks, fossils in Ordovician tuffs, northeastern Maine -----	14338
Ignition, spontaneous chain ignition of hydrogen with oxygen in shock waves, USSR study -----	14444
Ikels, Kenneth G., solubility of neon in water and extracted human fat -----	13650
Illg, Walter, axial-load fatigue properties of PH 15-7 Mo stainless steel, etc. -----	14887
Illinois, electric rate book -----	14247
Illness, <i>see</i> Sick.	
Imle, Ernest P., relief -----	13852
Immunobiology, USSR studies -----	14638
Impact, biomedical research studies, bibliography -----	13732
Imperial Council of Ancient Arabic Order of Nobles of Mystic Shrine, <i>see</i> Ancient Arabic Order of Nobles of Mystic Shrine.	
Imperial Shrine Convention, Inc., 1965, permits, authorize, report -----	14107
Imports, foreign trade reports -----	13768
<i>see also</i> names or classes of articles imported— <i>also</i> names of countries, etc.	
Improved insertion-loss tester -----	14824
In vitro effectiveness of topical applications of low concentration stannous fluoride solutions -----	13647
Inauguration of Vice President, <i>see</i> President of United States.	
Income:	
consumer expenditures and income—	
rural nonfarm areas in western region, 1961 -----	14687
urban places, western region, 1960-61 -----	14686
working with low-income rural families -----	14237
<i>see also</i> subject from which income is derived.	

Income tax:	
business, unrelated taxable income, amend Internal revenue code, report -----	14068
deductibility of accrued vacation pay, extend time, report -----	13946
deductions, depletion allowance, apportionment between parties, to certain contracts for extraction of minerals, report -----	13948
exempt status for nonprofit nurses' professional registries, report -----	13962
IRS looseleaf regulations system -----	14367
State and territorial, withholding on compensation of Federal employees, regulations governing -----	15140
State taxation of interstate commerce report -----	13928
Independence National Historical Park, acquire Graff House site, hearing -----	14144
Indexes:	
agriculture bibliography, serial publications indexed in -----	14930
Commercial Fisheries Bureau, Branch of Technology publications, 1955-59 -----	14277
National Guard Bureau publications -----	14943
nuclear science abstracts, conferences abstracted in -----	13709
Oak Ridge National Laboratory master analytical manual -----	13712
La Stampa and La Stampa sera -----	14442, 14554
Indian Affairs Bureau, publications price list -----	14362
Indian Claims Commission:	
appropriations, 1965—	
law -----	13904
report -----	13951
Indian Ocean:	
radio navigational aids, 1964, change -----	14994
tide tables, 1965 -----	13812
Indian:	
Indian health highlights -----	15054
industrial development program -----	14361
publications, price list -----	14362
sanitation facilities, PHS authority under P.L. 86-121 -----	15064
Indonesia, press surveys -----	14499, 14658
Induction (military service), <i>see</i> Military service.	
Induction heating, <i>see</i> Heating.	
Inductors, toroidal, with dc bias, designing -----	14861
Industrial accidents, <i>see</i> Accidents.	
Industrial arbitration, Labor Board, hospitable reception for arbitration (address) -----	14960
Industrial Development Mission to the Philippines to promote machinery exports -----	14391
Industrial production, <i>see</i> Production.	
Industrial relations:	
labor-management reporting and disclosure act of 1959, text -----	14668
Post Office Department and AFL-CIO, agreement -----	15025
Industrial waste, <i>see</i> Waste products.	
Industries, <i>see</i> Industry— <i>also</i> names of industries.	
Industry:	
big city, characteristics -----	13661
Communist China, translations -----	14412, 14537, 14643
current industrial reports -----	13750-761
heavy, East European, translations -----	14485, 14502
Indian industrial development program -----	14361
injury rates, 1958-60 -----	14691



# INDEX

Industry—Continued	Entry	Entry	Entry
modernization—		Interagency training programs, 1964—	
Long Island Conference proceed-		65	13804
ings, Apr. 16, 1964	13742	Inter-American Development Associa-	
Portland Area Conference pro-		tion, foreign assistance appro-	
ceedings, Mar. 26, 1964	13743	priations, 1965, report	13952
Southwestern Conference pro-		Inter-American Development Bank,	
ceedings, Jan. 17, 1964	13744	foreign assistance appro-	
Washington State Conference		priations, 1965, report	13950
proceedings, Mar. 31, 1964	13745	Interdepartmental Committee on	
USSR development, translations—		South Bend Studebaker Shut-	
automotive industry	14493	down, report, abstracts from	13656
chemical industry	14631	Interest equalization tax act, hear-	
electrical equipment	14652	ings	14134
ferrous metallurgy	14491	Interferometers, <i>see</i> Michelson-stella	
metalworking equipment	14520, 14545	interferometer.	
nonferrous metallurgy	14507	Interior and Insular Affairs Commit-	
regional economy	14432, 14458, 14570	tee, House:	
<i>see also</i> names of industries.		hearings	14006-8
Inflammable materials, lip, face and		reports	13953, 13970
hair preparations, flammability		Interior and Insular Affairs Commit-	
in presence of 100% oxy-		tee, Senate:	
gen	13729	hearings	14140-146
Information and travel tips, do's and		reports	14031,
don'ts	15095	14050, 14052, 14054, 14061-62,	
Information assimilation from alpha-		14067, 14072, 14077.	
numeric displays, amount and		Interior Department:	
density of information pre-		appropriations, 1965—	
sented	13685	law	13904
Information storage and retrieval		report	13951
systems:		Intermountain region, Forest Service,	
automated approach, library appli-		yearbook, 1962	14297
cations	15078	Internal revenue:	
water quality control data	15069	code of 1954, amend—	
Infrared spectrometer, <i>see</i> Spectrome-		hearings	14134
ters.		reports	13962, 13946
Infrared spectrum, <i>see</i> Spectra.		unrelated business taxable in-	
Inheritance and transfer tax, estate		come, report	14068
tax, agreement with Greece,		tax rate extension act of 1964, re-	
protocol, report	14030	port	13955, 14057
Injuries:		<i>see also</i> names of certain taxes,	
accidental, statistics	15040	e.g. Income tax.	
rates by industry, 1958-60	14691	Internal Revenue Service:	
<i>see also</i> Accidents.		Alcohol and Tobacco Tax Division,	
Insecticides:		laws enforced, guide for law	
cost of cotton insect control with		enforcement officers	14366
insecticides at Tallulah, La.	13565	looseleaf regulations system	14367
insecticide formulation, instructive		technical information release	14368
communication	15055	International agreements, <i>see</i> sub-	
notices of judgment	13572	jects, names of countries, etc.	
<i>see also</i> names of insecticides.		International Boundary and Water	
Insects:		Commission, United States and	
cantaloup, control	13585	Mexico:	
cotton, cost of control with insecti-		flood control works, joint construc-	
cides at Tallulah, La.	13565	tion, etc., conclusion of agree-	
forest, two plot transfer devices de-		ments	
veloped for aerial photographic		hearings	14000
trend surveys	14328	report	13966
Insertion loss, improved tester	14824	International boundary studies	15099-101
Inspection (Industrial):		International Commerce Bureau, in-	
motor carriers, vehicles road-check		ternational business publica-	
results	14407	tions, checklist	14369
<i>see also</i> names of articles, etc., in-		International Commission for Super-	
spected.		vision and Control of Laos,	
Inspectors, <i>see</i> types of inspectors.		U.S. share of cost of opera-	
Installations (military):		tions, report	13967
construction authorization, 1965, re-		International Development Associa-	
port	14053	tion, foreign assistance appro-	
naval building maintenance, furni-		priations, 1965, reports	13950,
ture and furnishings	15180	13952	
Instruction, <i>see</i> Programmed instruc-		International exchanges:	
tion.		agreement with USSR	15118
Instructor's guide IG series	13794	agriculture delegation to USSR,	
Instrumentation:		report, 1963	14173
instrumentation papers	13631-632	International relations:	
satellite, use of solid circuits	14836	for commanders, this changing	
Insurance, <i>see</i> types of insurance.		world	13667
Integral coolant channels simply		some U.S. Government agencies en-	
made by melt-out method	14807	gaged in international activi-	
Integral neutron thermalization	13692	ties	15103
Integrated system for collecting and		USSR, economic relations, trans-	
analyzing environmental test		lations	14518
data	14863	International Research Group on	
Integration, <i>see</i> Race problems.		Refuse Disposal, information	
		bulletins	15056

Entry	Entry
Interparliamentary Group, Mexico-United States, <i>see</i> Mexico-United States Interparliamentary Group.	IRS, <i>see</i> Internal Revenue Service.
Interpretative bulletin, Wage and Hour and Public Contracts Divisions -----	Isakson, G., natural frequencies in coupled bending and torsion of twisted rotating and nonrotating blades -----
15146	14778
Interstate agreements:	Isler, D. A., spray distribution patterns from Piper PA-18A airplane flying at 50 feet -----
Delaware-New Jersey Delaware River Port Authority compact, consent of Congress, law -----	13566
13870	Isotopes, radiolotope shielding design manual -----
Pennsylvania-Ohio compact, Pymatuning Lake, amend rel. to specifications and speed of motorboats, consent of Congress, report -----	13703
14081	<i>see also</i> names of isotopes, e.g. Uranium isotopes.
Interstate and Foreign Commerce Committee, House:	Israel, accessions list, Library of Congress, American Libraries Book Procurement Center, Tel-Aviv -----
hearing -----	14717
14009	Italy, market for semiconductor devices -----
13973, 13975, 13980-984	13740
Interstate compacts, <i>see</i> Interstate agreements.	Ivory Coast, foreign trade regulations -----
Interviewing and counseling, basic supervisory training course -----	14383
15082	Izvestiya VUZov (periodical): translations -----
Intestines, common protozoa of man -----	14479, 14509
15045	
Inventions, Government owned, available for license, patent abstract series, supp -----	J
15135	Jackson County, Miss., soil survey report -----
Inventories:	15093
Census Bureau, machine-readable data available -----	Jamaica, N.Y., aircraft accident -----
13769	13786
municipal waste facilities in United States, 1962, statistical summary -----	Japan:
15068	Japanese Association for Radiation Research on Polymers, reports, 1960-61 -----
Inverters, silicon controlled rectifier, circuit controls transients -----	13689-690
14815	portland cement, white, determination of no injury to U.S. industry -----
Investment casting, <i>see</i> Founding.	15134
Investment companies, small business program, hearings -----	trade in manufactured products, 1961-62 -----
14018	14392-394
Investments, factors in Republic of Korea -----	trends and developments in economy affecting market for U.S. farm products, 1950-62 -----
14382	14174
Investors, protection in securities markets, report -----	Javits, Jacob K., testimony, hearings -----
13978	14156
Ion dissociation, drift tube of time-of-flight mass spectrometer -----	14334
13637	Jefferson National Forest, story -----
Ionization:	14786
photoionization cross sections of rare gases -----	Jensen, A. O., vapor thermionic converters for nuclear application -----
14781	14786
photoionization of atomic oxygen -----	Jensen, Malcolm W., examination of farm milk tanks -----
14779	14933
Ionizing radiation, stability of functionally heterogeneous portions of DNA, USSR study -----	Jersey cattle, <i>see</i> Cattle.
14623	Jets:
Ionosphere:	comparisons of experimental free-jet boundaries with theoretical results obtained with method of characteristics -----
east-west propagation paths, sunrise effects -----	14865
13629	highly underexpanded free jets impinging upon parallel flat surface -----
Martian and Cytherian, theoretical study -----	14864
14868	Justo, James E., project fog drops -----
research by satellites, agreement with Canada -----	14785
15112	Job Corps:
Ions:	establish -----
double layer and electrostatic adsorption, USSR study -----	hearings -----
14456	14152
multiply charged ions survey -----	report -----
14942	14120
Iran, cotton -----	Job horizons for college women in 1960's -----
14292	15175
Ireland:	Job seekers, <i>see</i> Unemployed.
electromechanical fishing and counting fence used -----	Jobs, <i>see</i> Occupations—Women.
14267	Johnson, Joseph L., infrared analysis of gases produced during molten salt electrolysis of metals -----
14386	14758
IRGR, <i>see</i> International Research Group on Refuse Disposal.	Johnson, Louis F., jr., maximum pressure-volume relationships of human respiratory system -----
Iron:	13648
low copper and sulfur content, recovered by smelting copper reverberatory slags -----	Johnson, Nicholas:
14762	remarks—
ores, Mesabi Range, feasibility of Krupp-Renn process for treating, digest -----	June 24, 1964 -----
13665	14723
<i>see also</i> Cast iron.	July 27, 1964 -----
Irradiation, <i>see</i> Radiation—X-rays.	14724
Irrigation, USSR, discussion of problems at February plenum of Central Committee CPSU -----	Johnson, Richard L., recent mollusca of Augustus Addison Gould, etc -----
14650	14962
	Johnson, Robert C., fibrous silicon nitride synthesis and properties -----
	14749



# INDEX

	Entry
Joint Publications Research Service, JPRS series-----	14408-659
Jonathan, N., planetary physics, chemiluminescence from atomic oxygen-nitric oxide reaction under upper atmospheric conditions-----	14780
Journals, executive proceedings of Senate, 88th Cong., 1st sess., index-----	14022
Journey without adventure and fantasy, Communist China-----	14451
JPRS series-----	14408-659
Juab County, Utah, geology and mineral deposits-----	14341
Judge Advocate General, Army, legal service, pamphlets-----	13671-674
Judicial Conference of United States, proceedings-----	13925
Judiciary Committee, House: hearings-----	14010
report-----	13928
Judiciary Committee, Senate: hearings-----	14147-150
reports-----	14032-47, 14079-81, 14083-86, 14099
Jurisdiction, naval hospital, Portsmouth, Va., adjust, report-----	14116
Justice Department: opinions of Attorneys General, bound volume-----	14660
departmental edition-----	13919
document edition-----	
<b>K</b>	
Kaibab Lumber Co., land sale to----	13863, 14031
Kamm, Irmin O., research on light-truck highway train-----	15136
Kampouris, Polly A. M., relief-----	14037
Kansas, highways bordering Fort Leavenworth Military Reservation and U.S. Penitentiary at Leavenworth, retrocede jurisdiction, report-----	14110
Kansas City, Mo., aircraft accident-----	13788
Keating, Kenneth B., testimony, hearings-----	14156
Kelley, Catherine M., foreign trade regulations of Austria-----	14381
Kenline, Paul A., air pollution and kraft pulping industry-----	15047
Kennedy, John F., inaugural address, Jan. 20, 1961 (poster)-----	13920
see also President of United States.	
Kennewick division, see Yakima project.	
Kentucky: eastern, forest industry processing and marketing complex-----	13666
electric rate book-----	14248
primary wood industries of Kentucky, utilization summary and directory-----	14307
Key to meteorological records documentation-----	15156-162
Keyserling, Mary D.: addresses-----	
May 25, 1964-----	15172
July 18, 1964-----	15177
Kidneys: autoregulation, mechanism in intact kidney-----	13734
functional condition after repeated thermal trauma, USSR study-----	14468
renal function and renal hemodynamics, acute and chronic effects of insecticide endrin-----	13728
Kilauea Volcano, 1961 eruption-----	14345

	Entry
Kinetics: analysis, including attenuation of both neutrals and ions by scattering-----	13645
equations for plasma including radiation in presence of external magnetic field, solution-----	13699
reactor kinetics and control, symposium-----	13714
see also Chemical reactions.	
Kinetocardiography, accelerometric precordial ballistocardiogram in hypertension-----	14913
King salmon, see Salmon.	
Kings Canyon National Park, general information-----	14979
Kings Mountain, N.C., Foote Mineral Co., continuous flotation of beryl from spodumene mill tailing-----	14748
Kits, see Armament Kits.	
Knight, S. J., forecasting trafficability of soils subjected to freezing and thawing-----	14211
Kobett, D. R., panel flutter research-----	14788
Kohl, Jessie W., research reported by Naval Medical Research Laboratory, 1963-----	14728
Korea, Republic, investment factors-----	14382
Kraft paper, see Paper.	
Krupp-Kenn process, treating lean iron ores of Mesabi Range, feasibility-----	13865
Kudirka, Joseph M., flight evaluation of UH-1B helicopter equipped with XM-5 armament kit-----	13621
Kyanite and related minerals, minerals yearbook chapter-----	14739
<b>L</b>	
Labels, steel containers in interstate commerce, report-----	13983
Labor: Formosa, labor law and practice-----	14690
labor force, special report-----	14709
markets-----	
cost of moving from one area to another-----	13663
occupational earnings, 1963-64-----	14711
monthly labor review, reprints-----	14709-710
requirements for private one-family house construction-----	14703
worker and farmer share role in building Great Society (addresses)-----	13575-576
see also Wages--also headings beginning Labor.	
Labor and Public Welfare Committee, Senate: hearings-----	14151-155
report-----	14120
Labor hygiene, see Hygiene.	
Labor laws: Federal laws and programs, layman's guide-----	14671
labor law and practice in Taiwan (Formosa)-----	14690
State, affecting women, North Dakota-----	15176
State minimum wage laws, summary-----	14673
State occupational safety and health, summary-----	14674
State wage payment and collection, suggested language-----	14683
Labor legislation, see Labor laws.	
Labor management, see Industrial relations.	
Labor-management reporting and disclosure act of 1959, text-----	14668
Labor markets, see Labor.	



# AUGUST 1964

Entry	Entry
Labor standards : fair labor standards act— hours worked-----15146 quick look at hours worked under, information folder-----15149 young workers, provisions appli- cable-----15147	Law—Continued procurement legal service, Army pamphlet-----13679 slp laws (private) 88th Con- gress-----13840-865 slp laws (public) 88th Con- gress-----13866-915 State, time off for voting-----14670 see also subjects.
Labor Standards Bureau : bulletins-----14670-671 fact sheet (series)-----14673-675	Law enforcement, officers, guide to laws enforced by Alcohol and Tobacco Tax Division-----14366
Labor Statistics Bureau : BLS report series-----14685-691 bulletins-----14692-706	Laws, see Law—also subjects. Layout, see Plants (Industrial). Leaching, mercury, continuous-circuit method, cost estimates and op- timum conditions-----14744
Labor unions, agreements with Post Office Department, 1963 and 1964-----15026	Lead : disposal from national stockpile— hearings-----13992 reports-----13936, 14095
Laboratories, see names of laborato- ries or places where located. Laboratory apparatus and supplies, stainless steel fume hood for safety in use of perchloric acid-----14755	Lead oxides, morphology of PbO <sub>2</sub> in positive plates of lead acid cells-----15007
Laboratory-industrial cleaning tech- niques and materials-----14167	Leaflets, see names of departments, etc., issuing leaflets—also sub- jects.
Laciskey, John F., union wages and hours, motortruck drivers and helpers-----14701	Leak detectors, helium mass spec- trometers use-----14834
Lacroix, Henri P., address, June 23, 1964-----14678	Learning : computer-aided, sound identifica- tion, experiments-----15003 one-trial, and quantum psychophys- ics, synthesis-----15006
Ladd, Richard S., treasure maps and charts, list-----14716	Leases, phosphate, increase acreage limitation, hearing-----14145
Lake Erie, Battle of, Sesquicentennial Celebration Commission, see Battle of Lake Erie Sesquicen- tennial Celebration Commis- sion.	Lee, Charles F., mechanizing blue crab industry-----14269
Lakes, see names of lakes.	Lee Transportation Co., Inc., acci- dent-----14404
Lamb : imports, restrict— hearings-----14135 report-----14098	Legal opinions, rulings in administra- tion of Railroad retirement act and Railroad unemploy- ment insurance act, 1961-----15074
Land, acquired by Federal agencies for projects, reimburse owners for moving expenses, report-----14076	Legal services, see Law.
Land-grant colleges : funds to establish water resources research centers, report-----13958 salaries and student charges, 1963- 64-----14195	Legislation, major legislative actions, 88th Congress-----13917 see also Labor laws—Law—also subjects.
Landes, R. A., internal environmental simulator for man-machine sys- tem design-----15004	Legislative jurisdiction, see Jurisdic- tion.
Landing (spacecraft), see Spacecraft.	Legislative Standards Commission, establish, hearings-----14156
Language and languages, language laboratory, how effective is it?— see also names of languages.-----14189	Leslie, Edward A., foreign trade reg- ulations of Ireland-----14386
Lansing, John B., cost of geographic mobility-----13663	Lettuce, prepackaging at shipping point-----13591
Laos : Burma boundary, study-----15100 Cambodia, boundary, study-----15099 China boundary, study-----15101 prescription for peace-----13667 United States contribution for su- pervision and control, report-----13967	Lewis, Wayne C., board materials from wood residues-----14314
Lassen Volcanic National Park, gen- eral information-----14972	Liability insurance, motor vehicle, Army regulations-----13670
Lassiter, Roy L., jr., utilization of U.S. otter-trawl shrimp vessels in Gulf of Mexico, 1959-61-----14271	Libby, Charles E., stalling and tum- bling of radio-controlled para- wing airplane model-----14852
Las Vegas, Nev., aircraft accident-----13787	Liberia : education and culture, exchange program, financing, agree- ment-----15122 military mission, agreement-----15126 Port of Monrovia, transfer of title, agreement-----15119
Lathes : converted for grinding aspheric surfaces-----14814 copying, for shoes, temporary sus- pension of duties, continue, law-----13885	Libove, Abraham H., survival experi- ence of radium cases-----13701
Launchers, Saturn V launch vehicle, proposed versions, aerodynamic characteristics-----14883	Libraries : automated approach to technical information retrieval system-----15078 book of the future, USSR study-----14522 library research in progress-----14190 new serial titles, 3d edition, 1963 cumulation-----14719 State functions, 3d assembly, pro- ceedings-----14720
Law : Eastern Europe, legal journals, abstracts-----14646 Judge Advocate legal service, Army pamphlets-----13671-674	

# INDEX

Entry	Entry
Library accessions, Israel, American Libraries Book Procurement Center, Tel-Aviv-----	14717
Library list, National Agricultural Library-----	14930
Library of Congress: accessions, Israel, American Libraries Book Procurement Center, Tel-Aviv-----	14717
catalog, music and phonorecords-----	14718
Public law 480 project, accessions list, Israel-----	14717
treasure maps and charts, list-----	14716
Licenses, shelter, licensing and marking instructor's guide-----	13794
see also classes of persons to whom, or subjects for which, licenses are issued.	
Lie detectors, use of polygraphs by Federal Government, hearings-----	14003
Liens, bankrupt estate priorities, report-----	14079
Life insurance: national service-----	
raising age limit to 65 for total disability income provision-----	
law-----	13903
report-----	14064
walver of premiums upon becoming disabled prior to age 65-----	
law-----	13912
report-----	14063
Life on other planets, transmission of information by extraterrestrial civilizations, USSR study-----	14648
Life support systems, internal environmental simulator for man-machine system design-----	15004
Lift (aircraft): parawings as auxiliary lifting devices for supersonic airplane configuration, low-speed, longitudinal aerodynamic investigation-----	14879
Light, absolute photometry of night sky, zenith intensity of Haleakala, latitude N 20.7°, and at Fritz Peak latitude N 39.9°-----	14939
Light filters, color photography, selection of camera filters-----	14934
Lights and lighting, Naval Oceanographic Office list, British Isles, etc-----	14992
Limestone, Guam, petrology-----	14340
Lincoln, Abraham, statue for presentation to Mexico, report-----	13964
Lincoln, Nebr., root development of ponderosa pine transplants-----	14326
Line parameters and computed spectra for water vapor bands at 2.7u-----	14937
Lipper, Harold W., helium-----	14735
Liquid fluorine, see Fluorine.	
Liston, Sonny, boxing activities, investigation, hearings-----	14150
Lists, see subjects of lists.	
Literature: civil defense training, list-----	15051
nuclear science conference, availability-----	13717
index-----	13709
Liver, microsome and reductase activity in young male rats, influence of X-irradiation on development-----	13651
Livestock, feed production, current industrial report-----	13757
Lloyd, Dallas, arms control and disarmament, studies in progress or recently completed-----	15106
Load (mechanics): air loads on man, studies-----	13726
Loading, see Unloading and lading.	
Loans: Alaska reconstruction of areas damaged by earthquakes-----	14140
hearing-----	14067
reports-----	13953
Farmers Home Administration, increase limitation, report-----	13949
forest tracts, by national banks, liberalize restrictions, law-----	13890
housing for elderly in rural areas, insured loan program, extend-----	
law-----	13889
report-----	14058
national defense student loan program, increase authorization, etc., hearings-----	14151
urban mass transportation, additional assistance, law-----	13913
Locks (hydraulic engineering): miter-type gates, operating forces on-----	14213
Lodgepole pine, see Pine.	
Logic (symbolic and mathematical): computer circuit will fit on single silicon chip-----	14809
digital elements provide additional functions from analog input-----	14822
microelectronic design, MRIR-PCM telemetry system, practical example-----	14856
Logical forms of crime classification, USSR-----	14452
Logs, ponderosa and sugar pine, grading saw logs in trees, improved system, guide-----	14306
see also Scale (logging).	
Long Island Conference on Industrial Modernization proceedings, Apr. 16, 1964-----	13742
Longleaf pine, see Pine.	
Lopez, Faye E. R., relief-----	13845
Lotan, James E., regeneration of lodgepole pine-----	14319
Louisiana, sugarcane culture for sugar production-----	13580
Lower Colorado River Land Use Advisory Committee, report-----	14364
Lower Teton Division, see Teton Basin project.	
Lu, Z. A., finite element solution for thin shells of revolution-----	14768
Lubricants, Federal supply catalog, management data list, change-----	14161
Luevano, Daniel M., nomination, hearing-----	14127
Luke, Keung P., theoretical study of zero-field electron work function of metal immersed in gas, direct application to cesium thermionic diode-----	14886
Luke area, Ariz., geology and ground water of Maricopa County, Ariz-----	14356
Lumber: board materials from wood residues-----	14314
industry, mergers and economic concentration in Douglas-fir-----	14331
overlays, old product in new dress-----	14311
Luminescence, chemiluminescence from atomic oxygen-nitric oxide reaction under upper atmospheric conditions-----	14780
Lunar: NOTE.—For other subjects beginning Lunar, see Moon.	
Lunar missions, see Moon.	

# AUGUST 1964

Entry	Entry
Lunar science, lunar surface studies, bibliography-----	14798
Lungs, device induces lungs to maintain known constant pressure-----	14825
Lynn, Ind., accident-----	14405
Lyons, John C., welded electronic module fabrication-----	14862
<b>M</b>	
MA SP series-----	14723-724
Mable, C. P., petrographic study and classification of western phosphate ores-----	14750
Macaroni, recipes, Army technical manual-----	13682
McBrien, Thomas H., remarks, June 24, 1964-----	14682
McCain, John S., new 4-ocean challenge-----	15015
McGary, J. W., oceanographic observations, North Atlantic Ocean station Delta 44° N, 41° W-----	13815
McGauhey, P. H., causes and prevention of failure of septic-tank percolation systems-----	14240
Machinery, selected, and equipment, trade of United States, Western Europe, Canada, and Japan, 1961-62-----	14393
Machinists, see Aviation machinists.	
McIntyre, Walter, simulation of helicopter and V/STOL aircraft-----	15005
McKee, Richard C., financing graduate education-----	14184
McKenzie, Mary A., proceedings of 3d assembly on library functions of States-----	14720
McMurray, Joseph P., remarks, July 13, 1964-----	14239
McNulty, Donald J., occupational wage survey, Cincinnati, Ohio-Ky-----	14700
McReynolds, Jane, airman qualifying examination, use to predict completion of basic training-----	13635
Magma, Mongolia, deposits, geographical distribution-----	14528
Magnesium:	
alloys, high temperature processing, USSR study-----	14410
minerals yearbook chapter-----	14740
Magnetic fields:	
azimuthal, of thick, finite-length, helical solenoid-----	14895
excitation of electrostatic oscillations-----	13698
kinetic equations for plasma including radiation, solution-----	13699
magnetotelluric investigations in Georgia, USSR-----	14430
Maher, James F., Jr., YLR99-RM-1 rocket engine operating experience in X-15 aircraft-----	14899
Mail matter, morally offensive matter sent through mail, protect postal patrons, report-----	13938
Maine:	
retirement system, separate treatment for teachers and other employees for social security purposes, law-----	13898
women, legal status-----	15173
women workers, 1960-----	15178
Maintenance:	
aircraft maintenance, preventive maintenance, etc., Federal aviation regulations-----	14228
management data, field command procedures, Army manual-----	13683
precision approach radar (PAR) facilities, FAA handbook-----	14228
Malaria, description, etc., health information series-----	15049
Malawi, tobacco production and marketing-----	14291
Malheur National Wildlife Refuge, mammals, list-----	14280
Mali, foreign trade regulations-----	14383
Malignant tumors, see Cancer.	
Mammals:	
Malheur National Wildlife Refuge, list-----	14280
sea, America's rare-----	14274
Man:	
air loads effects, studies-----	13726
common intestinal protozoa-----	15045
training of people, implications of changing technology (address)-----	14677
use in booster guidance and control-----	14789
Man-machine system, performance and control system lags-----	14791
Management, see Administrative management.	
Managers, training and development, Army pamphlet-----	13677
Manella, Raymond L., racially integrating State's training schools-----	13782
Manganese:	
electronic paramagnetic resonance spectra, chemical bond estimation, USSR study-----	14456
ore, suspension of import duty, law-----	13887
resources of Batesville district, Ark., field investigations, July 1956-June 1961-----	14760
Manpower, experimental and demonstration programs, demonstration notes-----	14663-664
Manring, E., model for periodic character of winds from 85 to 135 km-----	14767
Manson unit, see Chief Joseph Dam project.	
Manuals, see names of departments, etc., issuing manuals—also subjects.	
Manufactures and manufacturers:	
census, 1963, reference manuals, announcement and order form-----	13746
earnings series, summary, 1939-64-----	14685
U.S. share of world markets for manufactured products, analysis of changes from 1954-61-----	14395
see also names of manufactured articles.	
Maps and charts:	
Census Bureau, United States maps, GE-50 series-----	13775
standard metropolitan statistical areas, U.S. and Puerto Rico, 1963-----	13775
treasure maps and charts in Library of Congress, list-----	14716
Maricopa County, Ariz., geology and ground water of Luke area-----	14356
Marine Corps:	
new 4-ocean challenge-----	15015
officers, promotions, improved opportunity, extend, report-----	14118
uniform regulations, changes-----	14721-722
Marine fauna, America's rare sea animals-----	14274
Maritime Administration, SP series-----	14723-724
Maritime law, law of the sea, convention on Continental Shelf, adopted at UN conference-----	15114



# INDEX

Entry	Entry
Markets and marketing: market indicators for Asia and Oceania-----	14372
marketing research reports-----	13586-592
modernization, key to new markets (address)-----	13741
Netherlands, factors-----	14388
U.S. share of world markets for manufactured products, analysis of changes from 1954-61-----	14395
Venezuela, market for U.S. products-----	14370
see also subjects.	
Marks, Leonard, jr., nomination, hearing-----	14127
Marriage, District of Columbia divorce, legal separation and annulment laws, amend, report-----	13972
Marrow, bone, transplantation, in acute radiation sickness, state of hemopoietic tissue, USSR study-----	14592
Mars (planet): ionosphere, theoretical study-----	14868
Marshall County, W. Va., coal, preparation characteristics-----	14746
Martin, Clarence D., remarks, June 15, 1964-----	13826
Martin, Kenneth L., limited C-130-E category 2 stability and control tests-----	13615
Martino, Angelina, relief-----	14038
Marty, Robert, evaluating and scheduling white-pine weevil control in northeast-----	14330
Martz, C. William, complex Fresnel integral tables-----	14797
Maryland: construct additional bridge across Chesapeake Bay, report-----	13954
training schools, integrating-----	13782
Mass spectrometers, see Spectrometers.	
Massa, Ronald J., visual data transmission-----	13643
Massachusetts: jurisdiction over lands, within Fort Devens Military Reservation, report-----	14111
landings, fish and shellfish by ports, annual summary, 1963-----	14264
weather stations, decadal census-----	15161
Matanuska formation, stratigraphic reconnaissance in Matanuska Valley, Alaska-----	14339
Matanuska River and Valley, stratigraphic reconnaissance of Matanuska formation, Alaska-----	14339
Material Inspection Service, administration manual-----	15014
Materials: aircraft, metallic materials and elements for flight vehicular structures, change-----	14162
atomic, engineering materials, list-----	13710
Communist China, translations-----	14656
composite, structural behavior-----	14784
hard, mining or in situ disintegration-----	15019
industries, East European, translations-----	14497, 14544, 14603
see also names of materials.	
Materiel, see Military supplies.	
Mathematics: East European scientific abstracts-----	14423, 14434, 14469, 14596
functions, Hankel, computation-----	14940
Rumanian school-----	14477
tables-----	
complex Fresnel integral-----	14797
supersonic flow around right circular cones at small angle of attack-----	14796
see also Logic (symbolic and mathematical).	
Matthews, Earle D., soil survey, Caroline County, Md.-----	15091
Mattresses (hydraulic engineering): articulated concrete, stainless and copper-clad steel wires, galvanic effect-----	14214
Mauritania, foreign trade regulations-----	14383
Maurus, Edward J., relief-----	13844
Mavroides, W. G., monopole phased-array feed for spherical reflectors-----	13632
Maxwell, Marvin S., efficient PCM error correction and synchronization code-----	14860
May, E. C., satellite determination of high-altitude water vapor-----	14783
Mead, Walter J., mergers and economic concentration in Douglas-fir lumber industry-----	14331
Meade, Robert M., removal of water and rearrangement of particles during compaction of clayey sediments, review-----	14346
Measles, general information-----	15048
Measurements, industrial productivity, data-----	14707
Measuring wool by staple length recorder-----	13590
Meat: imports, restrict-----	14135
hearings-----	14098
report-----	
retail sales of broilers and meat as affected by price, display area, and newspaper advertising-----	14171
see also Packing industry.	
Meat inspectors, standards of performance, processing and non-processing operations-----	13574
Meat packing plants, see Packing industry.	
Mechanism of autoregulation in intact kidney-----	13734
Mechanization, blue crab industry-----	14269
Medal of Honor: hospital, domiciliary, and medical care for recipients, hearing-----	14154
pensions to holders, based on non-combatant duty, report-----	14073
Medical care: fallout shelters, manual for health workers, etc., errata-----	13792
fishing boat owners, restore eligibility, report-----	13971
Medal of Honor recipients, for non-service connected disabilities, hearing-----	14154
Medical Department, Navy, manual-----	14727
Medical facilities, see Hospitals.	
Medical industry, prospects, tasks and cooperation, USSR studies-----	14511
Medical officers, examination announcement, amdt-----	13795
Medical Research Laboratory, see Naval Medical Research Laboratory.	
Medical service, see Medical care.	
Medicine: AEC research and development in progress-----	13711
aeromedical reviews-----	13646
aerospace-----	
dysbarism-----	13646
research studies bibliography-----	13732
East European scientific abstracts-----	14422, 14435, 14470, 14564
health frauds and medical quackery affecting the elderly, hearings-----	14122
School of Aerospace Medicine, technical documentary reports-----	13647-651

Entry	Entry
Medicine—Continued	Metabolism:
tranquillizing, analeptic and vasodilating drugs effect on physical work capacity and orthostatic tolerance -----	RNA in cells of human malignant tumor, radiation effect, USSR study -----
USSR—	USSR studies -----
herald of Academy of Medical Sciences (USSR periodical) -----	see also Plants.
scientific abstracts -----	Metal mines and mining, silicosis in metal mining industry, 1958-61, reevaluation -----
translations -----	Metallurgy:
Mediterranean Sea:	ferrous, USSR industrial development, translations -----
radio navigational aids, 1964, change -----	Mines Bureau, Albany Metallurgy Research Center, quarterly progress report -----
tide tables -----	nonferrous, USSR industrial development, translations -----
Medium-data-rate digital telemetry system -----	USSR, scientific abstracts -----
Medium resolution infrared-pulse code modulation telemetry, see Telemetry.	USSR, studies -----
Medland, Francis F., peer rating stability in changing groups -----	Metals:
Meet buyers for 400,000,000 new customers -----	exposed to vacuum and thermal outgassing, adhesion studies -----
Memorandums, see names of departments, etc., issuing memorandums.	metal fatigue and cyclic stress, USSR study -----
Memorial services, Green, William J., Jr -----	metallic materials and elements for flight vehicular structures, change -----
Mental health, project grants, NIMH program -----	scrap, temporary suspension of duties, continue, law -----
Mental illness, project grants, NIMH program -----	see also Strategic materials—also names of metals.
Mental institutions:	Metalworking machinery:
State and county patients, 1962 -----	current industrial reports -----
State hospitals, etc., directory -----	USSR industrial development, translations -----
Mentally ill, State and county hospitals, 1962 -----	Meteoritics -----
Mentally retarded:	Meteorology:
children, closed short-term group as treatment adjunct for parents -----	current Federal research and development activities -----
girls, experimental training programs -----	nuclear, selected articles, USSR observations above 30 kilometers, errata -----
implementation of mental retardation programs, report to the President -----	records documentations -----
President's Panel on Mental Retardation, task force report on behavioral and social research, program of Division of Chronic Diseases -----	Methodology, training, programmed instruction -----
progress in research, summary -----	Metropolitan areas, see Cities and towns.
State departments dealing with, directory -----	Mexico:
State laws and regulations, checklist -----	delivery of water to, special studies -----
Mercamine, radioprotective action on radiosensitivity of rats, effectiveness, USSR study -----	emergency international flood control works, lower Colorado River, conclusions of agreements -----
Merchandising, retail, bibliography -----	hearings -----
Merchant marine:	report -----
act of 1936, amend, report -----	statue of Abraham Lincoln, presentation by U.S. report -----
challenge constantly renewed (remarks) -----	trade, beef and veal, agreement -----
golden gate to tomorrow's American merchant marine (address) -----	winter vegetable production, survey -----
see also Shipping.	Mexico, Gulf of:
Merchant Marine and Fisheries Committee, House:	climate of Texas and adjacent Gulf waters -----
committee print -----	utilization of U.S. otter-trawl shrimp vessels, 1959-61 -----
hearing -----	Mexico-United States Interparliamentary Group:
reports -----	4th meeting—
Merchant vessels, see Ships.	House delegation, report -----
Mercury, continuous-circuit leaching, cost estimates and optimum conditions -----	Senate delegation, report -----
Mergers, see Business consolidations.	Michaells, Robert E., standard reference materials, white cast iron spectrochemical standards -----
Mesabi Range, lean iron ores, feasibility of Krupp-Renn process for treating, digest -----	Michelson stellar interferometers, infrared interference spectrometer, evaluation, test and calibration -----
Messengers:	Michigan, weather stations, decadal census -----
capitol pages, residence, report -----	Microbiology, USSR studies -----
Supreme Court pages, residence, report -----	Microelectronics, see Electronics.

# INDEX

Entry	Entry
Microscopes, attachment converts microscope to point source au- tocollimator-----	14829
Microsomes oxidase and reductase ac- tivity in liver of young male rats, influence of X-irradiation on development-----	13651
Microwaves, therapy, treatment of pa- tients, USSR study-----	14576
Middle East, <i>see</i> East (Middle East).	
Midstate project, <i>see</i> Missouri River Basin project.	
Midwest Emery Freight System, Inc., accident-----	14405
Migration, geographic mobility, cost-----	13663
Military aid: agreement with-----	
Argentina-----	15127
Dominican Republic-----	15125
foreign assistance act of 1964, hearings-----	14136
foreign assistance appropriations, 1965, reports-----	13950, 19352
Military art and science: field command procedures, mainte- nance management-----	13683
French military nuclear develop- ments, press reports-----	14581
USSR translations-----	14478, 14486
Military assistance, <i>see</i> Military aid.	
Military handbooks-----	14162-163
Military information, Eastern Eu- rope-----	14508
Military installations, <i>see</i> Installa- tions (military).	
Military missions, agreement with Liberia-----	15126
Military pay, <i>see</i> Pay, allowances, etc.	
Military personnel, <i>see</i> Armed Forces.	
Military service: universal military training and service act-----	
exemption of surviving son-----	
law-----	13908
report-----	14069
veterans' reemployment rights-----	15145
Military standard-----	14164
Military supplies: impact of military supply and serv- ice activities on economy, hear- ings-----	13916
lend to Girl Scouts of America for 1965 encampment, report-----	13945
maintenance management, field command procedures-----	13683
management report instructions, Federal property, NGB pamph- let-----	14944
procurement legal service, Army pamphlet-----	13679
Milk: bulk cooling tanks on farms supply- ing Federal milk order mar- kets-----	13559
containers, amend D.C. act regard- ing size, report-----	14106
Milk tanks, <i>see</i> Tanks.	
Milking shorthorn cattle, <i>see</i> Cattle.	
Milky way, transmission of informa- tion by extraterrestrial civili- zations, USSR study-----	14648
Miller, G. Kimball, Jr., abort scheme for lunar landings-----	14871
Miller, William C., bromine-----	14731
Mills, <i>see</i> Flour mills.	
Milwaukee, Wis., occupational wage survey-----	14698
Mine filling, <i>see</i> Hydraulic mine fill- ing.	
Mineral industries, <i>see</i> Minerals.	
Minerals: deposits, Thomas and Dugway Ranges, Juab and Tooele Coun- ties, Utah-----	14341
extraction, depletion allowance, ap- portionment between parties, to certain contracts for in- come tax deductions, report-----	13948
industries, census, 1963, reference manuals, announcement and order form-----	13746
leasing act of 1920, amend, hear- ing-----	14145
<i>see also</i> Strategic materials— <i>also</i> names of metals.	
Mines and mining: Communist China, translations-----	14412, 14537, 14643
in situ disintegration of hard ma- terial-----	15019
<i>see also</i> Blasting—Hydraulic mine filling.	
Mines Bureau: Albany Metallurgy Research Cen- ter, metallurgical progress re- port-----	13719
information circulars-----	14736-738
report of investigations-----	14744-764
Minimum wage, <i>see</i> Wages.	
Mining, <i>see</i> Mines and mining.	
Minnesota, weather stations, decadal census-----	15159
Minors, <i>see</i> Youth.	
Minyard, Jimmy D., cotton in Iran-----	14292
MIS, <i>see</i> Material Inspection Ser- vice.	
Miscellaneous publications, <i>see</i> names of departments, etc., issuing publications.	
Missiles, delta-wing windward pres- sures, control surface interac- tion effects at Mach number of 6.83-----	14867
Mississippi River Delta, cotton, fiber and spinning properties, as affected by certain harvest- ing and ginning practices, 1959-60-----	13587
Mississippi River Parkway, <i>see</i> Great River Road.	
Missouri River and Valley: snow survey measurement, 1919- 63-----	15090
surface waters of basin above Sioux City, Iowa, records, Oct. 1950-Sept. 1960-----	14353
Missouri River Basin project: Nebraska midstate unit, inclu- sion-----	
hearings-----	14007
report-----	14061
Mistletoe, dwarfmistletoe survey in western Montana-----	14317
Mobile dwellings, <i>see</i> Trailers.	
Mobility, <i>see</i> Geographic mobility.	
Mobley, Thomas C., union wages and hours, printing industry-----	14702
Model Reporting Area for Blindness Statistics, statistical report, 1962-----	14958
Modelling of automatic control sys- tems, USSR-----	14438
Modernization, <i>see</i> Renovizing.	
Mohawk Airlines, Inc., accident-----	13790
Mohler, Fred L., multiply charged ions survey-----	14942
Moisture, <i>see</i> Water vapor.	
Molds (botany): toxic effects on grain, USSR studies-----	14523
Molds (forms): investment casting, new technol- ogy, USSR study-----	14513



	Entry		Entry
Molecules:		Mortensen, Ernest, tropical and sub-	
bounce-back, test device for pre-		tropical horticulture hand-	
venting	14812	book	14398
diatomic, electronic states	14890	Mortgage insurance:	
quantum mechanical study	14890	companies, Federal Home Loan	
Mollusks, recent mollusca of A. A.		Bank Board inquiry, state-	
Gould, illustrations of types		ment	14238
described, etc.	14962	home mortgage transactions, FHA	
Molybdenum:		data	
disposal from national stockpile—		selected housing areas	14241
hearing	13994	States	14242
reports	13935, 14094	homes, FHA regulations, amend-	
Mondry, Leo M., relief	14047	ments	14243
Mones, Gerda S., retail sales, 1963	13767	project, FHA regulations, amend-	
Money:		ments	14244-245
monetary and fiscal policy, growth		Morton, James G., address, June 22,	
and expansion (remarks)	13829	1964	13821
prevalent policy and its conse-		Motes (in cotton):	
quences, analysis	13997	reclaiming and marketing cotton	
shoppin, publications, list	15038	gin motes	14169
supply series, revision	14257	Motion pictures:	
Mongolia:		copyrighted, July-Dec. 1963	14158
magma deposits, geographical dis-		Navy fleet motion picture service	
tribution	14528	manual	15000
People's Revolutionary Party, his-		Motor carriers, property, road check	
tory	14565	results	14407
Monocacy Battle Centennial Day:		see also Motor vehicle accidents.	
designate		Motor fuel, see Gasoline.	
law	13905	Motor vehicle accidents, investigation	
report	14086	reports	14404-405
Monographs, see names of depart-		Motor vehicles:	
ments, etc., issuing mono-		liability insurance, Army regula-	
graphs		tions	13670
Monopole phased-array feed for		USSR industrial development,	
spherical reflectors	13632	translations	14493
Monopolies:		see also Motor carriers.	
antitrust laws—		Motortruck drivers and helpers,	
investigation, professional box-		union wages and hours	14701
ing, hearings	14150	Motortrucks:	
price discrimination legislation,		light-truck highway train, research	
hearings	14149	on construction and testing	15136
Monostable circuit with tunnel diode		receiving facilities, selecting best	
has fast recovery	14816	capacity for country grain elev-	
Monrovia, Liberia, port, transfer of		ators	13592
title, agreement with Liberia	15119	Moulds, Donald E., bismuth	14730
Montana, western, dwarfmistletoe		Mount McKinley National Park, gen-	
survey	14317	eral information	14973
Months, see Senior Citizens Month.		MRIR-PCM (medium resolution infra-	
Moon:		red-pulse code modulation teler-	
lunar landings from synchronous		metry, see Telemetry.	
orbit, thrust-vector orientation		Muckler, F. A.:	
technique during manual control	14853	control system lags and man-	
lunar missions, abort scheme for		machine system performance	14791
landings	14871	use of man in booster guidance and	
lunar surface studies, bibliography	14798	control	14789
secular perturbations, Helphen's		Multiple sclerosis, progress in re-	
method applicable to long		search, summary	14954
range effects in motions of		Muncie, Ind., accident	14405
celestial bodies	14902	Munitions, armament kit, equipment	
soft lunar landing of spacecraft,		for helicopter, flight evalua-	
touchdown dynamics analy-		tion	13621
sis, errata	14842	Murphy, Charles S., address, May 18,	
surfaces, physical state and nature,		1964	13577
lunar radio emission	14911	Musen, Peter, modification of Hill's	
Moore, A. D., DDT and DDE resid-		method of general planetary	
ues in soil at Beltsville, Md.,		perturbations	14897
aerial test circle	14329	Music:	
Morey, George W., phase-equilibrium		African annotated bibliography	14715
relations of common rock-form-		Library of Congress catalog	14718
ing oxides except water, data		Muskmelons, cantaloup insects, how	
of geochemistry	14343	to control	13585
Morphology:		Muskogee, Okla., redevelopment area,	
changes in human morphological		opportunities for economic im-	
arterioplasty with lavsan pros-		provement	13658
thesis, USSR study	14612	Mutton:	
lead dioxide in positive plates of		imports, restrict—	
lead acid cells	15007	hearings	14135
Morse, R. M., oceanographic obser-		report	14098
vations, North Atlantic Ocean		Mystic Shrine, see Ancient Arabic	
station Echo, 35° N, 48° W	13814	Order of Nobles of Mystic	
Morse, Robert W., nomination, hear-		Shrine.	
ing	14127		
Mortality, see Death.			

# INDEX

N	Entry	Entry
N.A.S.A., <i>see</i> National Aeronautics and Space Administration.		National Commission on Food Marketing: establish—
N.B.S., <i>see</i> National Bureau of Standards.		hearings ----- 13987
N.R.A.B., <i>see</i> National Railroad Adjustment Board.		law ----- 13902
N.R.L., <i>see</i> Naval Research Laboratory.		National Commission on Technology, Automation, and Economic Progress:
Nagy, James A., flight vibration data of Aerobee 150A sounding rocket ----- 14858		establish—
NASA, <i>see</i> National Aeronautics and Space Administration.		hearings ----- 13999
NASA EP series ----- 14793		report ----- 13985
NASA SP series ----- 14795-799		National Council of the arts, establish, hearings ----- 13998
NASA tech briefs ----- 14800-832		National defense:
Natchez Trace Parkway, general information ----- 14974		agreement with—
National Advisory Council of Nurse Training, establish, report ----- 13980		Argentina ----- 15127
National Aeronautics and Space Administration:		Dominican Republic ----- 15125
appropriations, 1965, report ----- 13961		continental radar defense system, agreement with Canada ----- 15123
contractor report CR (series) ----- 14767-792		education act of 1958—
EP series ----- 14793		counseling and guidance training institutes program, policies and procedures manual ----- 14191
procurement, semiannual report, July 1-Dec. 31, 1963 ----- 14927		student loan program, increase authorization, etc., hearings ----- 14151
quality assurance provisions for Government agencies ----- 14794		employment impact of changing defense programs ----- 14710
quality publication NPC 200 (series) ----- 14794		National economy, <i>see</i> Economic conditions.
report, semiannual ----- 14928		National electric rate book ----- 14246-251
departmental edition ----- 13926		National Federation of Post Office Motor Vehicle Employees, AFL-CIO, agreement with Post Office Department ----- 15205
document edition ----- 13926		National forests:
SP series ----- 14795-799		administration, Intermountain region ----- 14297
tech briefs ----- 14800-832		grant easements, construct and maintain roads and trails, report ----- 14103
technical memorandum ----- 14834		laws relating to establishment, and administration ----- 13579
technical notes ----- 14835-899		log sealing handbook ----- 14302
technical reports ----- 14900-905		range survey story and planning for management ----- 13596
technical translations ----- 14906-926		<i>see also</i> names of forests.
technology utilization publications, list ----- 14929		National Guard:
National Agricultural Library, library list (series) ----- 14930		Army, register, 1964 ----- 14945
National altitude rocket test facilities ----- 14833		enlisted members, cancellation of indebtedness, authorize, report ----- 13941
National Arboretum, general information ----- 13595		Federal property, supply management report instructions ----- 14944
National Arts Foundation, establish, hearings ----- 13998		National Guard Bureau:
National Association of Letter Carriers, AFL-CIO, agreement with Post Office Department ----- 15025		pamphlet ----- 14943-944
National Association of Post Office and General Services, Maintenance Employees, agreement with Post Office Department ----- 15025		publications, index ----- 14943
National Association of Special Delivery Messengers, AFL-CIO, agreement with Post Office Department ----- 15025		National health survey, vital and health statistics ----- 15071
National banks, loans on forest tracts, liberalize restrictions, law ----- 13890		National housing act, <i>see</i> Housing.
National Boxing Commissioner, establish, hearings ----- 14150		National Institute of Mental Health, mental health project grants program ----- 15167
National Bureau of Standards:		National Institutes of Health, research profile ----- 14952-956
handbooks ----- 14932-933		National Labor Relations Board:
miscellaneous publications ----- 14934-935		decisions, digest ----- 14959
monographs ----- 14936-938		hospitable reception for arbitration at Labor Board (address) ----- 14960
standard reference materials preparation, white cast iron spectrochemical standards ----- 14935		National monuments and memorials, <i>see</i> names of monuments or memorials.
technical notes ----- 14939-942		National Museum, bulletins ----- 14961-962
National Capital Planning Commission:		National Oceanographic Data Center: announcement ----- 14990
appropriations, 1965—		fully processed oceanographic cruises, list ----- 14991
law ----- 13904		National parks, <i>see</i> names of parks.
report ----- 13951		National Railroad Adjustment Board, awards ----- 14982-986
National Capital Transportation Agency:		National Rural Letter Carriers Association, agreement with Post Office Department ----- 15025
appropriations, 1965—		National security, administration, role of American Ambassador, study ----- 14138
law ----- 13904		
report ----- 13951		

Entry	Entry
National service life insurance, <i>see</i> Life insurance.	
National survey of historic sites and buildings-----	14975
National Teachers' Day, designate 2d Monday in April, report-----	14083
National Wilderness Preservation System, establish, report-----	13970
Natural gas, <i>see</i> Gas.	
Natural resources, West Virginia----	14365
Natural science, <i>see</i> Science.	
Naturalization, becoming a citizen series-----	14360
<i>see also</i> Citizenship.	
Naval Air Station, Pensacola, golden anniversary, galvano in commemoration, law-----	13868
Naval education, Navy training courses-----	14997-999
Naval history, Civil War naval chronology, pt. 4, 1864-----	14996
Naval hospitals, Portsmouth, Va., lands, police surveillance, report-----	14116
Naval installations, <i>see</i> Installations (military).	
Naval Medical Research Laboratory, research summaries reported on during 1963-----	14728
Naval Oceanographic Office, publication series-----	14992-995
Naval petroleum reserves, no. 4, Umiat field, Alaska, sell crude oil for drilling, mechanical and heating operations in nearby areas, report-----	13933
Naval Research Laboratory, report series-----	15007
Naval Training Device Center, Port Washington, technical report-----	15002-6
Naval vessels, <i>see</i> Submarine boats.	
Naval Weapons Bureau, NAVWEPS report-----	15008
Navigation, <i>see</i> Air navigation.	
NAVTRADEVCEEN, <i>see</i> Navy Training Device Center, Port Washington.	
NAVWEPS report-----	15008
Navy:	
fleet motion picture service manual-----	15000
new 4-ocean challenge-----	15015
officers, promotions, improved opportunity, extend report-----	14118
Navy Department, Assistant Secretary, nomination of Robert W. Morse, hearing-----	14127
Navy training courses, <i>see</i> Naval education.	
NBS, <i>see</i> National Bureau of Standards.	
Neal, Luther, jr., control-surface interaction effects on delta-wing windward pressures-----	14867
Near East, <i>see</i> East (Near East).	
Nebraska, weather stations, decadal census-----	15160
Nebraska mid-State unit, <i>see</i> Missouri River Basin project.	
Nectarines:	
production, use, value, by States, 1962-63-----	15129
reduction of postharvest decay with heat treatments-----	13586
Neel, E. A., high density graphite recrystallized by hot forming-----	13652
Neon, solubility determination in water and extracted human fat-----	13650
Neoplasms, <i>see</i> Tumors.	
Nephilines, rocks containing, piezoelectric effect, USSR study-----	14467
Nephritis, <i>see</i> Glomerulonephritis.	
Nerves, exterminal, influence of gravitational overloads of arterial system, USSR study-----	14616
Nervous system, neurological and sensory disease service program, PKS-----	15060
Nests, structures for wood ducks, improved designs-----	14284
Netherlands, market factors-----	14388
Neuberger, Maurine B., testimony, hearings-----	14156
Neuman, Robert B., fossils in Ordovician tuffs, northeastern Maine-----	14338
Neurological diseases, <i>see</i> Nervous system.	
Neuromuscular disorders, progress in research, summary-----	14955
Neurosurgery, <i>see</i> Surgery.	
Neutrinos, supernovas, and neutron stars, final evolution-----	14845
Neutrons:	
stars, supernovae, and neutrinos, final evolution-----	14845
thermalization, integral, annual summary report, Oct. 1, 1962-Sept. 30, 1963-----	13692
Nevada Test Site, story-----	13722
Nevis, plant import requirements-----	13573
New England, weather stations, decadal census-----	15161
New 4-ocean challenge-----	15015
New Hampshire, weather stations, decadal census-----	15161
New Jersey, compact concerning Delaware River Port Authority, consent of Congress, law-----	13870
New Mexico, coal, hydrogenation at short residence and high temperature-----	14752
New Orleans, La., Plaza Tower building, foundation laying ceremony, address-----	13818
New York Airways, Inc., accident-----	13786
New York World's Fair, United States pavilion, Government publications display, list-----	15039
Newman, Allen L., soil survey report, Cochran County, Tex-----	15092
Newspapers, <i>see</i> Press.	
Newton, Franklin E., fiber and spinning properties of cotton as affected by certain harvesting and ginning practices, Yazoo-Mississippi Delta, 1959-60-----	13587
Nicaragua, foreign trade regulations-----	14384
Nicholls, Harry P., validity of scaling laws for explosion-generated motion-----	14754
Nicholson, David E., hydraulic backfills and vibratory compaction tests-----	14759
Nickel, M 252 alloy, effect of heat treatment on mechanical properties, USSR studies-----	14419
Nicolaus, John J., automated approach to technical information retrieval, library applications-----	15078
Niger, foreign trade regulations-----	14383
Nigeria, economy, basic data-----	14373
NIMH, <i>see</i> National Institute of Mental Health.	
Niobrara formation, stratigraphy-----	14344
Nitrogen, vibrational-nonequilibrium flow in hypersonic nozzles, errata-----	14837
Nobles of Mystic Shrine, <i>see</i> Ancient Arabic Order of Nobles of Mystic Shrine.	
NODC, <i>see</i> National Oceanographic Data Center.	



# INDEX

Entry	Entry
Noise, non-linear, analysis in FDM telephony transmission over SSB-PM satellite communication system-----	14892
Nominations, <i>see</i> names of persons.	
Nonlinear adaptive control systems with storage-----	14777
Nonlinear interaction of electromagnetic wave with time-dependent plasma medium-----	13638
North American Van Lines, Inc., accident-----	14405
North Atlantic slope basins, <i>see</i> Atlantic States.	
North Atlantic Treaty Organization, status of forces agreement, criminal jurisdictional operation, report-----	14100
North Carolina: electric rate book-----	14249
women, legal status-----	15174
North Dakota, women, labor laws, summary-----	15176
North Sea, lights and fog signals, list-----	14992
North Vietnam, <i>see</i> Vietnam.	
Northeastern Forest Experiment Station, annual report, 1963-----	14295
Northern Rhodesia, tobacco production and marketing-----	14291
Norton, R. B., Martian and Cytherian ionospheres-----	14868
Norway, economy, basic data-----	14387
Notices of judgement, insecticide, fungicide and rodenticide act-----	13572
Novak, Arthur F., radiation pasteurization of shrimp-----	13706
Nozzles: hypersonic, vibrational-nonequilibrium flow of nitrogen, errata-----	14837
supersonic aerodynamics handbook-----	15008
NRAB, <i>see</i> National Railroad Adjustment Board.	
NRL, <i>see</i> Naval Research Laboratory.	
NSLI, <i>see</i> Life Insurance.	
Nuclear energy, <i>see</i> Atomic energy.	
Nuclear engineering, materials list-----	13710
Nuclear explosions, use to increase petroleum recovery, feasibility study-----	14764
Nuclear powered ships: merchant shipping and nuclear power-----	13724
U.S.S. Thresher, in memoriam, Apr. 10, 1963-----	15016
Nuclear processes in chromospheric flares-----	14921
Nuclear reactor power plants, BONUS boiling nuclear superheater, final summary design report-----	13707
Nuclear science: conference literature-----	
availability-----	13717
index-----	13709
popular books, list-----	13725
Nuclear warfare, <i>see</i> Atomic warfare—Weapons.	
Nuclear weapons, <i>see</i> Weapons.	
Nuernberger, George F., remarks, June 23, 1964-----	14680
Numbers, probability theory, new method, USSR study-----	14440
Numerical calculations, farmers' handbook of financial calculations and physical measurements, errata-----	13579
Nurseries (horticulture): nursery products, production and sales, 1962 and 1963-----	15130
Nursery stock, <i>see</i> Nurseries (horticulture).	
Nurses and nursing: nurses' professional registries, tax-exempt status, report-----	13962
nursing at Clinical Center, NIH-----	14940
patient care in hospital, method of studying-----	15061
training act of 1964, report-----	13980
Nyasaland, <i>see</i> Malawi.	
Nystagmus, vestibular, human, control of arousal and effects of repeated unidirectional angular acceleration on responses, task-----	13731
O	
O.A.S.D.I., <i>see</i> Old-age, survivors, and disability insurance.	
O.A.S.I. series-----	15083-85
Oak: Arizona Gambel oak, specific gravity-----	14325
woods, identification-----	14312
Oak Ridge National Laboratory: master analytical manual-----	
indexes-----	13712
supplement-----	13713
Oak wilt, general information-----	14298
OASDI, <i>see</i> Old age, survivors, and disability insurance.	
OASI series-----	15083-85
Oats, composition of commercial grades-----	13570
Obermayer, R. W., performance measurement in flight simulation studies-----	14790
Obolensky, Serge, Amharic, basic course, units 1-50-----	15094
OBR series-----	14372-390
Obscene matter, sent through mail, protect postal patrons, report-----	13938
Occupational earnings in major labor markets, 1963-64-----	14711
Occupational health, <i>see</i> Health.	
Occupational therapy, comprehensive restorative therapy and training of personnel in neurosurgical care system, USSR articles-----	14634
Occupational wage survey, <i>see</i> Wages.	
Occupations: career opportunities-----	
engineers and physicists, weather systems-----	15150
nursing at Clinical Center, NIH-----	14949
psychiatry, Public Health Service-----	14947
trades and crafts in Federal agencies-----	13805
job horizons for college women in 1960's-----	15175
State safety and health legislation, summary-----	14674
Ocean, new 4-ocean challenge, role of Navy and Marine Corps Team-----	15015
<i>see also</i> Sea water.	
Ocean stations, <i>see</i> Weather stations.	
Oceania, market indicator for Oceania-----	14372
Oceanography: North Atlantic Ocean station Delta, 44° N, 41° W, observations-----	13815
North Atlantic Ocean station Echo, 35° N, 48° W, observations-----	13814
oceanographic cruises, NODC fully processed, list-----	14991
oceanographic reports-----	13814-815
research, equipment and techniques, USSR studies-----	14409
Octal codes, <i>see</i> Electronic computers.	
OEDP, <i>see</i> Redevelopment (city planning, etc.).	
Off the job safety as element of total safety (remarks)-----	14681

# August 1964

Entry	Entry
Officers, <i>see</i> names of services to which officers belong.	Overlays for lumber, old product in new dress..... 14311
Ohio : farm vacation enterprises..... 14168	Overseas business reports..... 14372-390
Pymatuning Lake compact, amend rel. to specifications and speed of motorboats, consent of Congress, report..... 14081	Overseas service, learning to live overseas, Army pamphlet..... 13676
Ohio County, W. Va., coal, preparation characteristics..... 14746	Oxides, rock-forming, except water, phase-equilibrium relations.... 14343
Ohio River Division Laboratories, technical reports..... 14207-208	Oxygen : atomic, photoionization..... 14779
Oil, <i>see</i> Petroleum.	chemiluminescence from atomic oxygen-nitric oxide reaction under upper atmospheric conditions..... 14780
Oil fields, <i>see</i> Petroleum.	effect on flammability of lip, face and hair preparations..... 13729
Oil shale, technology, review..... 14737	spontaneous chain ignition with hydrogen in shock waves, USSR study..... 14444
Oils, Federal supply catalog, management data list, change..... 14161	Ozone : absorption of atmospheric thermal radiation in 9.6 u band region..... 14915
Oklahoma, weather stations, decadal census..... 15162	meridional distribution and total amount in atmosphere, effects of non-photochemical processes..... 14844
Old age, <i>see</i> Aged.	
Old age and survivors insurance, OASI series..... 15083-85	
Old age assistance, money payments to recipients, Oct. 1963..... 14215	
Old-age, survivors, and disability insurance : benefits by income class..... 15086	
financing your social security benefits..... 15084	
Maine and Texas retirement systems, coverage, law..... 13898	
Older American veteran..... 15143	
One-trial learning and quantum psychophysics, synthesis..... 15006	
Opinions, <i>see</i> names of courts, etc., rendering opinions.	
Optics, atmospheric, selected articles, USSR..... 14909	
Optimal process, control problem, USSR study..... 14362	
Orbits : elliptic, central force laws..... 13636	
satellites, long range effects caused by moon and sun..... 14902	
Ordovician period, fossils in Ordovician tuffs, northeastern Maine..... 14338	
Oregon State University, mass spectrometers, duty-free entry, report..... 14049	
Ores, <i>see</i> names of metals or minerals.	
Organic chemistry, Research Institute of Hungarian Organic Chemical Industry, activities..... 14514	
Orifices, elastic, automatically regulates gas hearings..... 14800	
Oroville, Calif., land conveyance, report..... 14114	
Orr, Robert L., occupational wage survey, Phoenix, Ariz..... 14696	
Oroton, Robert B., climate of Texas and adjacent Gulf waters..... 15151	
Osburn, Hobart G., validation of carefulness test battery against training school criteria..... 13633	
Oscillations (electric) : excitation of electrostatic oscillations in magnetic field..... 13698	
Otter trawls, <i>see</i> Trawls and trawling.	
Our United States..... 14360	
Outer space : aerospace information handbook... first manned group flight, Aug. 11-12, 1962, USSR..... 14613	
Goddard Space Flight Center, contributions to COSPAR meeting, June 1963..... 14854	
Investigation, USSR bibliography..... 14926	
physiology, neon solubility determination in water and extracted human fat..... 13650	
Outpatient services, <i>see</i> Clinics.	
Overbeck, John G., relief..... 13841	
Overbeck, Mary G., relief..... 13841	
	P
	P.R.L., <i>see</i> Personnel Research Laboratory.
	PA series..... 13595-596
	Pacific Ocean : central and western, tide tables, 1965..... 13812
	radio navigational aids, 1964, change..... 14994
	Pacific Southwest Forest and Range Experiment Station, report, 1963..... 14296
	Pacific States, Pacific slope basins in Washington and upper Columbia River basin, surface waters, Oct. 1950-Sept. 1960, records..... 14354
	Packaging : prepackaging lettuce at shipping point..... 13591
	requirements code, military standard..... 14164
	Packing industry, meatpacking and processing industries, employer expenditures for supplementary compensation practices, 1962..... 14706
	Pages, <i>see</i> Messengers.
	PAI series..... 14216
	Pamphlets, <i>see</i> names of departments, etc., issuing pamphlets.
	Panama, evacuation of dependents of Armed Forces from Panama and Cyprus, payment of expenses, authorize, report..... 13937
	Panama Canal, U.S.S. <i>Alabama</i> , permit passage without toll charges, report..... 13977
	Panels (aircraft) : flutter research..... 14788
	Papa, Robert J., nonlinear interaction of electromagnetic wave with time-dependent plasma medium..... 13638
	Paper, air pollution and kraft pulping industry..... 15047
	Paperwork (office practice) : Federal jungle, hearing..... 14014
	Parachutists, free-fall trajectories..... 13617
	Parameters : hypersonic flow fields about blunt-nosed cylinders..... 14875
	hypersonic shock-heated flow, as function of flight velocity and altitude..... 14900
	line, and computed spectra for water vapor bands at 2.7 $\mu$ ..... 14937

# INDEX

	Entry		Entry
Parawings, <i>see</i> Wings (aircraft).		Peaches:	
Parcher, Frank M., what is your job in war disaster-----	14219	production, use, value, by States, 1962-63-----	15129
Parents:		reduction of postharvest decay with heat treatments-----	13586
of children with phenylketonuria, group guidance-----	13780	Peak, George W., Federal-State-private cooperative summary of snow survey measurements for Wyoming, headwaters of Missouri River, etc-----	15090
with mentally retarded children, use of closed short-term group as treatment adjunct-----	13776	Pearcy, G. Etzel, Middle East, indefinable region-----	15102
Parkinsonism, progress in research, summary-----	14956	Pearl Harbor Day:	
Parkinson's disease, progress in research, summary-----	14956	proclaim Dec. 7, 1966, in commemoration of 25th anniversary of attack-----	
Parliamentary conferences, <i>see</i> Mexico-United States Interparliamentary Group.		law-----	13914
Parolees, under supervision of Federal probation system, 1963, report-----	13556	report-----	14085
Particle board, <i>see</i> Pulpboard.		Pears, production, use, value, by States, 1962-63-----	15129
Particles, pigment size separation-----	14787	Pearson, Richard G., human factors, aspects of lightplane safety-----	13737
Passenger vessels, <i>see</i> Ships.		Pedagogy, <i>see</i> Education.	
Passports:		Peer rating, <i>see</i> Ratings.	
Information and travel tips, do's and don'ts-----	15095	Penalties:	
United States, visa charges of foreign countries, list-----	15097	bribery in sporting contests, law-----	13866
Paste (Italian), <i>see</i> Macaroni.		criminal, false statements in connection with highway construction program, hearings-----	14010
Pasteurization, shrimp, radiation treatment-----	13706	Penitentiaries, Leavenworth, State highways bordering, retrocede to Kansas, report-----	14110
Patent Office:		Pennsylvania:	
classification bulletin-----	15018-19	bituminous strip mine spoils, 2d year results of hybrid poplar test plantings-----	14321
fees by applicants for patents, etc., increase, hearings-----	14147	compact concerning Delaware River Port Authority, consent of Congress, law-----	13870
Patents:		electric rate book-----	14250
fees paid by applicants to Patent Office, increase, hearings-----	14147	Pymatuning Lake compact, amend rel. to specifications and speed of motorboats, consent of Congress, report-----	14081
Government policies, latest development (remarks)-----	13831	Pennsylvania R. R., accident-----	14406
Hungarian National Patent Office, applications to-----	14515	Pensions:	
patent abstract series-----	15135	medal of honor holders, based on noncombatant duty, report-----	14073
Pathology, structure, properties and pathological changes of elastic structures, current data, USSR study-----	14593	miscellaneous bills on non-service connected benefits for veterans of all wars, hearings-----	14019
Patients:		plans for salaried employees, spring 1963-----	14704
hospital care, methods of studying-----	15061	Public Health Service commissioned officers, credit military services in computing Reserve retired pay, hearing-----	13995
in mental institutions, 1962-----	14950	Pepper, Leonard, stainless and copper-clad steel wires as reinforcement for articulated concrete mattresses-----	14214
microwave treatment, USSR study-----	14576	Perception:	
Pavements, design for frost conditions, engineering manual change-----	14204	depth, size cues and adjacency principle-----	13730
Pavillions, United States, New York World's Fair, Government publications display, list-----	15039	spatial perception and spatial concepts, problems-----	14910
Pay, allowances, etc.:		visual, James J. Gibson theory, analysis of selected papers-----	15002
Army and Air Force officers erroneously paid for uniform allowances, relief, report-----	13934	Perchloric acid, stainless steel fume hood for safety in use-----	14755
increase basic pay of uniformed services, report-----	14119	Pereyra, Walter T., scope ratio-depth relationships for beam, shrimp and other trawls-----	14268
per diem, equalize treatment of Reserves and Regulars in payment, report-----	13939	Perfluorocyclobutane, thermodynamic properties of real gas-----	14757
uniform allowances, combining service in more than one reserve component in computing, report-----	13942	Performance measurement in flight simulation studies-----	14790
Payne, Elmer J., relief-----	13857	Performance tests, <i>see</i> Airplanes.	
Payne, Richard R., relief-----	13857	Periodicals, agriculture bibliography, serial publications indexed in-----	14930
PCM, <i>see</i> Radio pulse code modulation.		Perlman, I. Richard, antisocial behavior of minor in United States-----	13783
Peace:			
food for peace, activities under Public Law 480-----	13923		
prescription for Laos and Vietnam-----	13667		
Peace Corps, foreign assistance appropriations, 1965, reports-----	13950, 13952		



Entry	Entry
Perrella, Vera C., employment of high school graduates and dropouts in 1963-----	14709
Persimmons, production, use, value, by States, 1962-63-----	15129
Personl property, brought into U.S. under Govt. orders, exemption from duty, extend, law-----	13873
Personnel Research Laboratory, technical documentary reports-----	13633-635
Persons under supervision of Federal probation system, fiscal year 1963-----	13556
Perspiration, measurement of physiologic evaporative water loss-----	13727
Perturbations: planetary, modification of Hill's method-----	14897
secular, Helphen's method applicable to long range effects in motions of celestial bodies-----	14902
Pesticides, laws and regulations, administration, hearing-----	13986
Pests, forest pest leaflets-----	14298-300
Peterson, Donald C., evaluation of UH-1D equipped with XM-62 armament kit-----	13620
Petkof, Benjamin, diatomite-----	14734
Petrography, see Rocks.	
Petroleum: hydraulic fracture treatment in glade and Clarendon oil reservoirs, Warren County, Pa-----	14753
oilfield waters, method of analyzing selenium and tellurium-----	14756
oilfields, Cow Run sand and Burning Springs pool, Wirt County, W. Va., secondary oil recovery possibilities-----	14745
products, survey (series)-----	14741
recovery, increase by using nuclear explosions, feasibility study-----	14764
see also Naval petroleum reserves.	
Petroleum products, see Petroleum.	
Petroleum refineries, including cracking and reforming plants in U.S., Jan. 1, 1964-----	14742
Petrology, see Rocks.	
Pharmaceuticals, see Drugs.	
Pharmacists, employment outlook-----	14692
Phase rule and equilibrium, rock-forming oxides except water, melting points and phase-equilibrium relations-----	14343
Phase stability, high-frequency, using computer to determine-----	14813
Phenylketonuria, group guidance for parents of child patients-----	13780
Phifer, Bryan, working with low-income rural families for extension agents and specialists-----	14237
Philippines: agricultural commodities, agreement-----	15116
Industrial Development Mission to promote machinery exports-----	14391
Phillips, W. Pelham, parawings as auxiliary lifting devices for supersonic airplane configuration-----	14879
Philosophy, philosophical problems in sociology and natural science, USSR study-----	14563
Phoenix, Ariz., occupational wage survey-----	14696
Phonorecords, Library of Congress catalog-----	14718
Phosphates: mining leases, increase acreage limitation for single individuals or corporation, hearing-----	14145
petrographic study and classification of western phosphate ores-----	14750
Photoelasticity, coatings, determination of stresses and deformations in flexible plates and shells-----	14925
Photoelectric cells, gallium arsenide photovoltaic device, new method used to fabricate-----	14819
Photographic apparatus and supplies, see subjects.	
Photography, see Aerial photography—Color photography.	
Photolionization, see Ionization.	
Photometry, absolute, of night sky, zenith intensity of Haleakala, latitude N 20.7° and at Fritz Peak, latitude N 39.9°-----	14939
Photovoltaic cells, see Photoelectric cells.	
PHS, see Public Health Service.	
Physical education and training, health-resort therapeutic physical culture, USSR studies-----	14462
Physical measurements, and financial calculations and physical measurements, handbook, errata-----	13579
Physical sciences, see Science.	
Physical therapy, health-resort physiotherapy, USSR studies-----	14462
Physicists, career opportunities, building tomorrow's weather systems-----	15150
Physics: East European scientific abstracts-----	14423, 14434, 14469, 14596
planetary-----	14779-781
Physiology: aerospace field, neon solubility determination in water and extracted human fat-----	13650
clinical, circulation, outline-----	14912
evaporative water loss, measurement-----	13727
Physiotherapy, see Physical therapy.	
Picard, Adrien D., occupational wage survey, Charleston, W. Va-----	14699
Picaza, Jorge A., relief-----	14034
Pickel, W. H., relief-----	13856
Piezoelectricity, effect of nepheline-containing rocks, USSR study-----	14467
Pig tin, see Tin.	
Pigment particle size separation-----	14787
Pilots and pilotage, see Aviators.	
Pine: lodgepole, regeneration slash disposal and cone opening, study-----	14319
longleaf-slash forest lands, forage and cattle management-----	13583
ponderosa and sugar, grading saw logs in trees, improved system, guide-----	14306
ponderosa, transplants, root development-----	14326
shortleaf, burning does not control young hardwoods in Cumberland Plateau-----	14308
white, evaluating and scheduling weevil control in northeast-----	14330
Pipe, Peter, introduction to dental public health, self-instruction course-----	15057
Pitch (motion): controllable pitch propellers and ship design, USSR study-----	14488
space environment, variation due to fuel sloshing in rectangular tank-----	14869
PKU, see Phenylketonuria.	
Placement, see Child placing.	
Planetary physics-----	14779-781

# INDEX

Entry	Entry
Planets:	Pollution of air, <i>see</i> Air pollution.
perturbations, modification of Hill's	Pollution of streams, <i>see</i> Water pollution.
method -----	14897
probes, theory of tumbling bodies	Polyethylene, measurements of effective
entering atmospheres -----	heats of ablation at convective
14905	heating rates from 25
Plants:	to 420 Btu/ft <sup>2</sup> sec, errata -----
green, energy metabolism, USSR	14835
study -----	Polygraphs, use as lie detectors by
14420	Federal Government, hearings -----
nursery products, production and	14003
sales, 1962 and 1963 -----	Polymers and polymerization:
15130	Japanese Association for Radiation
quarantine import requirements,	Research on Polymers -----
St. Kitts and Nevis -----	report 1960 -----
13573	report 1961 -----
Plants (Industrial):	13689
safety design considerations for	13690
layout of facilities placement	Polytetrafluoroethylene, Teflon meas-
of equipment, and production	urements of effective heats of
processes (remarks) -----	ablation at convective heating
14682	rates from 25 to 420 Btu/ft <sup>2</sup>
under USDA inspection, processed	sec, errata -----
fruits, vegetables, etc., list -----	14835
13558	Pomegranates, production, use, value,
Plasma:	by States, 1962-63 -----
excitation of electrostatic oscilla-	15129
tions in magnetic field -----	Ponderosa pine, <i>see</i> Pine.
13698	Poplar, hybrid, 2d year results of test
isotropic inhomogeneous slab,	plantings on bituminous strip
plane electromagnetic waves	mine spoils in Pennsylvania -----
passing through at arbitrary	14321
angles of incidence, generalized	Population:
treatment -----	census, 1960 -----
14901	final reports -----
kinetics including radiation in ex-	13773-774
ternal magnetic field, solution	veterans, selected social and eco-
of equations -----	nomic data for former mem-
13699	bers of Armed Forces -----
non-equilibrium, spectral density of	13774
radiation scattered, calculation	current population reports -----
valid for all wave num-	population characteristics, se-
bers -----	ries -----
13697	population estimates, series -----
time-dependent medium for non-	13763-764
linear interaction of electro-	special censuses series -----
magnetic wave -----	13765-766
13638	United States, estimates -----
Plasma (blood), <i>see</i> Blood.	Jan. 1, 1950-June 1, 1964 -----
Plastics:	13764
fibrous reinforcement for portland	projections by age and sex,
cement -----	1964-85 -----
14201	13763
foamed, cryogenic waveguide win-	Port Isabel, Tex., dust control meas-
dow sealed with -----	ures at Long Island, study,
14817	authorize, law -----
materials, trade of United States,	13876
Western Europe, Canada and	Portland Area Conference on Indus-
Japan, 1961-62 -----	trial Modernization, proceed-
14392	ings, Mar. 26, 1964 -----
mechanical properties, predeter-	13743
mining by empirical method -----	Portland cement, <i>see</i> Cement.
14823	Ports, <i>see</i> names of ports, or places
reinforced, for flight vehicles, mili-	where located.
tary handbook -----	Portsmouth, Va., naval hospital
14163	lands, police surveillance, re-
Plates, flexible, determination of	port -----
stresses and deformations by	14116
photoelastic coatings applica-	Post, E. J., radiation forces in in-
tion -----	homogeneous media -----
14925	13641
Pleistocene period, <i>see</i> Glacial period.	Post Office and Civil Service Commit-
Plumbage, <i>see</i> Graphite.	tee, House:
Plums, production, use, value, by	hearings -----
States, 1962-63 -----	14013-14
15129	report -----
Po-I-Po distorts facts, USSR article.	13938
14518	Post Office and Civil Service Commit-
Poland:	tee, Senate, report -----
higher education, admission rules,	14071
student activities, and curricu-	Post Office Department:
lums -----	agreement with American Federa-
14187	tion of Labor and Congress of
provincial press, summaries -----	Industrial Organizations -----
14428,	agreements with employee organi-
14542, 14606	zations, 1963 and 1964 -----
Police:	15026
District of Columbia, residence re-	appropriations, 1965, report -----
strictions, repeal, report -----	14048
13976	equal employment opportunity pro-
retirement credit for service for	gram, summation (address) -----
members of Secret Service Di-	15028
vision, report -----	Postage stamps, United States, July
13974	1, 1847-Dec. 31, 1963, de-
Texas, social security coverage,	scription -----
law -----	15027
13898	Postal service:
Political economy, <i>see</i> Economics.	curtailment, hearings -----
Politics:	14013
Communist China, translations -----	economies (address) -----
14413,	15021
14529, 14557, 14655	employees, salaries, adjust, report -----
14414,	14071
Eastern Europe, translations -----	goals and achievements (address) -----
14408, 14546, 14586	<i>see also</i> Mail matter.
14492,	Posters:
North Vietnam, translations -----	fallout shelter signs, posting in-
14536, 14558, 14578, 14587	structions, handbook -----
14679	13793
Pollock, Eugene N., remarks, June 23,	inaugural address of John F.
1964 -----	Kennedy -----
14679	13920

Entry	Entry
Postmasters, examination announcement-----	13797
Potatoes, <i>see</i> Sweetpotatoes.	
Potentiometers, rotating and static precision components symposium, proceedings-----	15009
Poultry:	
feed production, current industrial report-----	13757
plants operating under inspection and grading programs, list-----	13557
raising, scientific research, Rumania-----	14556
retail sales of broilers and meat as affected by price, display area, and newspaper advertising-----	14171
Poverty:	
economic opportunity act of 1964-----	
hearings-----	14152
report-----	14120
eliminate poverty through education (remarks)-----	14665
facts (address)-----	14708
programs to combat-----	
hearings-----	14152
report-----	14120
rural, volunteers-----	14664
Power, Communist China, translations-----	14412, 14537, 14643
Power plants, <i>see</i> Nuclear reactor power plants.	
Power Use Conference, Portland, Oreg.:	
proceedings, Feb. 27-28, 1963, supplement-----	13739
proceedings, Feb. 19-20, 1964-----	13738
Powers, Bruce G., demonstrating minimum flying speed of delta-wing airplane-----	14870
Prabhakara, Cuddapah, non-photochemical processes effects on ozone in atmosphere-----	14844
Pravda (periodical):	
editorials, translations-----	14454, 14483, 14541, 14607, 14640
Precipitation:	
decennial census of U.S. climate--	15154-155
storage-gage, data for Western United States, July 1962-June 1963-----	15163
<i>see also</i> Weather control.	
Precision casting, <i>see</i> Founding.	
Prediction (psychology):	
air traffic control specialists performance, comparison of experience with aptitude tests-----	13733
airman qualifying examination use to predict completion of basic training-----	13635
carefulness test battery, validation against training school criteria-----	13633
Premiums (insurance), <i>see</i> Life insurance.	
Prepackaging, <i>see</i> Packaging.	
Preservatives, <i>see</i> Wood preservatives.	
President of United States:	
inability and succession to office, proposed amendments to Constitution, hearings-----	14148
inaugural address of John F. Kennedy (poster)-----	13920
papers--	
announcement and order form--	15037
Truman, Harry S.-----	14254
President's Advisory Committee on Labor-Management Policy, appropriations, 1965, report-----	14048
President's Committee on Employment of Handicapped, appropriations, increase authorization, law-----	13871
President's Conference on Occupational Safety, news-----	14676-682
President's Panel on Mental Retardation, reports, task force on behavioral and social research--	15029
President's reorganization plans, <i>see</i> Government reorganization plans.	
Press:	
Albania, information report--	14429, 14453
Bulgarian provincial, summary--	14461, 14571
Czechoslovak provincial, summary-----	14448, 14601, 14649
Hungarian provincial, summary--	14500, 14633
Indonesian survey-----	14499, 14658
Polish provincial, summaries--	14428, 14542, 14606
Rumanian provincial, summaries--	14496, 14568, 14642
Pressure:	
distribution, delta-wing windward pressures, control-surface interaction effects-----	14867
known constant, device induces lungs to maintain-----	14825
maximum pressure volume relationships of human respiratory system-----	13648
sonic boom, ground measurements for altitude range of 10,000 to 75,000 feet-----	14903
Pressure regulation, high-pressure regulating system prevents pressure surges-----	14801
Prevention of accidents, <i>see</i> Accidents.	
Price, Earl A., heat-transfer measurements on flat plate and attached fins-----	14873
Price discrimination, <i>see</i> Prices.	
Price lists, <i>see</i> Government publications.	
Prices:	
affect retail sales of broilers and meat-----	14171
agricultural prices, annual summary-----	15128
price discrimination legislation, hearings-----	14149
purchasing power of dollar based on wholesale price index, annual averages, 1890-1963-----	14712
<i>see also</i> names of commodities.	
Printed circuits:	
manufacture of high-reliability boards, application of nuclear techniques-----	13718
servicing techniques, guide-----	15001
Printing, industry, union wages and hours-----	14702
Private laws, <i>see</i> Law.	
PRI, <i>see</i> Personnel Research Laboratory.	
Probabilities (mathematics):	
probability number theory, new method, USSR study-----	14440
random search method, progress toward goal, USSR study-----	14543
Probation, Federal system, persons under supervision, 1963 report-----	13556
Probes, planets, theory of tumbling bodies entering atmospheres--	14905
Processing of food, <i>see</i> Food processing-- <i>also</i> names of food processed.	
Procurement, <i>see</i> Army--Military supplies--National Aeronautics and Space Administration.	



# INDEX

Entry	Entry
Production:	Prunes, production, use, value, by
automation relationship, current	States, 1962-63----- 15129
developments (paper)----- 14713	Psychiatric clinics, <i>see</i> Clinics.
costs, methods of reducing, USSR	Psychiatry, careers in Public Health
articles----- 14437	Service----- 14947
defense production act, extend--	Psychology, USSR studies----- 14636
hearing----- 14128	<i>see also</i> Psychophysics.
law----- 13892	Psychopharmacology, Rumanian ar-
report----- 14060	ticle----- 14417
industrial productivity, data for	Psychophysics, one-trial learning and
measurement----- 14707	quantum psychophysics, syn-
organization of material-technical	thesis----- 15006
supply and material balances,	Public accommodations, <i>see</i> Civil
fundamentals, USSR study----- 14645	rights.
questions of statistics of prime cost	Public Advisory Committee on Vene-
of industrial production, USSR	real Disease Control, special
study----- 14614	committee report on venereal
<i>see also</i> Gross national product--	disease education----- 15070
also names of classes of com-	Public assistance:
modities.	cases, reasons for opening and
Productivity, <i>see</i> Production.	closing----- 14217
Products, <i>see</i> Commercial products.	demonstration projects----- 15165
Professional papers, Geological Sur-	Federal assistance for projects in
vey----- 14340-347	aging----- 15160-167
Professional workers, social and eco-	PAI (series)----- 14216
nomic characteristics, census	source of funds expended for pay-
of population, 1960----- 13773	ments----- 14218
Program aid series----- 13595-596	special types, money payments,
Programmed instruction:	Oct. 1963----- 14215
prospects for its introduction,	Public debt:
USSR study----- 14621	increase in ceiling--
research, annotated bibliography--	hearing----- 14133
training methodology----- 13678	law----- 13877
Progressive failure prediction----- 13642	report----- 14056
Project Firefly, 1962-63----- 13630	Public Documents Division, price list.
Project fog drops, investigation of	Public health, <i>see</i> Health.
warm fog properties and fog	Public health schools, graduate train-
modification concepts----- 14785	ing program, extend authori-
Projects aided under Cooperative Re-	zation, report----- 13984
search and Demonstration	Public Health Service:
Grants Program----- 15170	act, amend, report----- 13980, 13984
Promotions:	appropriations, 1965--
Army and Air Force Reserve offi-	law----- 13904
cers, to existing unit vacan-	report----- 13951
cies, authorize, report----- 13940	careers in psychiatry----- 14947
Navy and Marine Corps officers, im-	Commissioned officers, crediting
proved opportunity, extend, re-	military service in computing
port----- 14118	Reserve retired pay, hearing--
Propellants, noncryogenic, for electro-	grants and awards, 1962 funds,
thermal thrusters, errata----- 14848	summary tables for extra-
Propellers, screw, controllable pitch,	mural programs----- 14951
and ship design, USSR study----- 14488	health information leaflets and
Property, <i>see</i> Enemy property--Personal	pamphlets, list----- 15058
property.	neurological and sensory disease
Prophylaxis, prophylactic and protec-	service program----- 15060
tive measures in working with	project grants program, community
thorium, USSR study----- 14463	health services for chronically
Prospects, tasks and cooperation; in	ill and aged----- 15166
medical industry, USSR----- 14511	sanitation facilities for Indians,
Prostheses, lavsan, changes in human	IHS authority under P.L. 86-
morphological arterioplasty,	121----- 15064
USSR study----- 14612	Public law 480, <i>see</i> Agricultural trade
Protective coatings, <i>see</i> Coating ma-	development and assistance act
terials.	of 1954.
Protective shelters:	Public laws, <i>see</i> Law.
fallout--	Public papers of Presidents of United
medical care manual, errata----- 13792	States----- 14254
signs, posting instructions, hand-	announcement and order form----- 15037
book----- 13793	Public property:
fallout radiation, calculating pro-	administration, Navy handbook, re-
tection----- 14938	vised pages----- 15014
licensing and marking instructor's	Federal, supply management report
guide----- 13794	instructions, NGB pamphlet--
Proteins, serum, change, patients	14944
with chronic radiculitis dur-	Public Roads Bureau, publications,
ing treatment with vibration	list----- 15072
baths, USSR study----- 14575	Public welfare, <i>see</i> Social work and
Protons, radiation damage to semi-	problems.
conductors----- 14775	Public works, appropriations, 1965,
Protozoa, common intestinal, of man--	report----- 13929
15045	Public Works Committee, House:
Providence, R.I., real property ac-	hearings----- 14015-16
quisition practices and adequacy	report----- 13954
of compensation, hearings----- 14016	Public Works Committee, Senate, re-
	ports----- 14087-93, 14103

Entry	Entry
Publications, <i>see</i> Government publications— <i>also</i> names of departments, etc., issuing publications— <i>also</i> subjects.	Radiation—Continued
Puddycumb, Ralph H., human free-fall trajectories-----	damage to semiconductors by high-energy electron and proton radiation-----
Pueblo, Colo., stratigraphy of Niobrara formation-----	14775
Puerto Rico:	effects—
fair labor standards act, minimum wage rates-----	in semiconductors-----
standard metropolitan statistical areas, 1963, defined by Bureau of Budget, map-----	14891
13775	on RNA and RNA metabolism in cells of human malignant tumor, USSR study-----
Pullet, Gerard, relief-----	14574
Pulaski County, Ill., development program, suggestions for making more effective-----	external magnetic field, kinetic equations for plasma, solution-----
13660	13699
Pulpboard, tariff classification of certain particleboard, law-----	13641
13883	forces in inhomogeneous media-----
Pulse code modulation, <i>see</i> Radio pulse code modulation.	hazards, control, State laws and regulations, summary-----
Pumps, cryopumping of hydrogen in vacuum chamber is aided by catalytic oxidation of hydrogen-----	14675
14803	hygiene, USSR studies-----
Purchasing, power of dollar based on wholesale price index, annual averages, 1890-1963-----	14455
14712	Japanese Association for Radiation Research on Polymers—
Pymatuning Lake, Pennsylvania-Ohio compact, amend rel. to specifications and speed of motorboats, consent of Congress, report-----	report 1960-----
14081	13689
Pyroelectric detection techniques and materials-----	report 1961-----
14770	13690
<b>Q</b>	outgoing, spectral distribution-----
Quacks and quackery, medical quackery affecting the elderly, hearings-----	14917
14122	pasteurization, shrimp-----
Quality assurance provisions for Government agencies-----	13706
14794	shortwave, spectral distribution, investigation-----
Quality publication NPC 200 (series)-----	14920
14794	<i>see also</i> Cosmic rays—Gamma rays—Radioactivity—Radio-protective agents—Thermal radiation—Ultraviolet rays.
Quantum mechanical study of molecules-----	Radiation illness:
14890	acute, hemopoietic tissue, state under conditions of bone marrow transplantation, USSR study-----
Quarantine, <i>see</i> subjects.	14592
Quarterly:	peculiarities of the course of radiation sickness in mice subjected to treatment with marrow and by immunization, USSR study-----
NOTE.—For all publications which began with the word "Quarterly" <i>see</i> subject, or name of department, etc., issuing publication.	14618
Quick look at hours worked under fair labor standards act as amended, 1961-----	Radiation sickness, <i>see</i> Radiation illness.
15149	Radiators, fin-tube configurations, heat-rejection and weight characteristics-----
<b>R</b>	14898
Raen, Helen P., indexes to Oak Ridge National Laboratory master analytical manual-----	Radiculitis, chronic, change in serum protein of patients during treatment with vibration baths, USSR study-----
13712	14575
Race problems, integrating Maryland training schools-----	Radio astronomy, transmission of information by extraterrestrial civilizations, USSR study-----
13782	14648
<i>see also</i> Discrimination in employment.	Radio engineering, USSR, translations from Izvestiya VUZov-----
Racks, electronic assembly rack panels snap on and off-----	14479
14828	Radio in navigation:
Radar:	aids—
ARTS, advanced radar traffic control system, Atlanta facility training manual-----	Atlantic and Mediterranean area-----
14221	14993
continental defense system, agreement with Canada-----	Pacific and Indian Oceans area-----
15123	14994
PAR precision approach facilities maintenance, FAA handbook-----	Radio physics, <i>see</i> Radiophysics.
14226	Radio pulse code modulation, PCM error correction and synchronization code-----
Radiance of earth and its limb in middle ultraviolet-----	14860
14885	Radio-release technique for measurement of moisture in gases, final report-----
Radiation:	13705
anti-ray effect of gallates under conditions of irradiation with 1000 roentgens, USSR study-----	Radio telephone, FDM telephony transmission over SSB-PM satellite communication system, non-linear noise analysis-----
14615	14892
celestial background radiation-----	Radio waves:
13626	lunar radio emission, physical state and nature of moon's surface-----
	14911
	propagation, east-west ionospheric paths, sunrise effects-----
	13629
	Radioactive substances, protection of grain products from radioactive, chemical and bacterial substances discussed, USSR study-----
	14591
	Radioactivity:
	fallout, engineering method for calculating protection afforded by structures-----
	14938
	fallout shelters, signs, posting instructions, handbook-----
	13793
	radium in water, determination-----
	14349
	technique for measurement of moisture in gases-----
	13705
	<i>see also</i> Radiosensitivity.

# INDEX

Entry	Entry
Radiochemical analysis, radiochemical analysis of water (series)-----	14349
Radiological health, <i>see</i> Health.	
Radiological Research Laboratory, Columbia University, annual report on research project-----	13700
Radiological warfare, protecting food and water against chemical-biological-radiological attack, USSR study-----	14555
Radionuclides, radium in water, determination-----	14349
Radiophysics, translations from <i>Izvestiya VUZov</i> -----	14509
Radio-protective agents, mercamine, radio-protective action on radio-sensitivity of rats, effectiveness, USSR study-----	14471
Radiosensitivity, stress of rats, effectiveness of radio-protective action of mercamine, USSR study-----	14471
Radium:	
cases, survival experience-----	13701
determination in water-----	14349
Railroad accidents:	
accident bulletin-----	14399
investigation report-----	14406
rail-highway grade crossing accidents, errata-----	14402
summary and analysis, bulletin-----	14399
Railroad Adjustment Board, <i>see</i> National Railroad Adjustment Board.	
Railroad employees, retirement and unemployment insurance act, RRB administrative rulings-----	15074
Railroad retirement acts, <i>see</i> Railroad employees.	
Railroad Retirement Board, rulings in administration of Railroad retirement act and Railroad unemployment insurance act, legal opinions-----	15074
Railroads:	
automatic data processing procedure of rail form A, 11-63 using IBM 7090, textual explanation-----	14403
railway operating rules, technical manual-----	13684
revenue contribution, distribution-----	14401
<i>see also</i> Railroad employees.	
Rain:	
calendarieties, search-----	13628
gages, trough-type, evaluation-----	14322
interception by hardwood forest litter in southern Appalachians-----	14332
Rain making, <i>see</i> Weather control.	
Rainfall, <i>see</i> Rain.	
Random processes, <i>see</i> Probabilities (mathematics).	
Range lands, allotment analysis and management planning, story of survey on national forests and grasslands-----	13596
Rantz, S. E., stream hydrology related to optimum discharge for king salmon spawning in northern California Coast Ranges-----	14357
Rates, <i>see</i> Electricity.	
Ratings, peer, stability in changing groups-----	13686
Rats:	
microsome oxidase and reductase activity in livers of young rats, influence of X-irradiation on development-----	13651
radiosensitivity, effectiveness of radio-protective action of mercamine, USSR study-----	14471
Ray, H. D., measuring wool by staple length recorder-----	13590
Reactor fuel rods, fabrication with stainless-steel-lined zircaloy-2, design-----	13695
Reactor fuels, graphite-matrix fuels development for AVR, final report-----	13693
Reactor (atomic):	
BONUS boiling nuclear superheater power station, final summary design report-----	13707
gas-cooled-----	
experimental, radiological health manual-----	13691
rotating machinery application, proceedings of meeting-----	13715
graphite-matrix fuels development for AVR, final report-----	13693
kinetics and control, symposium-----	13714
VBWR stability test report-----	13694
Real estate:	
acquisition practices and adequacy of compensation in Federal and federally assisted programs, hearings-----	14016
transferred by RFC to other departments, payments in lieu of taxes, extend period, law-----	13880
Real property, <i>see</i> Real estate.	
Recipes, breads (batters), cereals, and past products-----	13682
Reclamation Bureau:	
program, recreational opportunities-----	15076
publications available for sale, list-----	15075
special studies, delivery of water to Mexico-----	15077
Reclamation of land, USSR, discussion of problems at February plenum of Central Committee, CPSU-----	14650
<i>see also</i> names of projects.	
Reclamation projects, <i>see</i> names of projects.	
Reconstruction Finance Corporation, real property transferred to other departments, payments in lieu of taxes, extend period, law-----	13880
Recording instruments, cockpit voice recorders, installation, civil air regulations, amendments-----	14222
Records:	
genealogical records in National Archives, guide-----	14931
government departments, etc., disposition, report-----	13931
tools for safety action, using to reduce accidents (remarks)-----	14679
<i>see also</i> Paperwork (office practice)— <i>also</i> subjects.	
Recreation:	
outdoor:	
general policy guidelines-----	15031
water pollution and public health aspects, policy-----	15032
reclamation's program for recreational opportunities-----	15076
Recreation Advisory Council, circulars-----	15030-33
Recreational areas and demonstration projects:	
national areas, selection, etc., policy governing-----	15030
Welfare Administration, demonstration projects in public assistance-----	15165
Red Dane cattle, <i>see</i> Cattle.	
Red flag (Chinese periodical):	
translations-----	14436, 14481
Redevelopment (city planning, etc.):	
Alexander and Pulaski Counties, Ill., suggestions for more effective development program-----	13660



Entry	Entry
Redevelopment (city planning, etc.)—Continued	Renovizing—Continued
ARA economic and social research program-----	Industrial—Continued
13664	Portland Area Conference proceedings, Mar. 26, 1964-----
area redevelopment-----	13743
bookshelf of community aids-----	Southwestern Conference proceedings, Jan. 17, 1964-----
13662	13744
industries, big city, characteristics-----	Washington State Conference proceedings, Mar. 31, 1964-----
13661	13745
Muskogee, Okla., opportunities for economic improvement-----	Reorganization of Government activities, see Government reorganization plans.
13658	Repair stations, see Aircraft repair stations.
Reynolds and Wayne Counties, Mo., opportunities for economic growth-----	Repatriates, U.S. citizens from foreign countries, temporary assistance, extend, law-----
13657	13896
Impact of Federal programs on local government organization and planning-----	Report, see names of departments, etc., issuing reports—also subjects.
14139	Republic of China, see China.
overall economic development program, guidebook for redevelopment area organizations-----	Republic of Congo (Leopoldville), see Congo (Leopoldville).
13662	Republic of Dahomey, see Dahomey.
Russell County, Va., suggested development opportunities-----	Republic of Ivory Coast, see Ivory Coast.
13659	Republic of Korea, see Korea.
urban renewal, project characteristics, 1963-----	Republic of Philippines, see Philippines.
15142	Research:
Reed, Louis S., independent health insurance plans, 1963-----	ARA economic redevelopment program-----
15087	13664
Reed, Sarah R., library research in progress-----	Education Office cooperative projects, 7 year summary, July 1, 1956-June 30, 1963-----
14190	14180
Reemployment of veterans, see Veterans.	research and your job (address)-----
Reentry into atmosphere, see Atmospheric entry.	15177
Reflection and transmission coefficients at interface ice-solid-----	research profiles-----
14202	14952-956
Reflectors, spherical, monopole phased array feed-----	see also Scientific research—also names of departments, etc., doing research—also subjects.
13632	Research and Development Laboratories, Engineers, see Army Engineer Research and Development Laboratories.
Reformatories, Maryland training schools, integrating-----	Research and development reports, Atomic Energy Commission-----
13782	13689-719
Refractory materials, high-temperature tensile testing in vacuum, apparatus facilitates-----	Research and statistics notes-----
14805	15086-87
Refuges, see Wildlife refuges—also names of refuges.	Research laboratories, see names of laboratories or places where located.
Refuse, International Research Group on Refuse Disposal, information bulletins-----	Research notes, Forest Service-----
15056	14308-329
Regeneration (biology):	Research papers:
lodgepole pine, slash disposal and cone opening, study-----	Forest Service-----
14319	14330-333
Registers, Army National Guard, 1964-----	physical sciences research papers-----
14945	13636-645
Registry of national historic landmarks-----	Research report, Fish and Wildlife Service-----
14976	14282
Regulations, see Code of Federal regulations—also names of departments, etc., issuing regulations—also subjects.	Reserve components of Armed Forces: enlisted members, cancellation of indebtedness, report-----
Rehabilitation of the disabled, vocational restoration, teamwork approach (remarks)-----	13941
14684	facilities, construction authorization, 1965, report-----
Reigner, Irvin C., evaluation of trough-type rain gages-----	14053
14322	see also Pay allowances, etc.
Reinhart, Kenneth G., stream-gaging stations for research on small watersheds-----	Reservoirs, United States, sediment deposition surveys made through 1960, summary-----
13581	13593
Reins, D. A., acute and chronic effects of insecticide endrin on renal function and renal hemodynamics-----	Residence (law), see Domicile.
13728	Residence for Capitol and Supreme Court pages, report-----
Reliability (mechanical): progressive failure prediction-----	14087
13642	Resins:
Religions, USSR, survival, causes and means for elimination-----	anion exchange, scintillating, final report-----
14553	13702
Renal diseases, see Kidneys.	epoxy bond, stringent cleaning technique recommended-----
Renegotiation act of 1951, see Government contracts.	14830
Renegotiation Board:	Resistance, see Electric resistance.
practice and procedure, extend—law-----	Resolutions, see House bills—Law—Senate bills.
13888	Resonance, electron spin, pentavalent chromium complexes investigation, USSR study-----
14055	14622
Renovizing:	Respiratory organs, upper, classification of tumors, USSR studies-----
Industrial—	14516
Long Island Conference, proceedings, Apr. 16, 1964-----	Respiratory system, human, maximum pressure-volume relationships-----
13742	13648

# INDEX

Entry	Entry
Responses (psychology): human vestibular responses, task, control of arousal and effects of repeated unidirectional an- gular acceleration-----	Roads and highways—Continued national forest roads and trails, construct and maintain, re- port-----
13731	14103
Retail prices, <i>see</i> Prices.	national program of scenic roads and parkways-----
Retail trade: current retail trade reports-----	15033
13767	State highways bordering Fort Leavenworth Military Reserva- tion and U.S. Penitentiary at Leavenworth, retrocede juris- diction to Kansas, report-----
13767	14110
Retaining walls, engineering and de- sign, change-----	<i>see also</i> names of roads or high- ways.
14205	Robinson-Patman act, <i>see</i> Prices.
Retired pay, <i>see</i> Pensions.	Rochester, N.Y., aircraft accident---
Retirement, Secret Service Division members, credit for former po- lice service, report-----	13790
13974	Rocket boosters, <i>see</i> Rockets.
<i>see also</i> Railroad employees.	Rockets: Aerobee 150A sounding, flight vi- bration data-----
Reynolds County, Mo., redevelopment area, opportunities for eco- nomic growth-----	14858
13657	boosters— manned guidance and control---
15043	14789
Rheumatic fever, selected references---	thrust, acoustic efficiency
Rhode Island, weather stations, de- cadal census-----	trends-----
15161	14841
Ribbons for typewriters, etc., fabric, cotton and nylon, Federal standard-----	time optimal control with ampli- tude and rate limited controls---
14260	14771
Ribonucleic acid, metabolism in cells of human malignant tumor, ra- diation effect, USSR study-----	exhaust gases— comparisons of experimental free- jet boundaries with theoretical results obtained with method of characteristics-----
14574	14865
Rice, U.S. exports under Government programs, 1962-64-----	highly underexpanded free jets impinging upon parallel flat surface-----
14290	14864
Richland, Wash., Hanford project, disposal of property on, re- ports-----	14833
13957, 14078	Saturn V launch vehicle, proposed versions, aerodynamic charac- teristics-----
Richter, D. H., 1961 eruption of Kila- uea Volcano, Hawaii-----	14883
14345	spectrophotometer airglow mea- surements in far ultraviolet---
Richter, Harold G., radio-release tech- nique for measurement of mois- ture in gases, final report-----	14889
13705	Trallblazer IIb, spectrographic data from reentries-----
Riecker, R. E., application of Induc- tion heating to rock deforma- tion apparatus-----	14880
13631	14847
Rights of persons, <i>see</i> Civil rights.	vibratory environments, localized, statistical techniques for de- scribing-----
Riley Whittle, Inc., accident-----	14847
Ringel, Seymour, information assimila- tion from alpha-numeric dis- plays-----	YLROO-RM-1 engine operating experience in X-15 aircraft---
13685	14890
Rio Grande and Valley: canalization project, maintenance costs-----	Rocks: deformation apparatus, application of induction heating-----
14000	13631
13965	mean density values, determination by use of penetrating cosmic radiation, USSR study-----
lower, ground water resources of area-----	14445
14348	nepheline-containing, piezoelectric effect, USSR study-----
Rirap, stability, overflow embank- ments, Arkansas River-----	14467
14212	petrographic study and classifica- tion of western phosphate ores-----
Rivers: fluvial sediment discharge in streams, determination of loads by measurement and analysis---	14750
14363	14340
hydrology related to optimum dis- charge for king salmon spawn- ing in northern California Coast Ranges-----	petrology of limestones of Gunn- phase-equilibrium relations of rock- forming oxides-----
14357	14343
sediment loads in streams, meas- urement and analysis-----	Rockwell, Julius, jr., electromechani- cal fishing and counting fence used in Ireland-----
14363	14267
RNA, <i>see</i> Ribonucleic acid.	Rodenticides, notices of judgment---
Roach, F. E., absolute photometry of light of night sky, zenith inten- sity of Haleakala and Fritz Peak-----	13572
14939	Rodriguez, Reynaldo, market for U.S. products, Venezuela-----
Road-check results, first half, 1962- 63-----	14370
14407	Roentgenology, anti-ray effect of gal- lates under conditions of irra- diation with 1000 roentgens, USSR study-----
Roads and highways: challenges of highway transporta- tion (remarks)-----	14615
13826	Roethlisberger, Hans, reflection and transmission coefficients at in- terface ice-solid-----
Federal-aid highway act of 1964, report-----	14202
14093	Roosevelt, Franklin D., jr.: remarks----- June 9, 1964-----
Federal-aid system, State permitted to increase mileage, report-----	13828-829
14090	June 12, 1964-----
highway construction program, criminal penalties in connec- tion with false statements, hearings-----	13830
14010	June 18, 1964-----
	13827
	Roosevelt Campobello International Park, establish, law-----
	13911
	Roosevelt Campobello International Park Commission, establish, law-----
	13911

# AUGUST 1964

	Entry
Roots, development, ponderosa pine transplants at Lincoln, Nebr.	14328
Rosen, M. Seymour, higher education in Poland, rules of admissions, etc	14187
Rosenberg, N. W., Project Firefly, 1962-63	13630
Rosenberg, S. D., catalytic reduction of carbon monoxide with hydrogen	14773
Ross, John E., effects of gin drying and cleaning of cotton	13589
Rossmann, Audrey, relief	13861
Rotating machinery for gas-cooled reactor application, proceedings of meeting	13715
Rothberg, Herman J., labor and material requirements for private one-family house construction	14703
Rough, Robert L., hydraulic fracture treatments in Glade and Clarendon oil reservoirs	14753
Rubeola, see Measles.	
Ruby, J. D., elastomers for potential use at cryogenic temperatures	15017
Rugs, braided, industry, trade practice rules	14261
Rules, see names of courts, commissions, etc., issuing rules—also subjects.	
Rules and Administration Committee, Senate:	
hearings	14156
jurisdiction to investigate violation of rules of Senate, report	14082
reports	14075, 14082, 14104
Rules Committee, House:	
hearing	14017
reports	13929, 13952, 13959-960, 13971, 13978
Rumania:	
provincial press, summaries	14496, 14568, 14642
school of mathematics	14477
scientific research in animal husbandry and poultry raising	14556
Rural communities:	
housing for elderly, insured loan program, extend—	
law	13889
report	14058
Rural electrification, see Electricity.	
Russell, Harold, remarks, July 13, 1964	14684
Russell County, Va., development opportunities, suggestions for improvement	13659
Russia, see Union of Soviet Socialist Republics.	
Ryukyu Islands, foreign assistance appropriations, 1965, reports	13950, 13952

## S

S.A.M., see School of Aerospace Medicine.	
S.R.D.S., see Systems Research and Development Service, FAA.	
Sadoff, Melvin, high sustained acceleration effects on pilots' performance and dynamic response	14843
Safety equipment and appliances, see names of special equipment or appliances.	
Safety of life:	
air safety, human factors aspect of lightplane safety	13737
community's interest in health and safety of health workers (remarks)	14672

	Entry
Safety of life—Continued	
industrial safety design considerations for layout of facilities, placement of equipment, and production processes (remarks)	14682
Kaiser Steel Corporation, Fontana, Calif., accident records program (remarks)	14680
occupational safety legislation, States, summary	14674
records as tools for safety action (remarks)	14679
safety digest, AMC pamphlet	13669
tornado safety rules	15164
Sagamore Hill National Historic Site, general information	14977
Sahni, Roop C., electronic state of diatomic molecules	14890
St. Kitts, plant import requirements	13573
St. Louis River, dam, construction, law	13872
St. Paul, Minn., lands conveyed to, release reservations, report	14112
Salaries:	
employee earnings in miscellaneous retail stores, June 1962 retail stores and proprietary stores—Government officials and employees, adjust rates of basic compensation, report	14071
land-grant colleges and State universities, 1963-64	14195
see also Wages.	
Sales, see names of commodities, etc.	
Saline River:	
and tributaries, flood control, engineer report	
departmental edition	14209
document edition	13924
Salmon, king, stream hydrology related to optimum discharge for spawning in northern California Coast Ranges	14357
Salt Lake City, Utah:	
accident	14405
convey land to Board of Education, reports	13944, 14115
Salt water, see Sea water.	
SAM, see School of Aerospace Medicine.	
Samson, J. A. R., planetary physics photolonization cross sections of rare gases	14781
Samuel Gompers (U.S.S.) keel-laying (address)	14661
Sanders, Debra L., relief	14032
Sanford, F. Bruce, index of publications by Branch of Technology, Bureau of Commercial Fisheries, 1955-99	14277
San Francisco, Calif., housing problems of the elderly, hearings	14123
Sanitation:	
atmospheric air protection in USA, Soviet report	15062
facilities for Indians, PHS authority under P.L. 86-121	15064
Sarpy County, Nebr., claim, report	14099
Satellites:	
communications—	
act of 1962, activities, review, hearings	14002
bibliography	14799
high altitude water vapor determination	14783
instrumentation, use of solid circuits	14836
ionospheric research, agreement with Canada	15112
medium-data-rate digital telemetry system	14859
orbits, long-range effects caused by moon and sun	14902



# INDEX

Entry	Entry
Satellites—Continued	Science—Continued
SSB-PM communication system, non-linear noise analysis in FDM telephony transmission-----	East European abstracts----- 14421-423, 14426, 14431, 14434-435, 14469-470, 14524, 14564, 14596, 14600
Vanguard III, whistlers observed, data report-----	economic and social implications, current projects, 1963-----
Vostok and Vostok-2, first manned group flight into outer space, Aug. 11-12, 1962, USSR study-----	exchange program, agreement with USSR-----
Saturn (rocket), see Rockets.	Federal funds for research, development and other scientific activities, 1962-64-----
Savings and loan associations, management and system, decisions for today and tomorrow (remarks)-----	health resort, USSR studies-----
Sawdust, uses for sawdust and shavings-----	philosophical problems in natural science, USSR study-----
Sawflies, see Flies.	physical sciences research papers-----
Sawlogs, see Logs.	scientific and technical exchange programs, planning and development, key contacts, inter-agency directory-----
Sawmills, circular, aspects of sawing accuracy-----	USSR, abstracts-----
Sawyer, William A., remarks, June 23, 1964-----	Scientific Council on Problems of Cytology, USSR, proceedings of 1st session-----
SC-1473 (vessel): permit to engage in fisheries-----	Scientific research, funds for research and development, Federal, 1962-64-----
Scale (logging): national forest log scaling handbook-----	Scientists: employment in State government agencies, 1962-----
Scallops, Gulf of Alaska, explorations-----	USSR, biographies-----
Scattering, radiation scattered by non-equilibrium plasma, calculation of spectral density valid for all wavenumbers-----	Scintillation, anion exchange resin, final report-----
Schaefer, Charles H., studies on life history of Virginia pine sawfly-----	Scope ratio-depth relationships for beam trawl, shrimp trawl, and other trawl-----
Schenectady, N.Y., occupational wage survey-----	Scott, Glenn R., stratigraphy of Niobrara formation at Pueblo, Colo.-----
Schild, Sylvia, parents of children with phenylketonuria-----	Scott, Marie, remarks, June 24, 1964-----
Schilling, Guy A. W., how U.S. cotton is sold for export-----	Scotts Bluff National Monument, general information-----
Schimke, Harry, tests of wind machine as aid to burning slash-----	Scrap, metals, temporary suspension of duties, continue, law-----
Schlanger, Seymour O., petrology of limestones of Guam-----	Sculpture and statuary, presentation of statue of Abraham Lincoln to Mexico-----
Schmaedeke, W. S., rocket booster control, time optimal control with amplitude and rate limited controls-----	Sea water: ice, structural control of vertical variation of strength-----
Schmidt, E. D., cushioning materials for harvesting and handling fruits and vegetables-----	systems for experimental aquariums, collection of papers-----
Scholarships, higher education students, provide, hearings-----	Seafaring wage rates, Atlantic, Gulf and Pacific districts-----
School of Aerospace Medicine: aeromedical reviews-----	Sealing, metal fill tubes, tool facilities-----
technical documentary reports-----	Seals (animals): northwest Atlantic fisheries convention, protocol, report-----
Schools: enrollment, population characteristics, census-----	Seaver, Robert E., cryogenic solutions and solubilities in liquid fluorine-----
teaching about United Nations in United States, 1960-1963, report-----	Secondary education, Clearinghouse Exchange of publications of State departments of education-----
see also Elementary education—High schools.	Secondary oil recovery possibilities, Cow Run sand, Burning Springs pool, Wirt County, W. Va.-----
Schramm, Wilbur, research on programmed instruction, annotated bibliography-----	Secret Service, members, retirement credit for former police service, report-----
Schroeder, H. J., cadmium, minerals yearbook chapter-----	Securities: act of 1933, amend, report-----
Schuerch, H. U., deployable centrifugally stabilized structures for atmospheric entry from space-----	foreign, interest equalization tax act, hearings-----
Science: college and university, physical facilities planning aids-----	markets, investor protection, report-----
Communist China—abstracts-----	Securities and Exchange Commission: member, nomination of Hamer H. Budge, hearing-----
translations-----	securities markets, investor protection, report-----
earth sciences, East European abstracts-----	

Entry	Entry
Securities exchanges, act of 1934, amend, report-----	13978
Security, <i>see</i> National security.	
Sedimentation and deposition:	
clayey sediments, removal of water and rearrangement of particles during compaction-----	14348
fluvial sediment discharge in streams, determination of loads by measurement and analysis-----	14363
measurement and analysis of sediment loads in streams-----	14363
reservoir sediment surveys made in U.S. through 1960, summary-----	13593
See the United States, 1964 and 1965, designate period to, report-----	14084
Seeding, <i>see</i> Forest planting.	
Seidl, Wolfgang, relief-----	14044
Seismic measurements, gravity and seismic studies in Crooks Gap area-----	14337
Seismographs, record vibrations produced by blasting, instrumentation design requirements-----	14763
Seismometers, <i>see</i> Seismographs.	
Selenium, oilfield waters, analyzing method-----	14756
Semiconductors:	
devices, market in West Germany and Italy-----	13740
radiation damage to semiconductors by high-energy electron and proton radiation-----	14775
radiation effects in semiconductors-----	14891
Senate:	
delegation to 4th Mexico-United States Interparliamentary Group meeting, report-----	14137
financial interests of Senators, officers of Senate, etc., disclosure, report-----	14075
journal of executive proceedings, 88th Cong., 1st sess., index-----	14022
officers and employees-----	
financial or business interests, investigation-----	
hearings-----	14156
report-----	14104
prohibit certain activities, etc., report-----	14075
standing rules, amend, reports-----	14075, 14082
Senate bills-----	14023
Senate documents-----	14024-26
Senate executive documents-----	14027-28
Senate executive reports-----	14029-30
Senate reports:	
private bills-----	14031-47
public bills-----	14048-120
Senegal, foreign trade regulations-----	14383
Senior citizens, <i>see</i> Aged.	
Senior Citizens Month, guide-----	15169
Sense organs, neurological and sensory disease service program, PHS-----	15060
Sensory diseases, <i>see</i> Sense organs.	
Septic tanks, percolation systems, failure, causes and prevention-----	14240
Sequoia National Park, general information-----	14979
Serial set (congressional)-----	13839
Serials:	
agriculture bibliography, serial publications indexed in-----	14930
new serial titles, 3d edition, 1963 cumulation-----	14719
Serum and serumtherapy:	
blood serum protein, change, patients with chronic radiculitis during treatment with vibration baths, USSR study-----	14575
toxic properties of sera after repeated thermal trauma, USSR study-----	14468
Service industries, East European, translations-----	14416, 14433, 14531, 14583, 14590, 14647
Servicing techniques for transistorized and printed circuits-----	15001
Servomotor, rotating and static precision components symposium, proceedings-----	15009
Severiens, Jacobus T., market factors in Netherlands-----	14388
Sewage:	
sanitation facilities for Indians, PHS authority under P.L. 86-121-----	15064
treatment contract awards by location, 1963-----	15065
Shannon, Ira L., in vitro effectiveness of topical applications of low concentration stannous fluoride solutions-----	13647
Shapiro, Ivan R., whistlers observed by Vanguard III-----	14857
Shells (aircraft):	
finite element solution for thin shells of revolution-----	14768
Shells (structural):	
cylindrical, liquid-filled, equations of axially symmetric vibrations-----	14924
flexible, determination of stresses and deformations by photoelastic coatings application-----	14925
liquid-filled, equations of transverse vibrations-----	14923
Shellfish:	
Georgia landings, annual summary, 1963-----	14263
Massachusetts landings by ports, annual summary, 1963-----	14264
Shelters (protective), <i>see</i> Protective shelters.	
Shepherdson, Phillip N., relief-----	13850
Sheppard, David, relief-----	13860
Sheppard, Harold L., Studebaker South Bend, Ind., plant closing report-----	13656
Sherrod, John, popular books on nuclear science-----	13725
Shielding:	
high energy electron accelerator installations-----	14932
radioisotope, design manual-----	13703
Shipbuilding, construction differential subsidies, extend, report-----	14051
Shipping:	
code of Federal regulations, supplement-----	14255
loading insert containers and cargo transporters-----	13681
nuclear power and merchant shipping-----	13724
<i>see also</i> Transportation—Water carriers.	
Ships:	
design and controllable pitch propellers, USSR study-----	14488
merchant fleets of world, seagoing steam and motor, 1000 gross tons and over-----	14725
passenger vessels, rules and regulations-----	13816
<i>see also</i> Fishing vessels—Shipbuilding— <i>also</i> names of ships.	
Shock mounts, frictional wedge, inexpensive and has good damping characteristics-----	14802
Shock waves:	
hypersonic shock heated flow parameters, as function of flight velocity and altitude-----	14900
spontaneous chain ignition of hydrogen with oxygen, USSR study-----	14444
Shoop, Lucille T., selected references on rheumatic fever, etc-----	15043

# INDEX

	Entry		Entry
Shopping, publications, list.....	15038	Smith, Robert D., electrical resistivity of cerium metal from 4° to 300°K.....	14761
Shore, Diedre R., relief.....	13855	Smith, W. L., jr., reduction of post-harvest decay of peaches and nectarines with heat treatments.....	13586
Shrimps:		Smithsonian Institution: appropriations, 1965—	
radiation pasteurization.....	13706	law.....	13904
utilization of otter-trawl vessels in Gulf of Mexico, 1959-61.....	14271	report.....	13951
Shrine, Mystic, <i>see</i> Ancient Arabic Order of Nobles of Mystic Shrine.		Smoking and the heart.....	14957
Sick, community health services for chronically ill, PHS project grants program.....	15166	Snow:	
Siegel, Jacob S., projections of population of United States by age and sex, 1964-85, with extensions to 2010.....	13763	Federal-State-private cooperative survey, Wyoming.....	15090
Sight, color vision, USSR studies.....	14525	Federal-State-private cooperative snow surveys, and soil moisture measurements for Western United States, including Columbia River drainage in Canada, 1962-63 season.....	15089
Sight reduction tables for air navigation.....	14995	Snyder, Richard G., biomedical research studies in acceleration, impact, etc., comprehensive bibliography.....	13732
Signal generators:		Social insurance, programs throughout the world, 1964.....	15088
AN/USM-44 and AN/USM-44A—illustrated parts breakdown.....	15013	Social sciences:	
operating instructions, handbook.....	15010	economic and social implications, current projects, 1963.....	14987
overhaul instructions.....	15011	mentally retarded, report of President's Panel.....	15029
service instructions.....	15012	Social security:	
Silicon nitride, fibrous, synthesis and properties.....	14749	act, amend, law.....	13898
Silicosis, in metal mining industry, 1958-61, reevaluation.....	15066	amendments of 1964, report.....	13979
Silk, woven goods finished, current industrial reports.....	13753	disability insurance program, facts and figures.....	15083
Sims, Joseph L., tables for supersonic flow around right circular cones at small angle of attack.....	14796	financing your social security benefits.....	15084
Simulators, internal environmental, for man-machine system.....	15004	programs throughout the world, 1964.....	15088
<i>see also</i> Flight simulators.		research and statistics notes.....	15086-87
Sinha, Naresh K., nonlinear adaptive control, systems with storage.....	14777	what you can expect.....	15085
Sires, <i>see</i> Bulls.		Social Security Administration, supervisory training course, interviewing and counseling.....	15082
600-A band of helium.....	13644	Social work and problems:	
Size cues and adjacency principle.....	13730	ARA research program.....	13664
Skilled trades, <i>see</i> Occupations.		welfare, etc., projects aided under Cooperative Research and Demonstration Grants Program.....	15170
Skin, cancer.....	15050	Sociology:	
Slag, copper reverberatory, smelting to recover iron of low copper and sulfur content.....	14762	Communist China, translations.....	14413, 14529, 14557, 14656
Slash, <i>see</i> Forests and forestry.		development research digest.....	14396
Slash pine, <i>see</i> Pine.		Eastern Europe, translations.....	14490, 14527, 14598
Slip laws, <i>see</i> Law.		North Vietnam, translations.....	14558, 14587
Small business, <i>see</i> Business.		philosophical problems, USSR study.....	14563
Small Business Administration, small business investment program, hearings.....	14018	Soil moisture, <i>see</i> Soils.	
Small Business, Select Committee On, House, hearings.....	14018	Solvents, <i>see</i> Extraction (chemistry).	
Small Business, Select Committee on, Senate, annual report.....	14109	Soils:	
Small town organizes basic services for its aging.....	15171	determination of cerium-144.....	13696
Smelting, copper reverberatory slags to recover iron of low copper and sulfur content.....	14762	moisture, measurements for Western United States, including Columbia River drainage in Canada, 1962-63 season.....	15089
Smith, Arthur J., Jr., Halpen's method for secular perturbations in motions of celestial bodies.....	14902	soil survey report—	
Smith, Edgar D., evaluation of UH-1D 48-foot rotor with Kellet 60-gallon external fuel tanks.....	13622	Caroline County, Md.....	15091
Smith, G. D., designing toroidal inductors with dc bias.....	14861	Cochran County, Tex.....	15092
Smith, G. L., cost of cotton insect control with insecticides at Tallulah, La.....	13565	Jackson County, Miss.....	15093
Smith, Grace, and others, relief.....	13840	trafficability, forecasting, freezing and thawing.....	14211
Smith, Jackie B., relief.....	13864	vibratory compaction tests, hydraulic backfills.....	14759
Smith, Michael B., basic data on economy of Chad.....	14377	Solar batteries, gallium arsenide photovoltaic device, new method used to fabricate.....	14819
Smith, Noble F., and wife, relief.....	13853	Solenoids, thick, finite-length, helical, azimuthal magnetic field.....	14895
Smith, Patsy B., ecology of benthonic species.....	14342		



Entry	Entry
Soliday, S. M., simulator investigation of pilot performance during extended periods of low-altitude, high-speed flight.....	14776
Solids, reflection and transmission coefficients at interface ice-solid.....	14202
Sonic boom, pressures, ground measurements for altitude range of 10,000 to 75,000 feet.....	14903
Sorghum, composition of commercial grades of grain sorghums.....	13570
Sound:	
identification, computer-aided learning, experiments.....	15003
thrust boosters, acoustic efficiency trends.....	14841
South Bend, Ind.:	
occupational wage survey.....	14694
Studebaker plant closing, report.....	13656
South Dakota, western, forest area and timber volume.....	14320
Southeastern Forest Experiment Station, research, 1963.....	14305
Southern Forest Experiment Station, report, 1963.....	14303
Southern Rhodesia, tobacco production and marketing.....	14291
Southwest (U.S.):	
water plan, hearings.....	14142
Southwestern Conference on Industrial Modernization, proceedings, Jan. 17, 1964.....	13744
Soviet bloc, conferences.....	14595
Soviet Union, <i>see</i> Union of Soviet Socialist Republics.	
SP series, <i>see</i> MA SP series—NASA SP series.	
Space, <i>see</i> Outer space.	
Space biology, USSR problems.....	14628
Space flight, <i>see</i> Astronautics.	
Space perception, spatial perception and concepts, problems.....	14910
Space Research Committee, Goddard Space Flight Center contributions to meeting, June 1963.....	14854
Spacecraft:	
atmospheric entry, deployable centrifugally stabilized structures.....	14782
booster, manned guidance and control.....	14789
environmental test data, integrated system for collecting and analyzing.....	14863
heat-rejection and weight characteristics of radiator fin-tube configurations.....	14898
lunar landings from synchronous orbit, thrust-vector orientation technique during manual control.....	14853
lunar landings, simple abort scheme.....	14871
nonlifting, delta-wing recovery device, low-subsonic aerodynamic characteristics.....	14881
performance measurement in flight simulation studies.....	14790
pitch motion, variation due to fuel sloshing in rectangular tank.....	14869
soft lunar landing, touchdown dynamics, errata.....	14842
unmanned, of United States.....	14793
USAF aerospace vehicles, information handbook.....	13625
Spain, foreign trade regulations.....	14375
Spanish language, Foreign Service Institute, basic course.....	15104-105
Sparks, Loward D., and wife, relief.....	14036
Sparrow, Gene W., proportional-type lateral control system capability of providing aerodynamic heading-angle trajectory control during reentry.....	14876
Spatial perception, <i>see</i> Space perception.	
Specialists, working with low-income rural families.....	14237
Specific gravity, Arizona Gambel oak.....	14325
Specifications, <i>see</i> Government supplies.	
Spectra:	
absorption of atmospheric thermal radiation in 9.6u ozone band region.....	14915
computed, and line parameters for water vapor bands at 2.7u.....	14937
density of radiation scattered by non-equilibrium plasma, calculation valid for all wave numbers.....	13697
distribution of outgoing radiation.....	14617
far ultraviolet rocket spectrophotometer airglow measurements.....	14889
Infrared:	
absorption spectrum of water in its liquid state.....	14918
analysis of gases produced during molten salt electrolysis of metals.....	14758
spectral distribution of shortwave radiation, investigation.....	14920
ultraviolet, upper atmosphere spectroscopy.....	14769
Spectrochemical analysis, <i>see</i> Spectroscopy.	
Spectrography, reentries of Trailblazer IIB, data.....	14880
Spectrometers:	
helium mass, leak detector, use.....	14834
infrared interference, evaluation, test, and calibration.....	14774
mass—	
Oregon State University, duty-free entry report.....	14049
time-of-flight, charge transfer studies, and kinetic analysis.....	13645
time-of-flight ion dissociation in drift tube.....	13637
Wayne State University, duty-free entry, report.....	14049
Spectrophotometers, rocket, airglow measurements in far ultraviolet.....	14880
Spectroscopy:	
method of integral determination of water vapor content in column of atmosphere.....	14919
ultraviolet, of upper atmosphere.....	14769
white cast iron spectrochemical NBS standards preparation.....	14935
Speech, disorders, summary of progress.....	14952
Speed, <i>see</i> Air speed.	
Spheres, aspheric surfaces, lathe converted for grinding.....	14814
Spin (atomic):	
resonance, pentavalent chromium complexes, investigation, USSR study.....	14622
Spinning, cotton, properties, effects of certain harvesting and ginning practices, Yazoo-Mississippi Delta, 1959-60.....	13587
Spodumene, mill tailing, continuous flotation of beryl, from spodumene mill tailing.....	14748
Sponges, ecology of Gulf of Mexico commercial sponges and its relation of fishery.....	14283
Spor Mountain, ore, beryllium solvent extraction.....	14751
Sports, bribery in sporting contests, prohibit schemes, law.....	13866

# INDEX

Entry	Entry
Spraberry, James A., summary of reservoir sediment deposition surveys made in United States through 1960-----	13593
Sprays and spraying, spray distribution patterns from Piper PA-18A airplane flying at 50 feet-----	13566
Spruce, William E., basic data on economy of British Honduras-----	14385
Spurlock, Hughes H., trend and developments in Japan's economy affecting market for U.S. farm products, 1950-62-----	14174
SRDS, <i>see</i> Systems Research and Development Service, FAA.	
Staatz, Mortimer H., geology and mineral deposits of Thomas and Dugway ranges, Juab and Tooele Counties, Utah-----	14341
Stability of aircraft:	
C-130-E, limited category 2 stability and control tests-----	13615
C-135B, limited category 2 tests-----	13616
HH-43B helicopter category 2 stability and control tests-----	13612
Stagnation point, heat transfer measurements in arc-heated subsonic stream, theoretical and experimental, comparison-----	14840
Stainless steel:	
and copper-clad steel, wires, reinforcement for articulated concrete mattresses, galvanic effect-----	14214
fume hood for safety in use of perchloric acid-----	14755
PH 15-7 Mo, axial-load fatigue properties-----	14887
Stall (aircraft):	
stalling and tumbling of radio-controlled parawing airplane model-----	14852
swept wings, characteristics, review-----	14896
La Stampa (periodical):	
indexes-----	14442, 14584
La Stampa sera (periodical):	
indexes-----	14442, 14584
Stamps, <i>see</i> Food stamps—Postage stamps.	
Standards and standardization:	
Federal standards-----	14260
military standards-----	14164
<i>see also</i> Subjects.	
Stannous fluoride:	
solutions, in vitro effectiveness of topical applications of low concentration-----	13647
topically applied in aqueous solution in caries prevention in military population-----	13649
Starks, La., motor carrier accident-----	14404
Starlings, decoy trap-----	14275
Stars:	
bolometric corrections, revised scale-----	13626
sight reduction tables for air navigation-----	14995
supernovae, neutrinos, and neutron stars, final evolution-----	14845
<i>see also</i> Milky way.	
State boards and departments of education, <i>see</i> Educational boards and departments.	
State Department:	
department and foreign service series-----	15095
educational and cultural exchange program, American grantees, 1963, list-----	15096
foreign assistance appropriations, 1965, reports-----	13950, 13952
interagency directory, key contacts for planning and development of educational, cultural, scientific and technical exchange programs-----	15098
security officers, protecting heads of foreign states and other officials, provide authority to arrest without warrant-----	14108
Statement of Federal Home Loan Bank Board on inquiry into mortgage insurance companies-----	14238
States:	
Federal aid, Great River Road, interstate planning and coordination, increase, report-----	14091
Federal aid highway construction act of 1964, report-----	14093
Federal grants, highway program, permission to increase mileage, report-----	14090
government agencies, employment of scientific and technical personnel, 1962-----	14705
hospitals for mental disease, departments dealing with mental health, directory-----	14948
laws and regulations—	
affecting mentally retarded, checklist-----	15067
control of radiation hazards-----	14675
laws, time off for voting-----	14670
library functions, 3d assembly, proceedings-----	14720
minimum wage laws, summary-----	14673
tax revenue, Jan.-Mar. 1964-----	13772
taxation of interstate commerce, report-----	13928
wage payment and collection law, suggested language-----	14683
Static, whistlers observed by Vanguard III, data report-----	14857
Statistical aspects of antisocial behavior of minor in United States-----	13783
Statistical publications, <i>see</i> names of departments, etc., issuing publications.	
Statistics, occupational accidents, international exchange (remarks)-----	14678
<i>see also</i> subjects.	
Statuary, <i>see</i> Sculpture and statuary.	
Statutes, <i>see</i> Law.	
Staylor, Frank W., afterbody pressures on 2-dimensional boat-tailed bodies having turbulent boundary layers-----	14882
Stedman, R. L., flavor contribution of Turkish tobacco in blended cigarettes-----	13571
Steel:	
and alloys austenitic heat resisting welding used in building gas turbines, USSR study-----	14441
reinforcing steel, protection from corrosion-----	14207
special steels and alloys, USSR study-----	14504
<i>see also</i> Stainless steel.	
Steel containers, <i>see</i> Containers.	
Steigelmann, William H., radioisotope shielding design manual-----	13703
Stephens, James G., geology and uranium deposits at Crooks Gap, Fremont County, Wyo.-----	14337
Stephens, Joseph R., interstitial impurities effects on low-temperature tensile properties of tungsten-----	14851
Stewart, Roger B., flow evaluation in arc-heated hypersonic wind tunnel-----	14877

Entry	Entry
Stockpiling, <i>see</i> Strategic materials.	
Stockwell, Homer J., snow survey and soil moisture measurements for Western United States, including Columbia River drainage in Canada-----	15089
Stockwell, Robert P., Spanish basic course, units 31-45-----	15104
Stone, M. K., field experiments for control of cabbage insects-----	13563
Storage:	
civil defense emergency hospitals pre-positioned and training, storage locations-----	15052
structures, use of wood-----	14313
<i>see also</i> names or classes of articles stored.	
Storekeepers, <i>see</i> Aviation storekeeper.	
Stores:	
arrangement and display, bibliography-----	15079
employee earnings in miscellaneous retail stores, June 1962, retail stores and proprietary stores-----	14693
Storr, John F., ecology of Gulf of Mexico commercial sponges and its relation to fishery-----	14283
Story of Jefferson National Forest-----	14334
Strains and stresses:	
axial-load fatigue properties of stainless steel-----	14887
determination of stresses in flexible plates and shells by method of photoelastic coatings-----	14925
finite element solution for thin shells of revolution-----	14768
high-temperature tensile testing in vacuum, apparatus facilities-----	14805
metal fatigue and cyclic stress, USSR study-----	14465
metallic materials and elements for flight vehicular structures, change-----	14162
natural frequencies in coupled bending and torsion of twisted rotating and nonrotating blades-----	14778
tensile properties of tungsten, effects of interstitial impurities-----	14851
Straps, buckle joins web straps quickly, adjusts easily-----	14827
Strasser, Arnold, employer expenditures for selected supplementary compensation practices, etc., meatpacking and processing industries, 1962-----	14706
Strategic materials:	
disposal of cadmium from national stockpile, law-----	13869
disposal of lead from national stockpile-----	13992
hearings-----	13930, 14095
reports-----	13930, 14095
disposal of molybdenum from national stockpile-----	13994
hearing-----	13935, 14094
reports-----	13935, 14094
disposal of pig tin from national stockpile-----	13993
hearings-----	13932, 14097
reports-----	13932, 14097
disposal of zinc from national stockpile-----	13988
hearing-----	13947, 14096
reports-----	13947, 14096
stockpiling of minerals and metals, review, hearings-----	14006
Stratigraphy:	
Matanuska formation in Matanuska Valley, Alaska, reconnaissance-----	14339
Niobrara formation at Pueblo, Colo-----	14344
Streams, <i>see</i> Rivers.	
Streptococcal infections, selected references-----	15043
Stress (psychological), <i>see</i> Tension.	
Stresses (mechanical), <i>see</i> Strains and stresses.	
Strontium, minerals yearbook chapter-----	14765
Stroud, Raymond B., manganese resources of Batesville district, Ark., field investigations, July 1956-June 1961-----	14760
Structural behavior of composite materials-----	14784
Structures, <i>see</i> Strains and stresses.	
Studebaker Corporation, South Bend, Ind., plant closing, report-----	13656
Students:	
higher education, assistance act of 1965, hearings-----	14151
Stulik, R. S., geology and ground water of Luke area, Ariz-----	14356
Subject headings, Armed Services Technical Information Agency, descriptors thesaurus, supp-----	14165
Submarine crews, Thresher, in memorandum, Apr. 10, 1963-----	15016
Subsidies, <i>see</i> names of commodities, industries, etc.	
Suddreth, Jack A., national altitude rocket test facilities-----	14833
Sugar, production in Louisiana-----	13580
Sugar pine, <i>see</i> Pine.	
Sugarcane, culture for sugar production in Louisiana-----	13580
Sulfur, production, etc., 1963-----	14766
Sulfuric acid, current industrial report-----	13759
Sullivan, John J., YAT-STD systems evaluation-----	13619
Sun:	
chromospheric flares, nuclear processes-----	14921
secular perturbations, Helphen's method applicable to long-range effects in motions of celestial bodies-----	14902
Sunrise effects on east-west ionospheric propagation paths-----	13629
Superconductors, hard, evidence of degradation effects in short samples-----	14878
Superheaters, BONUS, boiling nuclear superheater power station final summary design report-----	13707
Supernovae, neutrinos, and neutron stars, final evolution-----	14845
Supersonic flow, <i>see</i> Flow.	
Supervisors, training course, interviewing and counseling-----	15082
Supplies, <i>see</i> Government supplies—Military supplies.	
Supply and demand, organization of material-technical supply and material balances, fundamentals, USSR study-----	14645
Supply catalog, <i>see</i> Federal supply catalog.	
Suprema Court, pages, residence, report-----	14087
Surface water, <i>see</i> Water.	
Surgery, neurological care system, comprehensive restorative therapy and training of personnel USSR articles-----	14634
Surveys, <i>see</i> subjects of surveys.	
Survival, space flight, emergency escape and restraint systems, biomedical research studies, bibliography-----	13732
Survival experience of radium cases-----	13701



# INDEX

	Entry		Entry
Sutton, Doris C., determination of cerium-144 in vegetation and soil	13696	Taxes, <i>see</i> Taxation.	
Swearingen, John J., air loads on man, studies	13726	Taylor, Hobart, jr.: remarks—	
Sweat, <i>see</i> Perspiration.		June 10, 1964	15034
Sweetpotatoes, instant, flakes, household consumers acceptance of	13588	July 10, 1964	15035
Swets, John A., computer-aided learning of sound identification	15003	Teachers:	
Swift, Calvin T., plane electromagnetic waves passing through isotropic inhomogeneous plasma slab	14901	beginning, one year later, report of followup study	14177
Symposiums:		Maine, social security coverage, law	13898
AEC series	13714	Teachers' Day, <i>see</i> National Teachers' Day.	
reactor kinetics and control	13714	Teaching about United Nations in United States, 1960-63, report	14199
rotating and static precision components, proceedings	15009	Teaching machines, scientific conferences on automatic teaching, USSR	14627
Synchros, rotating and static precision components symposium, proceedings	15009	Technical cybernetics	14510
Systems Research and Development Service, FAA, technical reports, abstracts, general distribution, supplement	15132	Technical documentary reports:	
		Air Force Flight Test Center—	13612-623
		Personnel Research Laboratory	13633-635
		School of Aerospace Medicine	13647-651
		Technical information release	14368
		Technical manuals, Army Department	13080-684
		Technical memorandums:	
		National Aeronautics and Space Administration	14833-834
		Waterways Experiment Station	14211
		Technical notes:	
		National Aeronautics and Space Administration	14835-899
		National Bureau of Standards	14939-942
		Technical reports:	
		Army Engineer Research and Development Laboratories	14201
		Army Transportation Research Command	15136-138
		National Aeronautics and Space Administration	14900-905
		Naval Training Device Center	15002-6
		Ohio River Division Laboratories	14207-208
		Systems Research and Development Service, FAA, abstracts, general distribution, supplement	15132
		Waterways Experiment Station	14212-214
		Wright Air Development Division	13652
		Technical research note, Army Personnel Research Office	13685
		Technical research report, Army Personnel Research Office	13687
		Technical translations, National Aeronautics and Space Administration	14906-926
		Technicians, employment in State government agencies, 1962	14705
		Technique simulates effect of reduced gravity	14832
		Technology:	
		changing, implications for training of people (address)	14677
		Communist China, translations	14604, 14608, 14624, 14644
		economic and social implications, current projects, 1963	14987
		exchange program, agreement with USSR	15118
		oil shale, review	14737
		utilization publications, list	14929
		<i>see also</i> subjects.	
		Technology, Automation, and Economic Progress, National Commission on, <i>see</i> National Commission on Technology, Automation, and Economic Progress.	
		Teeth, caries prevention by stannous fluoride topically applied in aqueous solution	13649

Entry	Entry
Teflon, <i>see</i> Polytetrafluoroethylene.	Thermionic converters:
Tektites, Australian, application of theory of tumbling bodies entering planetary atmospheres. 14905	cesium diode, application of study of zero-field electron work function of metal immersed in gas 14886
Telemetry:	cesium vapor, for nuclear applications, research program 14786
systems—	Thermodynamics:
application of integrated circuits 14838	properties of perfluorocyclobutane, real gas 14757
medium-data-rate digital 14859	shock-heated flow parameters, hypersonic, as function of flight velocity and altitude 14900
medium resolution infrared-pulse code modulation, example of microelectronic logic design 14856	Thesaurus of ASTIA descriptors, DDC supplement 14165
Telephone, <i>see</i> Radio telephone.	Thieme, Darius L., African music 14715
Television:	Thorium, prophylactic and protective measures in working with thorium, USSR study 14463
divided or united, some problems in growth (address) 14233	Thorne, H. M., oil-shale technology, review 14737
visual data transmission 13643	Three Rivers, Tex.: Frio River, flood control, authorize survey—
Telluric currents, <i>see</i> Geophysics.	law 13915
Tellurium, oilfield waters, analyzing method 14756	report 14088
Telodrin, persistence on sweet corn as determined by gas chromatography 13564	Thresher (nuclear ship): in memoriam, Apr. 10, 1963 15016
Temperature:	Thrust:
cryogenics, elastomers evaluation for potential use 15017	high, boosters, acoustic efficiency trends 14841
high, magnesium alloys processing, USSR study 14410	vector orientation effects during manual control of lunar landings from synchronous orbit 14853
measurement of free atmosphere taking into account recombination of atoms 14922	Thrustors, electrothermal, noncycrogenic propellants, errata 14848
structures, variable transparency wall regulates temperatures 14811	TIAS series 15107-127
thermophysical physical properties of argon from 0 to 300° K., bibliography 14941	Tides:
Tensile strength, <i>see</i> Strains and stresses.	tables—
Tension, stress, effect on radiosensitivity of rats and effectiveness of radioprotective action of camine, USSR study 14471	central and western Pacific Ocean and Indian Ocean, 1965 13812
Terlin, Rose, job horizons for college women in 1960's 15175	Europe, west coast of Africa and Mediterranean 13813
Terminals (transportation): ammunition loading 14206	Timber, volume in western South Dakota 14320
Terrain, investigation of roughness 15138	Timpanogos Cave National Monument, general information 14980
Terry, James E., parametric study of hypersonic flow fields about blunt-nosed cylinder at zero angle of attack 14875	Tin:
Tertiary period, reef-associated limestones 14340	pig, disposal from national stockpile—
Testing, untestables 14663	hearings 13993
<i>see also</i> names of substances or objects tested.	reports 13932, 14097
Testing apparatus, molecular bounce-back, test device for preventing 14812	Tires, cord and fabrics, current industrial reports 13760
Teton Basin project, construction of Lower Teton division, report 14077	Tissues, structure, properties and pathological changes of elastic structures, current data, USSR study 14593
Texas:	Titanium dioxide, pigment particle size separation 14787
climate of Texas and adjacent Gulf waters 15151	Tobacco: acreage allotments, extend time to file 1964 leases, report 13930
cotton varieties planted in early producing section, 1964 13561	laws enforced by Alcohol and Tobacco Tax Division, guide for law enforcement officers 14366
policemen and firemen under retirement system, coverage under social security, law 13898	production and marketing in Southern Rhodesia, Northern Rhodesia, and Nyasaland 14291
Textiles, civilian industrial technology program 13822	products, prevent double taxation, law 13891
TFE, <i>see</i> Polytetrafluorethylene.	Turkish, flavor contribution in blended cigarettes 13571
Thailand, foreign trade regulations 14378	Tobak, Murray, tumbling bodies entering planetary atmospheres 14905
Thallium, metallic, and its salts, problems of labor hygiene in production, USSR study 14547	Togo, foreign trade regulations 14383
Thawing, soils, trafficability forecasts, pilot study 14211	Tolls, U.S.S. Alabama, permit passage through Panama Canal without toll charges, report 13977
Therapeutics, <i>see</i> Physical therapy.	Toman, Kurt:
Thermal expansion, <i>see</i> Expansion (thermal).	antipodal image of electromagnetic source 13640
Thermal radiation:	central-force laws for elliptic orbit 13636
atmospheric absorption in 9.6 $\mu$ ozone band region 14915	Tomatoes, canned, standards for grades 13562
CO <sub>2</sub> in atmosphere 14916	



# INDEX

	Entry		Entry
Tooele County, Utah, geology and mineral deposits.....	14341	Transplantation (physiology):	
Tornadoes, safety rules.....	15164	bone marrow, state of hemopoietic tissue in acute radiation sickness, USSR study.....	14592
Torsion, <i>see</i> Strains and stresses.		Transponders, communication satellite, traveling wave tube reentrant amplifier serrodyne system.....	14846
Town, Joseph W., cost estimates and optimum conditions for continuous-circuit leaching of mercury.....	14744	Transport airplanes, <i>see</i> Airplanes.	
Towns, <i>see</i> Cities and towns.		Transport equations, <i>see</i> Equations.	
Townsend, Marjorie R., medium-data-rate digital telemetry system.....	14859	Transportation:	
Toxic effect of molds on grain, USSR.....	14523	Communist China, translations.....	14531, 14548, 14641
Toxicology, USSR studies.....	14457	house trailers and mobile dwellings of members of uniformed services, increase allowances, report.....	14117
Tracer studies, application of nuclear techniques to manufacture of high-reliability printed circuit boards.....	13718	industry or public service?.....	14539
Tractors, USSR industrial development, translations.....	14570	lines, Great Lakes system, 1964.....	14210
Trade, <i>see</i> Agricultural products—Commerce.		military departments method of shipping automobiles of Armed Forces personnel to and from Alaska, amend United States code.....	
Trade centers, U.S., show the world, sell the world.....	14371	hearing.....	13989
Trade fairs, <i>see</i> Fairs.		report.....	13943
Trade practices, rules, braided rug industry.....	14261	traffic assignment manual for application with large, high speed computer.....	15073
Trades, <i>see</i> Occupations.		transportation series, Engineer Corps.....	14210
Trading with the enemy act, amend, report.....	13982	urban mass transportation act of 1963, law.....	13913
Traffic:		USSR, translations.....	14460, 14503, 14534
assignment manual for application with large, high speed computer.....	15073	Traps, decoy, blackbirds and starlings.....	14275
deep sea domestic waterborne, 1958-62.....	14400	Travel:	
<i>see also</i> Air traffic.		authorization, Agriculture Committee, House, report.....	13960
Traffic control, <i>see</i> Air traffic.		information and travel tips, passport do's and don'ts.....	15095
Trailblazer, <i>see</i> Rockets.		visit U.S.A., bridge of understanding (address).....	13821
Trailers, house, and mobile dwellings of members of uniformed services, transportation, increase allowances, report.....	14117	Traveling-wave tubes, <i>see</i> Tubes.	
Trails, national forests, construct and maintain, report.....	14103	Trawls and trawling:	
Training:		beam, shrimp and otter trawls, scope ratio depth relationships.....	14268
apprenticeship and training representative, examination, announcement.....	13807	utilization of otter-trawl shrimp vessels in Gulf of Mexico, 1959-61.....	14271
civil defense literature, list.....	15051	Trease, B. David, Spanish basic course, units 46-55.....	15105
methodology, programmed instruction.....	13678	Treasure maps, <i>see</i> Maps and charts.	
personnel in neurosurgical care system, USSR articles.....	14634	Treasury, sale of U.S. obligations directly to Federal reserve banks, extend authority, report.....	14059
program, highway engineering aide.....	14188	Treasury Department:	
retarded girls, experimental programs.....	13785	appropriations, 1965, report.....	14048
<i>see also</i> Education—Naval education—also subjects.		department circulars.....	15139-140
Training schools, <i>see</i> Reformatories.		sale of U.S. obligations directly to Federal reserve banks, extend authority—	
Training villages, <i>see</i> Villages.		hearing.....	13996
Trajectories:		law.....	13893
human free-falling.....	13617	Treaties and other international acts series.....	15107-127
reentry, capability of proportional-type lateral control system in providing aerodynamic heading-angle trajectory control.....	14876	Tree planting, tree planters' notes.....	14335
Tramways, <i>see</i> Cableways.		Trees:	
Tranquilizing drugs, effects on physical work capacity and orthostatic tolerance.....	13736	forest, site preparation, what do you mean?.....	14318
Transducers, hot-wire, cooling method prolongs life.....	14804	nursery products, production and sales, 1962 and 1963.....	15130
Transistors:		Trilobites, fossils in Ordovician tuffs, northeastern Maine.....	14338
low-power transistorized circuit provides staircase waveform.....	14818	Trites, David K., air traffic control specialists, predicting performance.....	13733
transistorized circuits, servicing techniques, guide.....	15001	Troitskiy, V. S., lunar radio emission, physical state and nature of moon's surface.....	14911
Translations, technical, National Aeronautics and Space Administration.....	14906-926	Troops, <i>see</i> Army.	
Transmission of information by extraterrestrial civilizations, USSR.....	14648		



Entry	Entry
Troy, N.Y., occupational wage survey-----	14695
Trucks, <i>see</i> Motortrucks.	
Truman, Harry S., <i>see</i> President of United States.	
Trustees in bankruptcy, powers, amend bankruptcy act, report-----	14079
Trusts (industrial): antitrust laws-----	
investigation, professional boxing, hearings-----	14150
price discrimination legislation, hearings-----	14149
Tsai, Stephen W., structural behavior of composite materials-----	14784
Tubes: composite, vacuum-jacketed tubing replaces bellows in cryogenic systems-----	14806
metal fill, tool facilities sealing-----	14810
traveling wave, re-entrant amplifier serrodyne system-----	14846
Tuffs, <i>see</i> Volcanic ash, tuff, etc.	
Tumors: chemotherapy, USSR study-----	14617
malignant neoplasms, age-adjusted and age-specific death rates, 1960-----	15041
upper respiratory organs, classification, USSR studies-----	14516
USSR studies-----	14521
Tungsten, low temperature tensile properties, effects of interstitial impurities-----	14851
Tunnel diodes, <i>see</i> Diodes.	
Tunnels, vehicular, locate under certain parts of Capitol grounds and Botanic Garden grounds, authorize, report-----	14092
Turbines, gas, steels and alloys used in building, welding operations, USSR study-----	14441
Turkey, foreign trade regulations-----	14376
Turkish tobacco, <i>see</i> Tobacco.	
Turner, Frank, terrain roughness-----	15138
Tussock moths, Douglas-fir, description, control-----	14300
Tuzigoot National Monument, general information-----	14981
Typewriters, <i>see</i> Ribbons for typewriters, etc.	
<b>U</b>	
U.S.S.R., <i>see</i> Union of Soviet Socialist Republics.	
UH-1B, <i>see</i> Helicopters.	
UH-1D, <i>see</i> Helicopters.	
Ultraviolet rays, radiance of earth and its limb-----	14885
Ultraviolet spectrum, <i>see</i> Spectra.	
Umiat oil field, sell crude oil for drilling, mechanical, and heating operations in nearby areas, report-----	13933
Unemployed: eliminate unemployment through education (remarks)-----	14665
merchandising your job talents-----	14200
testing untestables-----	14663
Unemployment insurance, railroad employees, RRB administrative rulings-----	15074
Uniformed services, <i>see</i> Armed Forces.	
Uniforms: Marine Corps regulations, changes-----	14721-722
Reserve officers, maintenance allowance, to combine service in more than one reserve component in computing 4 years of Federal service to qualify, report-----	13942
Union of Soviet Socialist Republics: agriculture-----	
report of 1963 U.S. Agriculture Exchange Delegation-----	14173
translations-----	14572
automatic teaching, scientific conferences-----	14627
biochemistry studies-----	14569
budgetary and financial problems, articles-----	14626
communications, translations-----	14526
consular convention, text, etc-----	14028
consumer goods and domestic trade, translations-----	14651
cotton production, etc., addendum-----	13597
cultural relations, exchanges in scientific, technical, educational, cultural and other fields, agreement-----	15118
economic system-----	
current developments-----	14489, 14639
structure and policy-----	14450, 14533
electric power, translations-----	14427
financial and budgetary problems, articles-----	14626
game waterfowl, reserves at present time and recent past, distribution-----	14464
health-resort science, physiotherapy, and therapeutic physical culture, studies-----	14462
industrial development-----	
automotive industry-----	14493
chemical industry-----	14599, 14631
electrical equipment-----	14652
ferrous metallurgy-----	14491
metalworking equipment-----	14520, 14545
nonferrous metallurgy-----	14507, 14605
regional economy-----	14432, 14458
tractors and agricultural machinery-----	14570
international economic relations-----	14518
irrigation and reclamation discussion-----	14650
medical industry, prospects, tasks and cooperation-----	14511
medicine, translations-----	14567
metallurgy, studies-----	14630
military translations-----	14478, 14486
problems of space biology-----	14628
production costs, reducing-----	14437
programmed instruction and prospects for its introduction-----	14621
religious survival, causes and means for elimination-----	14553
scientific abstracts-----	
biology and medicine-----	14424
chemistry and metallurgy-----	14577
scientists, biographies-----	14418
transportation, translations-----	14460, 14503, 14534
Union Town, N.Y., population, special census-----	13765
Union wages, <i>see</i> Wages.	
United Arab Republic, agricultural commodities, agreement-----	15115
United Federation of Postal Clerks, AFL-CIO, agreement with Post Office Department-----	15026
United Kingdom of Great Britain and Northern Ireland, <i>see</i> Great Britain.	
United Nations: conference on law of the sea, convention on Continental Shelf-----	15114
Food and Agriculture Organization, United States report to FAO on progress made toward purpose of organization-----	14293
teaching about in U.S., 1960-63-----	14199

# INDEX

Entry	Entry
United States:	VBWR, <i>see</i> Reactors (atomic).
NOTE:—For all subjects pertaining to the United States, except its government, general history, and description, <i>see</i> such subjects.	Veal:
becoming a citizen series, our	imports, restrict—
United States-----	hearings-----
designate 1964 and 1965 as period to See the United States, report-----	report-----
United States code, <i>see</i> Codes of law.	trade agreement with, Mexico-----
United States Educational and Cultural Foundation in Liberia, agreement-----	Vegetables:
United States Government organization manual-----	fresh, prices-----
United States Information Agency, report, semiannual-----	harvesting and handling, use of cushioning materials-----
Universal military training and service act, <i>see</i> Military service.	Mexican winter production, survey-----
Unloading and lading:	processed, plants under USDA continuous inspection, list-----
ammunition loading terminals-----	Vegetation, determination of cerium-144-----
loading insert containers and cargo transporters-----	Vehicles, <i>see</i> Aircraft—Spacecraft.
Uota, M., quality and respiration rates in stock flowers treated with benxylaminopurine-----	Velocity, low-cost tape system measures-----
Upper atmosphere, <i>see</i> Atmosphere.	Veneral diseases, education, report-----
Upper Volta, foreign trade regulations-----	Venezuela, market for U.S. products, international commerce supplement-----
Uranium:	Venus (planet):
contributions to geology of uranium (series)-----	atmosphere, exploration by simple capsule-----
deposits, Crooks Gap, Fremont County, Wyo-----	ionosphere, theoretical study-----
miners and millers, cancer mortality patterns, 1950-62-----	Vermont, weather stations, decadal census-----
natural, amount of U-235 isotope in official USAEC values-----	Vervoot, Willem, free-living Copepoda from Ifaluk Atoll in Caroline Islands-----
Uranium isotopes:	Vessels, <i>see</i> Fishing vessels.
U-235-----	Vestnik Akademii Meditsinskikh Nauk SSR (periodical):
amount in natural uranium, official USAEC values-----	translations-----
retained in absolute air filters, non-destructive measurement-----	Veterans:
Urban areas, <i>see</i> Cities and towns.	burial allowances, amend law-----
Urban planning, <i>see</i> Redevelopment (city planning, etc.).	law-----
Urban renewal, <i>see</i> Redevelopment (city planning, etc.).	report-----
USAPRO, <i>see</i> Army Personnel Research Office.	disabled, educational assistance to children, law-----
Using records to reduce accidents, conference workshop (remarks)-----	Medal of Honor recipients hospital, etc., care for nonservice-connected disabilities, hearing-----
USSR, <i>see</i> Union of Soviet Socialist Republics.	miscellaneous bills-----
	hearing-----
	non-service connected pension benefits for all wars, hearings-----
	older American-----
	reemployment rights, legal guide and case digest-----
	social and economic data for former members of Armed Forces, census of population, 1960-----
	<i>see also</i> Life Insurance.
	Veterans Administration:
	appropriations, 1965-----
	law-----
	report-----
	budget, 1965, amendment-----
	national service life insurance—
	disability coverage to age 65-----
	law-----
	report-----
	waliver of premiums upon becoming disabled prior to age 65-----
	law-----
	report-----
	VA pamphlet-----
	Veterans Affairs Committee, House, hearings-----
	Veterans Appeals Board, rules of practice, 1964-----
	Veterans home, Medal of Honor recipients care, hearing-----
	Veterans hospitals, Medal of Honor recipients care, hearing-----
	Veterans' Reemployment Rights Bureau, legal guide and case digest-----
	Veterinarians, and FDA, guardians of animal health-----

## V

V.A., <i>see</i> Veterans Administration.	
VA, <i>see</i> Veterans Administration.	
Vacancy formation in gold under high pressure-----	14894
Vacation pay, <i>see</i> Wages.	
Vacations, farm enterprises in Ohio-----	14168
Vacuum:	
apparatus facilitates high-temperature testing-----	14805
extreme technology and associated clean surface studies-----	14792
Valence, estimation of chemical bond from superfine structure of electronic paramagnetic resonance spectra of manganese-----	14456
Valentine, Ruth E., store arrangement and display-----	15079
Vanguard, <i>see</i> Satellites.	
Vapors, <i>see</i> Water vapor.	
Variable-transparency wall regulates temperatures of structures-----	14811
Vasodilators, effects on physical work capacity and orthostatic tolerance-----	13736

	Entry		Entry
Vibration:		Wages—Continued	
axially symmetric equations of liq-		employer expenditures for supple-	
uid-filled, cylindrical shell.....	14924	mentary practices for produc-	
biomedical research studies, bibli-		tion workers, meatpacking and	
ography.....	13732	processing industries, 1962.....	14706
blasting, instrumentation to re-		fair labor standards act, Puerto	
cord, design requirements.....	14763	Rico, minimum rates.....	15148
flight data of Aerobee 150A sound-		minimum, State laws, summary.....	14673
ing rocket.....	14858	occupational earnings in major la-	
rocket vehicles, localized environ-		bor markets, 1963-64.....	14711
ments, statistical techniques		occupational surveys.....	
for describing.....	14847	Albany-Schenectady-Troy, N.Y.....	14695
transverse, of liquid-filled shells,		Charleston, W. Va.....	14699
equations.....	14923	Charlotte, N. C.....	14697
Vice President of United States, va-		Cincinnati, Ohio-Ky.....	14700
cancies in office, filling, pro-		Milwaukee, Wis.....	14698
posed amendments to Constitu-		Phoenix, Ariz.....	14696
tion, hearings.....	14148	South Bend, Ind.....	14694
Vick, Allen R.:		payment and collection, State law,	
comparisons of experimental free-		suggested language.....	14683
jet boundaries with theoretic-		seafaring wage rates, Atlantic, Gulf	
al results.....	14865	and Pacific districts.....	14726
highly underexpanded free jets		union.....	
impinging upon parallel flat		motortruck drivers and help-	
surface.....	14864	ers.....	14701
Vietnam:		printing industry.....	14702
North—		Wagoner, Joseph K., cancer mortal-	
economy, translations.....	14495,	ity patterns among U.S. ura-	
14535, 14609, 14654		nium miners and millers,	
political and sociological infor-		1950-62.....	15044
mation, translations.....	14492,	Walker, Russell G., celestial back-	
14536, 14558, 14578, 14587		ground radiation, bolometric	
prescription for peace.....	13667	corrections.....	13626
Villages, training, USSR, what they		Walls, variable-transparency wall	
should look like.....	14517	regulates temperatures of	
Visas, see Passports.		structures.....	14811
Vision, see Sight.		Walnut anthracnose.....	14299
Visual data transmission.....	13643	Ware, George M., delta-wing recovery	
Visual perception, see Perception.		device for nonlifting space-	
Vital statistics, data from national		craft.....	14881
health survey.....	15071	Warehouse examiners, examination	
Vocational rehabilitation, see Reha-		announcement.....	13809
bilitation of the disabled.		Warfare, see Atomic warfare.	
Volcanic ash, tuff, etc., fossils in Or-		Warren County, Pa., hydraulic frac-	
dovician tuffs, northeastern		ture treatments in glade and	
Maine.....	14338	Clarendon oil reservoirs.....	14753
Volcanic rocks, see Igneous rocks.		Washington, D.C., see District of	
Volcanoes, Hawaii, Kilauea, 1961		Columbia.....	
eruption.....	14345	Washington State, surface water re-	
Voltagcs, two-step voltage discharge		cords, Oct. 1950-Sept. 1960.....	14354
characteristics of silver-zinc-		Washington State Conference on In-	
cells eliminated with auxiliary		dustrial Modernization, pro-	
silver electrode.....	14826	ceedings, Mar. 31, 1964.....	13745
Volunteer workers, and rural poverty.		Wasson, James A., secondary oil re-	
Vostok, see Satellites.		covery possibilities, Cow Run	
Voting, time off for voting under		sand, Burning Springs pool,	
State laws.....	14670	Wirt County, W. Va.....	14745
		Waste products:	
		disposal, subsurface, industrial	
		wastes in United States.....	14736
		municipal waste facilities in	
		United States, 1962 inventory,	
		statistical summary.....	15068
		Water:	
		delivery to Mexico, special studies	
		geochemistry of natural waters of	
		Blue Grass region, Ky.....	14350
		ground water—	
		Luke area, Maricopa County,	
		Ariz.....	14356
		resources, lower Rio Grande Val-	
		ley area, Tex.....	14348
		interstitial balance in dogs after	
		lethal thermal burn, problem,	
		USSR study.....	14474
		liquid state, infrared absorption	
		spectrum.....	14918
		Pacific Southwest plan, hearings—	
		quality control, storage and re-	
		trieval of data.....	14142
		radium, determination.....	15069
		resources research act, establish	
		centers, etc., report.....	14349
		sanitation facilities for Indians,	
		PHS authority under P.L. 86-	
		121.....	15064



# INDEX

Entry	Entry
Water—Continued	Weather stations—Continued
surface water, United States, compilation of records, Oct. 1950–Sept. 1960.....	decadal census—Continued
water supply papers.....	New England.....
see also Sea water.	Oklahoma.....
Water birds, game waterfowl, reserves in USSR at present time and in recent past distribution.....	North Atlantic Ocean station Delta, 44° N, 41° W, oceanographic observations.....
Water carriers, deep sea domestic waterborne traffic, 1958–62.....	North Atlantic Ocean station Echo, 35° N, 48° W, oceanographic observations.....
Water pollution:	storage-gage, precipitation data for Western United States, July 1962–June 1963.....
control and abatement, national survey, hearings.....	Weaver, Lynn E., reactor kinetics and control.....
municipal waste facilities in United States, 1962 inventory, statistical summary.....	Webster, Clark G., improved nest structures for wood ducks.....
outdoor recreation, policy.....	Weeks, W. F., structural control of vertical variation of strength of sea and salt ice.....
Water vapor:	Weeks, see names of special weeks.
bands, line parameters and computed spectra at 2.70.....	Weevils, white pine, control, evaluating and scheduling in northeast.....
content in column of atmosphere, spectroscopic method of integral determination.....	Weightlessness, biomedical research studies, bibliography.....
high altitude, satellite determination.....	Weirich, Robert L., take-off performance of representative supersonic transport configurations.....
radio-release technique for measurement in gases.....	Welding:
Waterfowl, see Water birds.	austenitic heat resisting steels and alloys used in building gas turbines, USSR study.....
Watersheds, small, stream-gaging stations for research.....	electron beam, in industry, USSR study.....
see also names of rivers, etc.	electronic module fabrication.....
Waterways Experiment Station:	Welfare work, see Social work and problems.
technical memorandums.....	West (U.S.):
technical reports.....	rural nonfarm areas, consumer expenditures and income, 1961.....
Watt, Lois B., Near East and north Africa, Educational Materials Laboratory report.....	snow survey and soil moisture measurements.....
Wave forms, staircase, low-power transistorized circuit provides.....	storage-gage precipitation data, July 1962–June 1963.....
Wave numbers, calculation of spectral density of radiation scattered by non-equilibrium plasma.....	urban places, consumer expenditures and income, 1960–61.....
Waveforms, see Wave forms.	West African Customs Union, foreign trade regulations.....
Waveguides, cryogenic, window sealed with plastic foam.....	West Germany, see Germany.
Wavenumbers, see Wave numbers.	West Virginia:
Waxes, Federal supply catalog, management data list, change.....	natural resources.....
Wayne County, Mo., redevelopment area, opportunities for economic growth.....	Wirt County, Cow Run sand and Burning Springs pool, secondary oil recovery possibilities.....
Wayne State University, mass spectrometers, duty-free entry, report.....	women workers, 1960.....
Ways and Means Committee, House: excise tax structure panel discussion.....	Western Greyhound Lines, wage chronology, 1945–63.....
reports.....	Western States, see West (U.S.).
Weapons:	What a training village should look like, USSR.....
French military and nuclear developments, press reports.....	Wheat, U.S. exports under Government programs, 1962–63.....
nuclear, testing, health aspects.....	Whistling atmospherics, see Static.
systems, rotating and static precision components symposium, proceedings.....	Wholesale prices, see Prices.
Weather, career opportunities, engineers and physicists, weather systems.....	Wichita Mountains Wildlife Refuge, birds, list.....
see also Climate.	Widows and widowers, Foreign Service officers retirement and disability system adjustment, report.....
Weather control, Colorado River basin, increase precipitation, hearing.....	Wild animals, see Animals.
Weather modification, see Weather control.	Wild birds, see Birds.
Weather stations:	Wilderness areas, establish national system, report.....
decadal census—	Wildlife:
California.....	regulations for District of Columbia.....
Idaho.....	wildlife leaflets.....
Michigan.....	Wildlife refuges:
Minnesota.....	national—
Nebraska.....	public use, 1963.....
	system.....
	refuge leaflets.....
	see also names of refuges.

# AUGUST 1964

	Entry
Wilken, A. A., basic data on economy of Nigeria.....	14373
Williams, Henry B., relief.....	13840
Williams, Lloyd R., magnesium.....	14740
Williamson, Malcolm J., burning does not control young hardwoods on shortleaf pine sites in Cumberland Plateau.....	14308
Wind machines, tests as aid to burning slash.....	14324
Wind tunnels, arc-heated hypersonic, flow evaluation.....	14877
Winds:	
air loads on man, studies.....	13726
structure, model for periodic character of winds from 85 to 135 km.....	14767
Wings (aircraft):	
delta:	
recovery device for nonlifting spacecraft, low-subsonic aerodynamic characteristics.....	14881
windward pressures, control-surface interaction effects.....	14867
delta-planform surfaces flutter characteristics, effects of leading-edge sweep at Mach number of 15.4.....	14888
parawing model, radio-controlled, stalling and tumbling.....	14852
parawings, auxiliary lifting devices for supersonic airplane configuration, low-speed longitudinal aerodynamic investigation.....	14879
supersonic, design of camber surfaces with arbitrary planforms, numerical method.....	14874
swept, stall characteristics, review.....	14896
winged shapes in air and helium, hypersonic aerodynamic characteristics.....	14866
Winters, Clyde W., ablation of blunted cylinder-flare configuration.....	14884
Wire:	
hot-wire transducer, cooling method prolongs life.....	14804
stainless and copper-clad steel, as reinforcement for concrete mattresses.....	14214
Wirt County, W. Va., Cow Run sand and Burning Springs pool, secondary oil recovery possibilities.....	14745
Wirtz, W. Willard:	
addresses, etc.—	
Apr. 3, 1963.....	14662
Oct. 23, 1963.....	14666
Feb. 11, 1964.....	14665
July 9, 1964.....	14661
Wisconsin, electric rate book.....	14251
Witzigman, Frederick S., determination of fluvial sediment discharge.....	14363
Wolfbein, Seymour L., address, June 23, 1964.....	14677
Women:	
job holders, significance of research (address).....	15177
job horizons for college women in 1960's.....	15175
legal status—	
Maine.....	15173
North Carolina.....	15174
State labor laws, summaries, North Dakota.....	15176
workers, 1960—	
Maine.....	15178
West Virginia.....	15179
Women's Bureau, bulletins.....	15173-175
Wood, John F., relief.....	13862
Wood, L. E., protection of reinforcing steel.....	14207

	Entry
Wood, Lyman W., wood for use in bulk storage structures.....	14313
Wood:	
oak, identification.....	14312
primary wood industries of Kentucky, utilization summary and directory.....	14307
use in bulk storage structures.....	14313
see also Lumber.	
Wood ducks, improved nest structures.....	14284
Wood preservatives, comparison, stake tests, 1964 progress report.....	14309
Woods, see Wood.	
Wool:	
consumption on woolen and worsted systems, current industrial reports.....	13752
measuring by staple length recorder.....	13590
used in manufacture of polishing felts, provide duty-free entry, law.....	13881
see also Felt.	
Work:	
physical, effects of tranquilizing, analeptic and vasodilating drugs on capacity.....	13736
tolerance, adaptation to high altitudes related to age.....	13735
Workers, see Labor—Women.	
World trade, see Commerce.	
Wright, Grace S., offerings and enrollments in high school subjects.....	14198
Wright, I. J., nuclear techniques application to high-reliability printed circuit boards manufacture.....	13718
Wright Air Development Division, technical report.....	13652
Wright Motor Lines, Inc., accident.....	14405
Wrigley, Ada, programmes d'assurance et garantie de credit applicables aux exportations des Etats Unis.....	13824
Wu, Chang In, relief.....	13854
Wyoming, snow survey measurements, 1919-63.....	15090

## X

X-15 airplane, see Airplanes.	
X-rays, irradiation, influence on microsome oxidase and reductase activity in livers of young male rats.....	13651

## Y

Yaffee, Phillip, integrated system for collecting and analyzing environmental test data.....	14863
Yakima project, Kennelwick division extension, construction, etc., report.....	14050
Yancey, Marion H., jr.:	
C-135B category 2 performance tests.....	13613-614
C-135B limited category 2 stability and control tests.....	13616
Yarn:	
production, 1963, current industrial reports.....	13761
quality, effects of gin drying and cleaning of cotton on fiber length distribution.....	13589
Yat-37D systems evaluation.....	13619
Yazoo River Delta, cotton, fiber and spinning properties, as affected by certain harvesting and ginning practices, 1959-60.....	13587
Young, Earle W., helium mass spectrometer leak detector.....	14834

# INDEX

YOUTH :		Entry	Z		Entry
antisocial behavior of minor in United States, statistical aspects -----		13783	Zener, Margot W., foreign trade regulations of Fed. Rep. of Germany -----		14379
fair labor standards act, message to young workers -----		15147	Zinc: disposal from national stockpile -----		13988
Job Corps, establish -----		14152	hearings -----		14096
hearings -----		14120	reports -----		13947, 14096
report -----		14120	Zirconium, stainless-steel-lined alloy-2, fabrication of full rods, design -----		13695
Yugoslavia, agricultural commodities, agreements -----		15108-109, 15111			



To Superintendent of Documents,  
Government Printing Office,  
Washington, D.C. 20402

For Use of Supt. of Docs.

----- Enclosed -----

To be mailed

----- later -----

### Subscriptions

Refund -----

Coupon refund

Postage \_\_\_\_\_

or additional space use other side.

Total, \$\_\_\_\_\_

PROMPT, ACCURATE SHIPMENT please fill in the following label—Please PRINT or typewrite.

U. S. GOVERNMENT PRINTING OFFICE  
DIVISION OF PUBLIC DOCUMENTS  
WASHINGTON, D.C. 20402

PENALTY FOR PRIVATE USE TO AVOID  
PAYMENT OF POSTAGE, \$300  
(GPO)

**OFFICIAL BUSINESS**

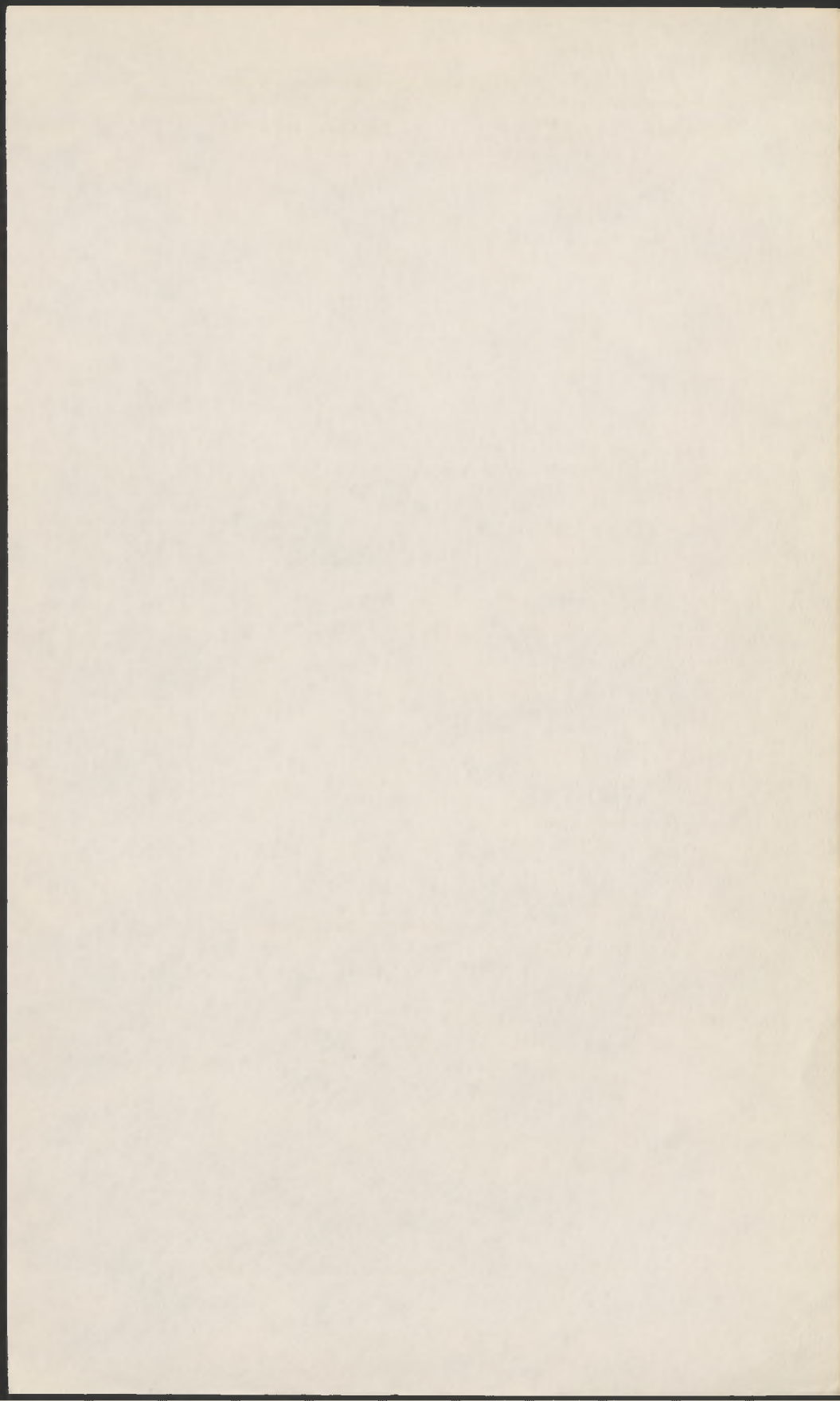
RETURN AFTER FIVE DAYS

Name \_\_\_\_\_

Street Address \_\_\_\_\_

City, State, and Zip Code \_\_\_\_\_







**UNITED STATES  
GOVERNMENT PRINTING OFFICE**

**DIVISION OF PUBLIC DOCUMENTS  
WASHINGTON, D.C. 20402**

---

**OFFICIAL BUSINESS**

**PENALTY FOR PRIVATE USE TO AVOID  
PAYMENT OF POSTAGE, \$300  
(GPO)**