# NEWS and Notes

Clarence Zener, professor of metallurgy at the Institute for the Study of Metals, University of Chicago, is serving as special lecturer and consultant in physical metallurgy in the Department of Mining and Metallurgical Engineering, University of Illinois.

Glenn Ray Noggle, formerly on the staff of Blandy Farm, University of Virginia, has been appointed senior biologist in the Biology Division of the Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Hutton D. Slade, formerly with the Research Division of Wallerstein Co., Inc., and Eugene L. Hess, formerly research associate in the Department of Physical Chemistry, University of Wisconsin, have joined the staff of the Rheumatic Fever Research National Advisory Mental Health Institute at Northwestern University Medical School. Dr. Slade will conogy and metabolism, while Dr. Hess will conduct biophysical studies of tissues.

Benjamin Epstein, formerly at Carnegie Institute of Technology, and Gerald Harrison, lately of Queens College, have been appointed associate professor and assistant professor, respectively, in the Mathematics Department of Wayne University.

Allan G. Douglas, formerly professor of biology at Southwest Missouri State College, has accepted a position in the Biology Department at California State Polytechnic College.

# Visitors to U. S.

W. A. Macfarlane has been loaned

N. Woodward, will return to the from the U.S. Public Health Service, United Kingdom toward the end of \$8,650-kidney function. the year.

Institute of Technology on a grant Invertage," from a \$25,000 fund provided by the American Chemical Society through UNESCO for the purpose of assisting foreign students. Dr. Tai is the fourth student to work under the grant, which was established two years ago.

M. Gerard Dreyfuss, French engineer, is now studying at the Harvard School of Engineering under a fellowship. A graduate of the Ecole Nationale des Ponts et Chaussées, the oldest engineering school in Europe, he is taking up at Harvard the study of soil mechanics and foundations.

#### Grants and Awards

Upon recommendation of Council, the Surgeon General of the Public Health Service has been authorfield of mental health for periods beyond the fiscal year 1949. If approved during the fiscal year 1949, they will constitute a contractual obligation of the Government to forward finance the research projects beyond the present fiscal year. Forward financing of grants to medical schools for undergraduate training in mental hygiene was also authorized, but obligations for both research and training grants must not exceed \$2,300,000. This limit will not permit forward financing of all mental health grants, and some The institutions and individuals to benefit from the new arrangement will Council this month.

The Department of Pharmacology by the Ministry of Fuel and Power to of Baylor University College of the Department of Scientific and In- Medicine, Houston, has obtained dustrial Research for appointment as grants for the following studies: from director of the United Kingdom Scien- the Bilhuber-Knoll Corporation, \$2,250 tific Mission in the British Common- -cardiovascular effects of some ali- dent and technical consultant of the wealth Scientific Office in Washington, phatic amines; from the Lakeside Lab- RCA Laboratories Division, Princeton, D. C. He will also serve as attaché oratories, \$500 and equipment valued New Jersey, has been named winner of for scientific questions in the British at \$1,500—fundamental mechanisms the 1948 gold medal of achievement of Embassy. The present director, F. involved in mercurial diuresis; and the Poor Richard Club in recognition

Marcelle V. Schubert, Triple Cities Li-chi Tai, who is associated with College of Syracuse University, Endithe Iron and Steel Division of the cott, New York, has received a Fred-Chinese National Resources Commis- erick Gardner Cottrell grant of \$1,950 sion, Nanking, is taking a 6-month from the Research Corporation for repostgraduate course at the Carnegie search on "Crystallization of Yeast

> The Alexander Agassiz gold medal and honorarium for 1948 was awarded to Thomas Gordon Thompson at the autumn meeting of the National Academy of Sciences held at the University of California, Berkeley. Dr. Thompson, who is professor of chemistry and director of the Oceanographic Laboratories of the University of Washington, has long been a leader in investigations of the complex chemistry of the ocean and has participated very actively in international oceanographic research. Established by Sir John Murray in 1911, the medal is awarded by the Academy "for original contribution in the science of oceanography to scientific men in any part of the world."

The 1948 Scientific Award of the tinue his studies in bacterial physiol- ized to make grants for research in the Grocery Manufacturers of America has been conferred on George R. Cowgill, professor of nutrition at Yale University. Dr. Cowgill, who received the award during the organization's annual meeting in New York City last month, was cited for "his fundamental contributions to the science of nutrition, particularly his research on the functional role of vitamin B1, his success as a teacher of young biochemists, and his outstanding editorial work for the Journal of Nutrition."

> Brig. Gen. Edgar Erskine Hume will continue under the old system. received the Gorgas Award of Wyeth, Inc., at the recent annual dinner of the Association of Military Surgeons be determined at a meeting of the in San Antonio, Texas. He was cited for halting Naples' wartime typhus epidemic by the first mass-scale use of DDT and for his general advancement of preventive medicine since entering the Medical Corps in 1916.

> > Vladimir K. Zworykin, vice-presi-

of his invention of the electronic scan- ington Hospital, and additional facili- has been put into operation at the ner. He will receive the gold medal ties will be provided by NCI. at ceremonies in Franklin Institute, January 7.

# Colleges and Universities

A \$20,000,000 scientific development program was approved last month by the Committee on Financing Development of the Massachusetts Institute of Technology Corporation. About half of the amount required will be assigned as endowment and unrestricted funds, the balance being invested in new buildings and equipment. Some of the new buildings planned will be laboratories for nuclear science and engineering, metals processing, biology and food technology, hydrodynamics, and electronics.

The Department of Geology and Geography, University of Tennessee, is sponsoring a symposium on the mineral resources of the Southeast which will be held on the Knoxville campus March 3-5, 1949. According to Frank G. Snyder, chairman of the symposium committee, papers on the major metallic and nonmetallic mineral products of the Southeast will be presented by invited speakers.

A joint program of clinical cancer research has been announced by W. A. Bloedorn, dean of George Washington University Medical School, and J. R. Heller, Jr., director of the National Cancer Institute. A committee to develop and direct the new program has been appointed with Roy Hertz, assistant professor of medicine at George Washington and chairman of the Endocrinology Section of NCI, as chairman. The cooperative program, financed from the University's cancer research funds, which come from grants made by NCI, the American Cancer Society, and private sources, will initially devote attention to (1) endocrine and metabolic aspects of cancer of the breast, prostate, uterus, ovaries, and testes, including possible use of hormone therapy; (2) studies in nutritional aspects of cancer of the gastrointestinal tract; and (3) study of metabolic aspects of nitrogen-mustard therapy in lymphoid diseases. A clinical laboratory for these studies has been set up at the new George Wash-

The losses suffered by the Department of Botany at the University of Kentucky on November 12 when fire almost totally destroyed Norwood Hall, in which it was housed, have been reported to Science. The entire herbarium of approximately 30,000 plants and most of the equipment were completely destroyed. An adjoining greenhouse was badly damaged, and most of the plants in it, including several thousand research seedlings, were killed by heat. Wayne C. Hall, Frank T. McFarland, and B. B. McInteer, members of the Botany staff, lost all personal material kept in the building, their collections, and libraries, one of which contained several thousand books. While the office of Herbert P. Riley, head of the Department, was not burned, a number of books in it were damaged by water. Much valuable material was also lost by the Kentucky Geological Survey and the State Department of Mines, which shared the building.

A 20,000,000-volt betatron, now being constructed at the University of Cincinnati from less than \$2,000 worth of war surplus and other materials, will, upon completion early in 1949, be the starting point from which the University will launch a large-scale atomic energy program. When the project was conceived two years ago, Francis Jankowski, graduate student in the Applied Science Research Laboratory of the University, was assigned to drawing the plans. In addition to designing the betatron, he has done much of the actual building under the direction of Walter Soller, head of the Laboratory. To gain additional experience for the assignment, Mr. Jankowski worked in the Argonne National Laboratory, where he developed a method for measuring the intensities of the neutron beams used in atomic energy research. The project was assisted by donations of magnetic iron from a Cincinnati firm and the main vacuum tube from the University of Illinois.

A miniature supersonic wind tunnel, simulating flying conditions of 1,360 mph at an altitude of 80,000, able for general consultation.

University of Washington Aeronautical Laboratory, Seattle. The complete unit, measuring 20' long and 4' high, has a test section of only  $1'' \times 2''$ . It is the first of its size to be designed with an enclosed airstream system, which cleans and drys the air while returning it for reuse, thus making it unnecessary continually to remove moisture from outside air. The tunnel maintains an airstream speed three times the speed of sound, achieving a Mach number of three—or an air-stream velocity three times the speed of sound at -250° F. Modifications will be added to allow tests approximating actual conditions at an altitude of 200,000' with an airstream speed of 2,000 mph.

G. E. Ledbetter, who began work on the tunnel in 1946 as a research fellow, and D. W. Lueck, research engineer of the University Engineering Experiment Station, are in charge of the project. They are now constructing a second tunnel with a  $3'' \times 3''$  test section, which will be completed in January.

# Industrial Laboratories

General Electric's traveling exhibit of electrical measuring devices, called the "Carnival of Measurements," will be viewed in 80 major U.S. industrial cities. Featured in the display is the new GE I-50 watt-hour meter, the rotating disk and shaft of which are suspended in space by the interaction of two tiny magnets. Various other devices include aircraft instruments, photometric devices, telemeters, etc. The tour will be completed in July of next year, when the exhibit may be seen in the New York area.

Kenneth C. D. Hickman, inventor of the modern molecular still used for refining heat-sensitive oils, has entered into an arrangement by which he will divide his time between the Eastman Kodak Company, Rochester, New York, and Arthur D. Little, Inc., Cambridge, Massachusetts. serving on the staff of the latter, he will do research in a field of highvacuum engineering not previously commercially developed and be avail-

# Meetings and Elections

speak on "Problems of Deterioration ing will be open to the public.

The American Anthropological Association, American Folklore Society, and Society for Applied Anthropology will meet at the Royal Ontario Museum of Archaeology and the University of Toronto on December 28-30. General sessions will be devoted to archaeology, personality and culture, acculturation, education, theory, diffusion, language and culture, physical anthropology, and methods. A special meeting, sponsored by the Society for Applied Anthropology and under the chairmanship of G. Gordon Brown, will include the following papers: "Administration of Indians," "Some Experiments  $_{
m in}$ Culture Change," "Causes and Effects of Migration of British Columbia Indians to Washington Berry Fields," and "A Study in the Problems of Re-education in Industry." A panel discussion on "The Adjustment of the Canadian Indian" will follow. Another feature of the meeting will be a symposium on "The Contributions of Community Studies in Anthropology," with Conrad M. Arensberg presiding. Further information may be obtained from the secretary of the Association, D. B. Anthropology, Syracuse University, Syracuse 10, New York.

The American Society for X-Ray and Electron Diffraction (ASXRED) will hold a combined business meeting and scientific session December 16-18 at the Battelle Memorial Institute, Columbus, Ohio. A symposium on attend should communicate with C. M. Radio Noise; (4) Radio Physics. Schwartz, of the Batelle Memorial Institute.

The Optical Society of America operation in scientific radio research, is planning a Symposium on Lu-The Maryland Chapter of the So- minescence as a feature of its winciety of the Sigma Xi will meet at ter meeting to be held in New York 8:00 P.M., December 13, in the Agri- City on March 10-12, 1949. One day culture Building of the University of of the general meeting will be de-Maryland, College Park. Walter N. voted to this symposium. Those work-Ezekiel, head mycologist in charge of ing on luminescence are invited to moisture and fungus proofing, Bureau participate in it, whether or not they of Ordnance, Navy Department, will are members of the Society. Plans for the symposium will be facilitated of Military Equipment." The meet- if those desiring to contribute will communicate as early as possible with Dr. Gorton R. Fonda, Research Laboratory, General Electric Company, Schenectady, New York.

> The Southeastern Branch of the Society of American Bacteriologists held its third biannual meeting October 22 at the University of Georgia, Athens, with representatives from Florida, Alabama, and Georgia attending. Martha J. Johnson, secretary-treasurer, reports that the meeting was called to order by W. C. Burkhart, president of the Branch and head of the Bacteriology Department at the University of Georgia. George H. Boyd, dean of the Graduate School welcomed members and guests. Fourteen papers were presented. banquet held at the Holman Hotel, W. F. Friedewald, chairman of the Department of Bacteriology at Emory University Medical School, spoke on "Virus and Host Cell Relationships."

> The spring meeting will be held in Knoxville, Tennessee, as a joint meeting with the Kentucky-Tennessee Branch, the Association of Southeastern Biologists, and the Southeastern Section of the Botanical Society.

The 8th General Assembly of the Stout, Department of Sociology and International Scientific Radio Union, held in Stockholm, Sweden, July 12-20, was attended by 100 persons. A total of 153 scientific papers had been submitted for the meeting. Most of these were presented by abstract, but some were presented in full, and grouped by topics. These led to lively discussions. The scientific sessions were organized under the Union's "Identification of Materials by Crys- four "Commissions": (1) Radio tallographic Means'' will be a feature Standards and Methods of Measureof the meeting. Those planning to ment; (2) Radio Propagation; (3)

to new plans for international co- Commissions established by this and

including the intercomparison standards for the measurement of field intensity, joint studies of standard sources of radio noise and of radio-frequency power measurement, and researches on interaction of radio waves, tidal phenomena in the ionosphere, tropospheric propagation, and nonlinear oscillations.

The newly elected officers of the Union, for a term of office extending to the next General Assembly, are: president, Sir Edward Appleton (England); vice-presidents, J. H. Dellinger (U.S.A.), B. van der Pol (Holland), H. Sterky (Sweden), R. P. Lejay (France), J. Lugeon (Switzerland), and Col. A. E. Dorsimont (Belgium); treasurer, C. H. Manneback (Belgium); secretary, E. Herbays (Belgium). R. Bureau, head of the French National Radio Laboratory, was made an honorary president of the Union.

The business affairs of the Union were reorganized, largely as a result of recent action taken by UNESCO to participate in financial support of A representative of the Union. UNESCO was in attendance at the General Assembly. The technical Commissions of the Union are to be more active, and certain expenses of their officers in attending meetings will be paid by the Union. Separate English and French versions of all documents, instead of the unsatisfactory polyglot documents of the past, will be issued after this year.

The number of technical Commissions was increased. The Commissions and their chairmen are as follows: Radio Standards and Methods of Measurement — J. H. Dellinger (U.S.A); Tropospheric Radio Propagation—C. R. Burrows (U.S.A.); Ionospheric Radio Propagation-Sir Edward Appleton (England); Terrestrial Radio Noise-H. Norinder (Sweden); Extraterrestrial Radio Noise-D. F. Martyn (Australia); Radio Waves and Circuits, including General Theory and Antennas-B. van der Pol (Holland); and Electronics, including Properties of Matter-G. Lehmann (France).

Representatives of the Union were The work of the Commissions led appointed to serve on three Joint other Unions, all organized under the Milton O. Lee. Dr. Lee is also secreand Terrestrial and Solar Phenom- American Physiological Society. ena. The members from the United States are, respectively, N. Smith, C. R. Burrows, and D. H. Menzel.

Members of the American delegation attending the Stockholm meeting were: J. H. Dellinger (chairman of delegation), chairman of U.S.A. National Committee; W. B. Burgess, Naval Research Laboratory; C. R. Burrows, director, College of Engineering, Cornell University; F. T. Davies, chief, Radio Propagation Laboratory, Ottawa, Canada; K. R. Eldredge, Office of Naval Attaché, London; Lt. Col. C. W. Janes, U.S.A. Signal Corps; K. Lark-Horovitz, head of Physics Department, Purdue University; F. B. Llewellyn, Bell Telephone Laboratories; H. O. Peterson, Riverhead Laboratory, Radio Corporation of America; P. F. Siling, Engineer in Charge, RCA Frequency Bureau; and Newbern Smith, Central Radio Propagation Laboratory, National Bureau of Standards.

The next General Assembly will be held in Switzerland, probably in Zurich, in 1950. (J. H. DELLINGER, Chairman, U.S.A. National Commit-

The American Institute of Chemical Engineers, at its recent annual meeting in New York City, elected the following officers: Francis J. Curtis. of the Monsanto Chemical Company, St. Louis, president; Warren Lee McCabe, of the Flintkote Corporation, vice-president; and, as directors, H. D. Wilde, Humble Oil and Refining Company; Paul D. V. Manning, of the International Mineral and Chemical Corporation; Donald B. Keyes, of the Heyden Chemical Corporation; and Irvin L. Murray, of Carbide and Carbon Chemicals Corporation.

# **NRC News**

Ralph E. Cleland, head of the Department of Botany, University of Paleontological Society, and Society of shows resemblance to the oldest Eskimo Indiana, has been appointed chairman Vertebrate Paleontology of the Division of Biology and Agriculture. New executive secretary of the National Academy of Sciences, migrants from Asia. The village on the Division and also of the American Washington, D. C., as soon as an Frobisher Bay has not been precisely

International Council of Scientific tary of the Federation of American Unions. The Joint Commissions are Societies for Experimental Biology as on: Ionosphere, Radio-Meteorology, well as executive secretary of the

> An American Geological Institute, comprising 11 national societies with a combined membership of more than speech disorders, died November 17 in 10,000 professional geologists, has been organized to direct the talents of the profession into more effective channels of national service. The Institute will pathology at the College of Physicians be sponsored by the National Research The first meeting of the directors, named by the affiliated societies, was held November 15-16 in Washington, D. C., to initiate immediate action in speeding the discovery of additional reserves of scarce materials, the detailed geologic mapping of the United States, greater recognition and use of geologists and the geologic sciences in governmental agencies and the armed services, the training of more geologists in colleges and universities to overcome the present critical shortage within the mineral industries, the improvement of educational standards in the geologic sciences, more effective dissemination of geologic research information, and greater public understanding and appreciation of the role of geology in modern civilization.

son, of the U.S. Geological Survey, culture, which is thought to have ori-Washington, D. C., secretary-treasurer. ginated in Alaska and spread eastlogical Society of America, American 800 years ago. Some found on Baffin Association of Petroleum Geologists, Island are almost identical to those of American Institute of Mining and the same period in Alaska, indicating Metallurgical Engineers, American that the migration may have have oc-Geophysical Union, Mineralogical So- curred over a short period of time, ciety of America, Society of Economic possibly only one generation. Under-Geologists, Society of Exploration lying and mixed with these, however, Geophysicists, Society of Economic were found a number of small, deli-Paleontologists Seismological Society of America, to the Dorset culture.

Institute of Biological Sciences is executive secretary has been appointed. dated, but it certainly preceded the

### Deaths

Arthur J. Wilson, 64, head of the Chemistry Department, North Carolina State College, died November 11 in Raleigh, North Carolina, as the result of a heart attack.

Samuel T. Orton, 69, authority on St. Francis Hospital, Poughkeepsie, New York. He had recently retired as professor of neurology and neuroand Surgeons, Columbia University.

John E. Goodwin, 73, head librarian, University of California at Los Angeles, died November 18 in Santa Monica, California.

Excavation of a prehistoric Eskimo village on the shores of Frobisher Bay, Baffin Island, in the Canadian Arctic, has yielded artifacts of two ancient cultures. The archaeological stury was undertaken this summer by Henry B. Collins, Jr., of the Smithsonian Institution, and Colin Thacker, of the National Museum of Canada (see Science, July 9, p. 36). The village consisted of one-room houses of stone and whalebone built in excavations about two or three feet deep with roofs above the surface. Officers of the new Institute are: A. The houses were entered by subter-I. Levorsen, dean of the School of ranean passageways. One of the dwel-Mineral Sciences, Stanford University, lings, showing the stones of the paspresident; Wm. B. Heroy, consulting sageway in the foreground, is pictured geologist and geophysicist of Dallas, on this week's cover. Most of the Texas, vice-president; and Earl Inger- artifacts were typical of the Thule The member societies include the Geo- ward along the Arctic coasts about and Mineralogists, cately carved implements which belong artifacts found in Alaska which may Headquarters will be established at have been the work of the earliest

culture found there by Martin Frobi- tending the scope of classes at little sher, the 16th-century explorer, who cost. found the Baffin Island Eskimo already using iron.

emy of Sciences recently opened a sortments through CARE—the Holiday campaign for a \$1,000,000 fund to Package (\$15), including a whole finance the construction and mainten- turkey and other foods sufficient for a ance of a permanent Academy building dinner for 12, and the Standard Food and science center in New York City. Package (\$10), recently revised to con-According to its president, Harden F. tain more meats, fats, and sweets. The Taylor, the organization's present ac- former may be sent to Austria, Belcommodations in the American Mu-gium, Czechoslovakia, Finland, France, seum of Natural History are inade- Germany (American, British, French quate for its conference and publica- Zones and all of Berlin), Great Brition activities. In the last 11 years, tain (Scotland, Wales, and northern membership in the Academy has grown Ireland), Greece, Italy, Hungary, the from 324 to 4,000. The organization Netherlands, and Poland; the second plans to spend \$500,000 to purchase package may be sent to all of these and recondition a centrally located countries with the exception of Poland, building and \$500,000 to expand its Great Britain, Greece, and Italy. program into the fields of astrophysics, There will be an additional charge for mathematics, experimental medicine, packages sent to Berlin during the and public health.

in Devastated Countries," an illus- viously mentioned and Japan, Okintrated booklet recently published by awa, and Korea. Orders may be ad-UNESCO, is now being distributed dressed to CARE, 50 Broad Street, free to schools in Greece, Poland, New York City, or to local CARE Czechoslovakia, Italy, China, and the Philippines. Its author, who is science master at the City of London School and member of  $2\frac{1}{2} \times 4$  cm, believed to be the largest the Royal Society Committee for Co- ever grown, has been produced by operation with UNESCO, explains how Joseph M. Ashcroft and A. Smakula science teaching can be begun without at the Engineer Research and Developapparatus and then how equipment for ment Laboratories, Fort Belvoir, Virexperiments in astronomy, meteorol- ginia. This was done by lowering a ogy can be improvised from easily a temperature gradient, in a specially cluded on laboratory directions, charts, mercially. and logarithm tables, and mention is made of the use of visual aids in science teaching and recently developed laboratory materials. The most outstanding feature of the booklet, however, is the great number of concise diagrams accompanying the text. It has been suggested by UNESCO that teachers in more fortunate countries may find the booklet useful for ex- December 26-30, Chicago, Illinois.

Scientists wishing to send Christmas gifts of food to colleagues The 131-year-old New York Acad- abroad may now select two new asblockade. Assortments of food designed to meet specific national tastes "Suggestions for Science Teachers are also available for all countries pre-Austria, Hungary, outlets in major cities.

A lead chloride crystal measuring ogy, measurement, heat, light, magne- melt of purified commercial lead chlortism, electricity, chemistry, and biol- ide crystals in a glass crucible through obtainable materials. In the Intro- designed furnace, at the rate of only duction the author emphasizes that 1.2 cm/day. This procedure was necesthe improvisations should not be con- sary to grow a single crystal instead sidered makeshifts, but that they and of a mass of small crystals. The crystheir construction are in the best tal will be subjected to optical and tradition of science and science teach- other physical tests impossible with ing. Several useful sections are in- the minute crystals available com-

# Make Plans for—

Symposium on the Pathogenesis and Pathology of Viral Infections, December 14-15, New York Academy of Medicine, 2 East 103rd Street, New York City.

Mycological Society of America,

Botanical Society of America, Inc., December 27-30, Stevens Hotel, Chicago, Illinois.

National Science Teachers Association, December 27-30, Washington,

American Society of Plant Physiologists, December 27-31, Chicago,

7th Pacific Science Congress, February 2-8, Auckland New Zealand; February 16-22, Christchurch,

# Recently Received:

Blumea (Tijdschrift voor de Systematiek en de Geografie der Planten)a journal of plant taxonomy and plant geography. Vol. VI, No. 1, pp. 1-336. Published by the Rijksherbarium, Leiden, Holland.

Collected papers of the Institute of Medical and Veterinary Science, Adelaide, South Australia, 1944-47, Vol. 3.

News Bulletin of the Institute of International Education, 2 West 45th Street, New York City 19.

Ultrafax: a high-speed radio com-Descriptive munication system. pamphlet issued by the Radio Corporation of America, 30 Rockefeller Plaza, New York City 20.

Statlab Review, a publication of the Statistical Laboratory, Iowa State College, Ames.

Bibionidae, by D. Elmo Hardy. (Ruwenzori Expedition, 1934-35, Vol. 1, No. 6.) London: British Museum of Natural History, 1948.

Journal of the New York Botanical Garden, November 1948.

An analysis of the real cost of TVA power, by C. J. Green. Published by the Natural Resources Department, U. S. Chamber of Commerce, Washington 6, D. C.

Annual Report of the Statistical Laboratory, Iowa State College (1947-48).

Guarding our wildlife resources, by Rachel L. Carson. (Conservation in Action, No. 5, illustrated.) Washington, D. C.: U. S. Government Printing Office, 1948. \$.30.