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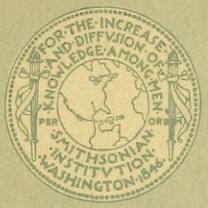
United States National Museum

1955 ANNUAL REPORT



The United States National Museum

Annual Report for the Year Ended June 30, 1955

SMITHSONIAN INSTITUTION

United States National Museum,
Under Direction of the Smithsonian Institution,
Washington, D. C., October 15, 1955.

Sirs: I have the honor to submit herewith a report upon the present condition of the United States National Museum and upon the work accomplished in its various departments during the fiscal year ended June 30, 1955.

Very respectfully,

Remington Kellogg,
Director, U. S. National Museum.

Dr. Leonard Carmichael,
Secretary, Smithsonian Institution.

June 30, 1955

Scientific Staff

Director: Remington Kellogg

J. E. Anglim, exhibits specialist; T. G. Baker, Don H. Berkebile, R. O. Hower, Benjamin Lawless, W. T. Marinetti, Edward W. Normandin, Jr., M. M. Pearson, George Stuart, exhibits workers

Department of Anthropology: Frank M. Setzler, head curator

A. J. Andrews, exhibits preparator

ARCHEOLOGY: Waldo R. Wedel, curator
Clifford Evans, Jr., associate curator
G. S. Metcalf, museum aide

PHYSICAL ANTHROPOLOGY: T. Dale Stewart, curator
M. T. Newman, associate curator

ETHNOLOGY: H. W. Kreiger, curator
J. C. Ewers, associate curator
C. M. Watkins, associate curator
R. A. Elder, Jr., assistant curator

Department of Zoology: Waldo L. Schmitt, head curator

W. L. Brown, chief exhibits preparator; C. R. Aschemeier, W. M. Perrygo, E. G. Laybourne, C. S. East, J. D. Biggs, exhibits preparators; Mrs. Aime M. Awl, scientific illustrator

MAMMALS:
D. H. Johnson, acting curator
H. W. Setzer, associate curator
Charles O. Handley, Jr., associate curator
J. W. Paradiso, museum aide

BIRDS: Herbert Friedmann, curator
H. G. Deignan, associate curator
G. M. Bond, museum aide

REPTILES AND AMPHIBIANS:
Doris M. Cochran, associate curator

FISHES: Leonard P. Schultz, curator
E. A. Lachner, associate curator
Robert H. Kanazawa, museum aide

INSECTS: J. F. Gates Clarke, curator
O. L. Cartwright, associate curator
W. D. Field, associate curator
Grace E. Glance, associate curator
Sophy Parfin, junior entomologist

MARINE INVERTEBRATES: F. A. Chace, Jr., curator
Frederick M. Bayer, associate curator
T. E. Bowman, associate curator
Mrs. L. W. Peterson, museum aide

MOLLUSKS: Harald A. Rehder, curator
Joseph P. E. Morrison, associate curator
W. J. Byas, museum aide

Department of Botany: Jason R. Swallen, head curator

PHANEROGAMS: A. C. Smith, curator
Lyman B. Smith, associate curator
E. C. Leonard, associate curator
E. H. Walker, associate curator
Velva E. Rudd, associate curator

FERNS: C. V. Morton, curator

GRASSES:
Ernest R. Sohns, associate curator

CRYPTOGAMS: C. V. Morton, acting curator
Paul S. Conger, associate curator

Department of Geology: W. F. Foshag, head curator

J. H. Benn, museum geologist; L. B. Isham, scientific illustrator

MINERALOGY AND PETROLOGY: W. F. Foshag, acting curator
E. P. Henderson, associate curator
G. S. Switzer, associate curator
F. E. Holden, physical science aide

VERTEBRATE PALEONTOLOGY: C. L. Gazin, curator
D. H. Dunkle, associate curator
F. L. Pearce, exhibits worker
G. D. Guadagni, exhibits worker
F. Q. Griffith, III, exhibits worker

INVERTEBRATE PALEONTOLOGY AND PALEOBOTANY: Gustav A. Cooper, curator
A. R. Loeblich, Jr., associate curator
David Nicol, associate curator
R. J. Main, Jr., museum aide
V. M. Gabbert, museum aide

Department of Engineering and Industries: Frank A. Taylor, head curator

ENGINEERING: R. P. Multhauf, curator; in charge of Sections of Civil and Mechanical Engineering, and Physical Sciences and Measurements, and Tools
K. M. Perry, associate curator, Sections of Electricity and Marine Transportation
S. H. Oliver, associate curator, Sections of Land Transportation and Horology
William E. Bridges, museum aide

MEDICINE AND PUBLIC HEALTH:
George B. Griffenhagen, associate curator
Alvin E. Goins, museum aide

CRAFTS AND INDUSTRIES: W. N. Watkins, curator; in charge of Section of Wood Technology
Edward C. Kendall, associate curator, Sections of Manufactures and Agricultural Industries
Grace L. Rogers, assistant curator, Section of Textiles
E. A. Avery, museum aide

GRAPHIC ARTS: J. Kainen, curator
A. J. Wedderburn, Jr., associate curator; Section of Photography
J. Harry Phillips, Jr., museum aide

Department of History: Mendel L. Peterson, acting head curator

MILITARY AND NAVAL HISTORY:
Mendel L. Peterson, curator
J. Russell Sirlouis, assistant curator
Craddock R. Goins, Jr., junior historian

NUMISMATICS:
S. M. Mosher, associate curator

CIVIL HISTORY:
Margaret W. Brown, associate curator
F. E. Klapthor, museum aide

PHILATELY:
Franklin R. Bruns, Jr., associate curator

Honorary Scientific Staff

Smithsonian fellows, collaborators, associates, custodians of collections, and honorary curators

Anthropology

Mrs. Arthur M. Greenwood, Anthropology
Neil M. Judd, Anthropology
Betty J. Meggers, Archeology
W. W. Taylor, Jr., Anthropology
W. J. Tobin, Physical Anthropology

Zoology

Paul Bartsch, Mollusks
A. G. Böving, Zoology
L. L. Buchanan, Coleoptera
M. A. Carriker, Insects
R. S. Clark, Zoology
Robert A. Cushman, Hymenoptera
Max M. Ellis, Marine Invertebrates
D. C. Graham, Biology
Charles T. Greene, Diptera
A. Brazier Howell, Mammals
W. L. Jellison, Insects
W. M. Mann, Hymenoptera
W. B. Marshall, Zoology
Gerrit S. Miller, Jr., Mammals
J. Percy Moore, Marine Invertebrates
C. F. W. Muesebeck, Insects
Theodore S. Palmer, Zoology
Benjamin Schwartz, Helminthology
Mrs. Harriet Richardson Searle, Marine Invertebrates
C. R. Shoemaker, Zoology
R. E. Snodgrass, Insects
Alexander Wetmore, Birds
Mrs. Mildred Stratton Wilson, Copepod Crustacea

Botany

Agnes Chase, Grasses
E. P. Killip, Phanerogams
F. A. McClure, Grasses
John A. Stevenson, Fungi

Geology

R. S. Bassler, Paleontology
Roland W. Brown, Paleobotany
Preston Cloud, Invertebrate Paleontology
Frank L. Hess, Mineralogy and Petrology
J. Brookes Knight, Invertebrate Paleontology
Helen N. Loeblich, Invertebrate Paleontology
S. H. Perry, Mineralogy
J. B. Reeside, Jr., Invertebrate Paleontology
W. T. Schaller, Mineralogy

Engineering and Industries

F. L. Lewton, Crafts and Industries

Annual Report of

the Director

United States National Museum

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Introduction

On June 8, 1955, during the first session of the 84th Congress, the House of Representatives on the recommendation of the Committee on Public Works passed a bill (H. R. 6410) authorizing the construction of a building for a Museum of History and Technology for the Smithsonian Institution at a cost not to exceed $36,000,000, including the preparation of plans and specifications, and all other work incidental thereto. Following a favorable report by the Committee on Public Works of the Senate of the United States, the same bill passed the Senate by unanimous consent on June 17, 1955. The President of the United States on June 28, 1955, approved the Act of Congress (Public Law 106) which authorizes and directs the Regents of the Smithsonian Institution to plan and construct this museum building. In this building will be housed the collections now displayed in the Arts and Industries building of the United States National Museum.

Funds Allotted

From the funds appropriated by Congress to carry on the operations of the Smithsonian Institution and its bureaus during the fiscal year 1955, the sum of $1,136,016 was allotted to the United States National Museum for the preservation, increase, and study of the national collections of anthropological, zoological, botanical, and geological collections, as well as materials illustrative of engineering, industry, graphic arts and history (this amount includes sums expended for the program of exhibits modernization).

Exhibits

The program of modernizing exhibits, initiated during the preceding year, was continued in 1955 by a Congressional allotment of $360,000. Contracts were awarded and work commenced on the North American mammal and the bird halls and construction was started on the cultural history (the colonial tradition in America) and the power machinery halls.

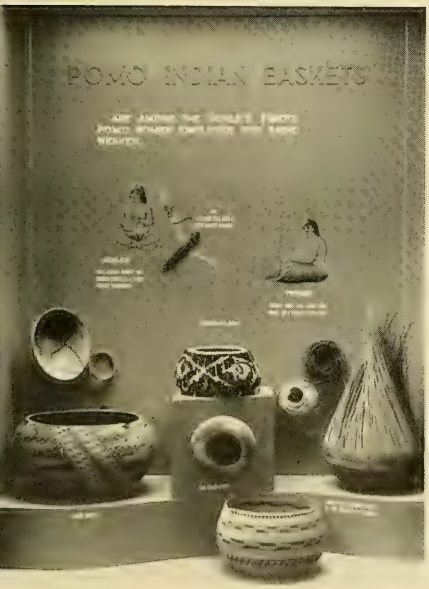
Anthropology

On the evening of June 2, 1955, President William M. Milliken of the American Association of Museums and Secretary Leonard Carmichael of the Smithsonian Institution formally opened to the public the newly modernized American Indian hall in a ceremony scheduled as part of the program of the 50th anniversary meeting of the Association. The ethnographic displays in this hall range geographically from Tierra del Fuego, at the southern tip of South America, through Latin America, to southwestern United States and California. The life-size groups in the displays portray various aspects of the ways of life of these historic Indian cultures and are a legacy from the past, having been designed by the talented artist and former head curator of anthropology, Dr. William H. Holmes. Some were exhibited at the World's Columbian Exposition in Chicago, in 1893. Five miniature dioramas supplement these life-size family groups, and portray (1) the Indians who met Columbus; (2) life in a Yosemite Indian village in the fall of the year, when acorns are being collected; (3) a sacred ceremony in the antelope kiva of the Hopi Indians; (4) terrace farming among the Inca; and (5) a camp scene among the Yahgan Indians, the southernmost people in the world. Wall cases illustrate the basic economy of each culture in terms of food, clothing, shelter, and handicrafts.

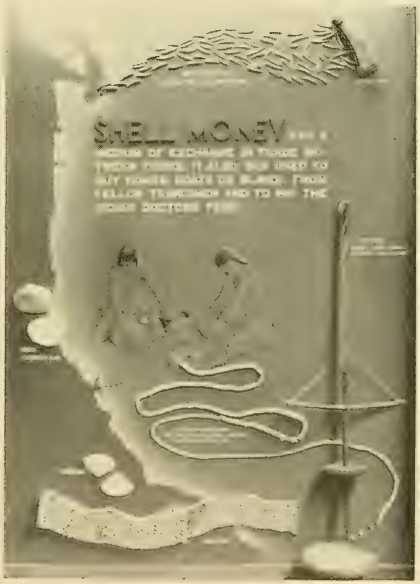
A selection of the 53 displays that comprise this hall are illustrated on the pages that follow. These displays were the product of close cooperation between Associate Curator of Ethnology John C. Ewers, who planned the hall and suggested the case layouts, and the group of artists who designed and installed the exhibits under the creative direction of Exhibits Specialist John E. Anglim. Working with Mr. Anglim were T. G. Baker, R. O. Hower, W. T. Marinetti, E. H. Normandin, Jr., and M. M. Pearson. Three of the dioramas were fashioned by Exhibits Preparator A. Joseph Andrews and two others

Wild seeds, principally acorns, were an important food resource which the Hupa women collected and processed. Men hunted and fished.

CALIFORNIA



Pomo women of northwestern California were noted for making some of the world's most finely woven baskets.



Clamshell beads and dentalia, another shell, took the place of money in trade among the tribes of California Indians.

Around a sand-painting altar in an underground ceremonial chamber, or kiva, members of the Snake and Antelope Societies perform traditional Hopi religious rites. (This is a diorama.)

Carefully painted dolls help the children recognize and name the hundreds of supernatural spirits, or kachinas, revered by their tribe.

PUEBLO

Many changes in style have occurred during the Pueblo's more than 1500 years of pottery-making. These examples are from the late 19th century.

Corn, the most important food of the Pueblo tribes, was cultivated with very simple wooden tools—the hoe, rake, and planting stick.

In their famous snake dance, members of the religious societies ask the rattlesnake spirits to aid them in obtaining rain for their crops.

A Zuni woman, using a brush of yucca fiber, paints designs on her pottery with great skill.

In the Hopi 1-room efficiency apartment the corn-grinding bins and corner fireplace are built in. The family eats and sleeps on the floor.

The Cocopa gained a livelihood in the deserts of Mexico along the lower Colorado River by growing crops in the irrigated river bottoms, hunting small game, and fishing.

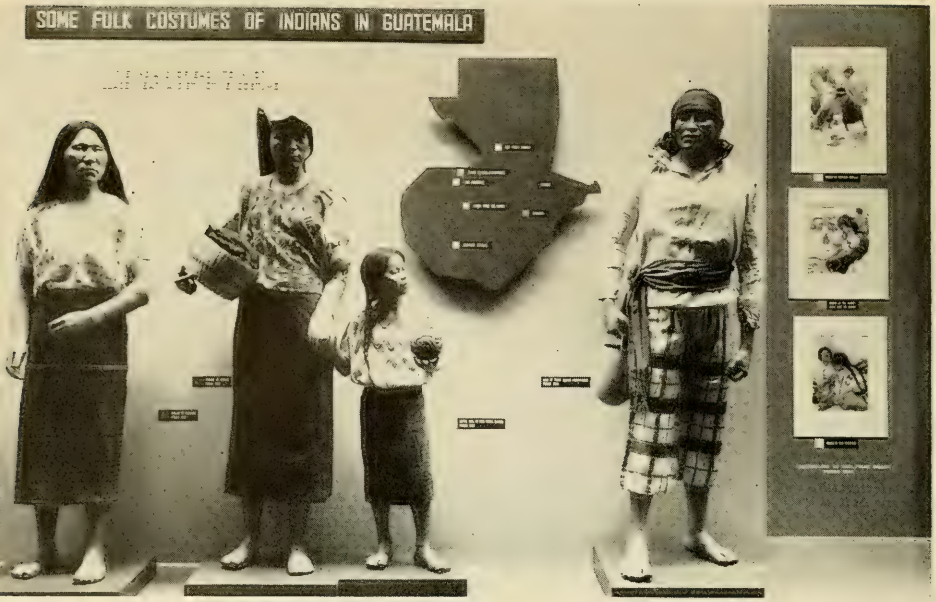
In their preference for buckskin clothing, the Apache resembled neighboring tribes of the Great Plains.

Navaho craftsmen scarcely 100 years ago learned from the Mexicans how to work metal. Today they make beautiful silver ornaments for sale and for their own use.

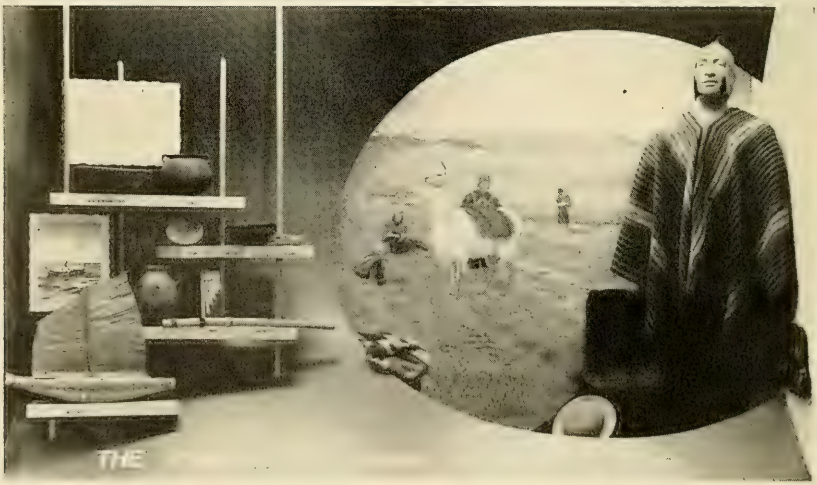
The Apache traditionally wove coiled baskets and also painted and beaded articles of buckskin. Their crafts were like those of the Southwestern and Plains Indians.

In the Mexican-border region the desert-dwelling Pima were skilled potters, basketmakers, and weavers of cotton blankets and belts. The cotton they grew in irrigated fields.

The pelican-skin garment of the Seri from Baja California and the ceremonial body painting of the Mohave from the Lower Colorado illustrate the clothing habits of the desert dwellers.



In highland Guatemala, where live descendants of the Maya, the folk costumes of each village are both colorful and distinctive.



More than 2 miles above sea level, in the neighborhood of Lake Titicaca, the ingenious and sturdy Aymara raise potatoes, the staple food of the Andean highlands.

Basketry fans from modern Mexico illustrate variation in local styles. In design, these fans, which are popular gifts, are remarkably similar to those of fans appearing on ancient Maya paintings.

CIRCUM-CARIBBEAN AND SOUTH AMERICAN RAIN FOREST

The warlike Jivaro are clever hunters with the blow gun, which they use solely to kill game. They are skilled craftsmen in feathers, weaving, and pottery.

Selected objects and photographic color transparencies interpret the basic economy, traditional manufactures, and social life of the Carib and Arawak tribes in the jungles and savannas of the Guianas.

A shrunken head, war trophy of the Jivaro, is contrasted with the outline of a life-sized head.

A diorama recreates in realistic miniature the moment when the Lucayan Indians of the Bahamas in 1492 discovered Columbus' ships on the horizon.

The tribes of Tierra del Fuego are the southernmost people of the world. Contrasted here are the customs of the Yahgan canoemen, who wore few clothes and sought their food by the sea, and the Ona footmen, who hunted the swift-footed llama-like guanaco, their principal source of food, clothing, and shelter.

The horse, introduced by the Spanish, enabled the bola-using Tehuelche to become more effective nomadic hunters on the grasslands of Argentina.

were prepared in the Museum Laboratory of the National Park Service from Mr. Ewers' specifications.

After many months of planning by Associate Curator C. Malcolm Watkins and Chief Exhibits Preparator John E. Anglim, and with the cooperation of Public Buildings Service, construction was begun in Hall 26 on exhibits depicting colonial life in North America. In a series of 50 case exhibits and 6 period rooms household furnishings as well as useful and decorative arts will be displayed to illustrate domestic customs from the earliest settlements along the Atlantic Coast to about 1830. Two of the latter will be ground floor rooms of the complete 2-story 17th-century house from Everett, Mass., the gift of Dr. and Mrs. Arthur M. Greenwood of Marlboro, Mass.

An instructive exhibit, "Folk Pottery of Early New England," was installed in an alcove of the ground floor foyer of the Natural History Building by Mr. Watkins and the exhibits preparators. The redware and stoneware there displayed were selected from the gift collection of Mrs. Lura Woodside Watkins.

The drama of the buffalo-hunting Plains Indian, the warfare he waged in defense of his way of life, and the coming of the frontier—these historical incidents provided themes for special exhibitions in which the U. S. National Museum participated. Paintings and drawings of Indian subjects made by such early 19th century American artists as George Catlin, John Mix Stanley, Charles Bird King, H. Stieffel, and Gustavus Sohon, were lent to various museums and galleries throughout the United States.

Owing to its unique character and outstanding interest a figurine of wood, basketry, and cloth from the central coast of Peru, dated about A. D. 1100, was installed in a special case at the south end of the hall, "Highlights of Latin American Archeology."

During June 1955, a display of casts illustrating skeletal age changes in young American males was installed among the semipublic exhibits maintained in the third-floor corridors of the Natural History Building. A temporary exhibit, "The Sickle Cell Disease in Man," developed by Associate Curator Marshall T. Newman in collaboration with the Armed Forces Institute of Pathology, was shown at the annual meeting of the National Academy of Sciences on April 25, 1955.

Zoology

During the year the exhibits staff of the department of zoology completed the installation of the puma, Alaska wolf, pronghorn antelope, and Virginia deer in the recently constructed habitat units. For the bison group in this North American mammal hall, the Fish and Wildlife Service provided three animals from the National Bison Range. Chief Exhibits Preparator W. L. Brown made a trip to

Amidon and Bismarck, N. Dak., and to the Bison Range at Moiese, Mont., for habitat photographs, background accessories, and related materials.

In the bird hall work was completed on all construction. Also completed was one habitat group, depicting the bird life of the Antarctic, in which five emperor and three Adelie penguins, a skua, a kelp gull, and a snow petrel are shown. The paintings on the backgrounds of display units for the hoatzin, Carolina parakeet, bower bird, honey-guide, and palm chat were essentially finished at the close of the fiscal year. The paintings of flying birds for the ceiling of this hall were completed and the installation of some exhibits was commenced.

Notable among a special series of small exhibits of insects placed on display in the foyer of the Natural History Building was an exhibit of Morpho butterflies showing sexual dimorphism and the contrast between physical and chemical coloration.

Geology

Planning for the modernization of the geological exhibits has been resumed. The general plans and layouts of the halls for minerals, invertebrate fossils, and the lower vertebrate fossils have been determined. Associate Curator David H. Dunkle and Exhibits Worker G. Donald Guadagni were in the field during the last five weeks of the fiscal year searching the Cretaceous chalk beds of Kansas for fossil fish needed to complete the exhibition series. Curator G. A. Cooper of the division of invertebrate paleontology and paleobotany visited the University of Michigan and the Chicago Museum of Natural History for consultations regarding installation of proposed restorations of fossil life in the hall of fossil invertebrates. Preparation of the giant ground sloth material from Panamá has been completed and two skeletons have been assembled for mounting and installation in the exhibition hall.

Engineering and Industries

The detailed planning of the power machinery hall was completed during the year, the plans and specifications were reviewed, and the preparation of exhibits for installation was in progress. The exhibits in this hall illustrate the development of power machinery by means of original machines, models, and graphic devices. Several new models of pioneer power machines were constructed by Donald H. Berkebile, modelmaker, in the exhibits workshop. The actual construction of this hall will start shortly after the close of this fiscal year. Both the hall of horse-drawn and locomotive transportation, which was painted under the buildings renovation program, and the

boat hall have been greatly improved by the installation of fluorescent lighting. In order to improve the display of instruments in the metrology section, all but the more significant have been put in storage. New exhibits on the development of the balance and the early instruments of astronomy and surveying are now complete.

In the hall of textiles eight new exhibits were installed and four were renovated. A noteworthy new one traces asbestos from early superstitious use to modern times, and another, "American Cotton Before Columbus," features important early Peruvian fabrics. An exhibit on hand spinning, one on machine spinning, and four on the development of the loom through fly-shuttle weaving were completed.

In the section of manufactures an addition was made to the Fessenden exhibit of plant and insect specimens preserved in plastic. The tire exhibit and opposite cases were repainted to harmonize with the recently painted south hall, and the appearance of the south hall gallery was further improved by a rearrangement of cases, the repainting of two wall cases, and the renovation of the sealskin exhibit. A new exhibit of patent models of harrows, arranged against a large photomural background of a harrow in use, was installed. The planter exhibit was moved to a lighted case, enlarged, and relabeled.

An outline of the plans for the hall of health was circulated to professionally interested individuals and institutions for comment. The theme of this hall will be man's knowledge of his body then and now, a comparison of old and present ideas and knowledge of the human body.

Exhibits designed and constructed in the division of medicine and public health during the past year include an introductory exhibit, pointing out the highlights of the gallery of medical history, and presenting a brief historical orientation to medical science; "A Telegram From Your Heart," showing the historical evolution of the electrocardiograph, and featuring Dr. Frank Wilson's original electrocardiograph; an 1875 dental office containing the significant office equipment of Dr. G. V. Black, pioneer in dental education; "Hearing Aids, from Cupped Hand to Transistor," tracing the development of the hearing aid; "Mortar and Pestle, Symbol of Pharmacy," showing the chronological development of the mortar and pestle from the stone mortar to the Wedgwood mortar; "The Pharmaceutical Balance," tracing the evolution of the balances used in pharmacy; "Percolation," describing the historical devolpment of this important pharmaceutical process; "Compressed Tablets vs. Handmade Pills," tracing the evolution of the pill machine and the tablet press; "Milestones in Cardiology," a portrait exhibit of pioneers of cardiology; "Sculpture Portraits of Medical Greats," featuring ten plaques by sculptress Doris Appel; "Suppository Mold: Past and Present," an exhibit showing

the evolution of the suppository mold from paper cone to compression mold; an exhibit featuring the William R. Warner original pill-coating pan and pitcher, used for sugar-coating pills; an exhibit featuring the original Scherer gelatin capsulating machine; "Prescriptions Around the World," a collection of medical prescriptions from the far corners of the globe; and an exhibit of apothecary show globes of the late 19th century.

Exhibits prepared by donors, with the guidance of the associate curator of the division, and installed in the division of medicine and public health during the past year, include "The Dodrill-GMR Mechanical Heart," presented by General Motors Research Laboratories; "Allergies," featuring an animated step-by-step demonstration of typical allergic reactions, presented by Ciba Pharmaceutical Products, Inc.; "Binding up a Wound," an exhibit presented by Johnson and Johnson to show the evolution of surgical dressings and featuring a Peruvian skull, some 1,500 years old, on which ancient cotton gauze is held in place by several strands of strong llama-hair cord; "Take Away That Bitter Taste," tracing the evolution of flavoring medicines, presented by Dodge and Olcott, Inc.; "Your Height and Weight," contributed by the American Medical Association; "The Story of the Ampoule," presented by Parke, Davis Company; and "The Evolution of Medical Illustrating," contrasting early anatomical illustrations and present day medical illustrations, lent by artist Paul Peck of Sudler and Hennessey, Inc. In addition Eli Lilly completely refurbished their exhibit, "Insulin and Diabetes."

In cooperation with the American Institute of the History of Pharmacy, the division of medicine and public health sponsored a pictorial exhibit tracing the evolution of the drug store at the 75th anniversary meeting of the Wisconsin Pharmaceutical Association, in Madison, Wisc.

Jacob Kainen, curator of the division of graphic arts, and J. Harry Phillips, Jr., museum aide, began a complete revision of the exhibits dealing with the techniques of picture printing. The photogravure and rotogravure sections have been completed and the section on the halftone relief process is partially completed. Lighting has been installed in the hall for the first time.

In the section of photography material was gathered for exhibits relating to the history of stereophotography and to early motion picture devices. A series of new exhibits in the northwest gallery relating to the development of the camera shutter, the camera lens, artificial light and instantaneous photography, and the applications of photography to everyday life, to science and industry, to welfare, and to education are in the planning stage.

SPECIAL EXHIBITS—DIVISION OF GRAPHIC ARTS

GRAPHIC ARTS

		1954
Lesser known French etchers of the 19th century	Prints from the permanent collection	June 21–Sept. 6
Jacob Pins	Block prints from the permanent print collection	Sept. 7–Oct. 3
Paul Heinrich Ebell	25 woodcuts	Oct. 4–Oct. 31
The Yoshida Family	60 block prints	Nov. 1–Nov. 28
		1955
Victor Delhez	26 wood engravings	Nov. 29–Jan. 2
Persis Robertson	33 lithographs	Jan. 3–Jan. 30
Arthur W. Heintzelman	32 etchings	Jan. 31–Mar. 27
John Laurent	22 prints	Mar. 28–May 29
Lino S. Lipinsky	29 etchings	May 31–July 24

PHOTOGRAPHY

		1954
National Print Collection	50 pictorial photographs	July–Aug.
Robert V. George	45 pictorial photographs	Sept.–Oct.
National Photographic Society (Annual Salon)	46 pictorial photographs and 101 color transparencies	Nov.–Dec.
		1955
Wellington Lee	40 pictorial photographs	Jan.–Feb.
Charles E. Emery	53 pictorial photographs	Mar.–Apr.
Eighth Annual Exhibition of Marine Photography	46 pictorial photographs	May
American Society of Photographic Art	51 pictorial photographs	June

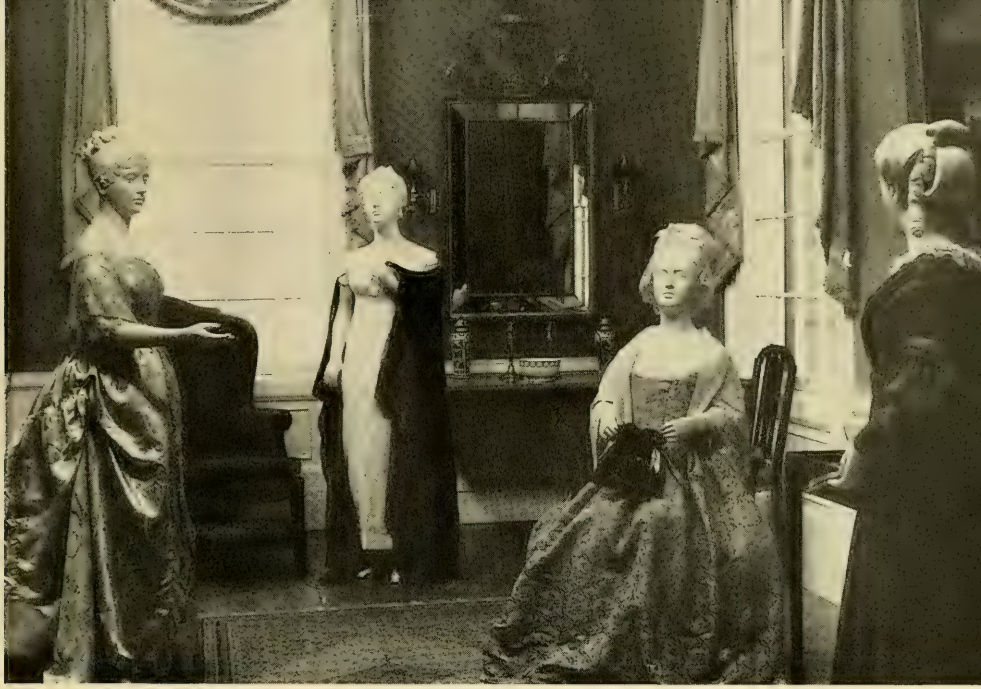
History

The First Ladies hall was formally opened on May 24, 1955, with the President of the United States and Mrs. Eisenhower participating in the dedication. The eight large display units in this hall, designed to represent different rooms in the White House from its earliest period to the present time, contain architectural details received from the White House during its recent reconstruction. They afford the visitor an opportunity to view the dresses in surroundings similar to those in which they were originally worn. Each room contains from three to six dresses representing a time span of about 20 years. The changing styles in White House decoration shown in these rooms are based on available pictorial evidence and written descriptions.

An exhibit illustrating the history of the United States Marine Corps was dedicated on August 10, 1954, in a section of the hall of naval history by Secretary Carmichael and General Lemuel C. Shepherd, Commandant of the Marine Corps. In it the historical development of this organization is traced by means of a series of uniforms, swords, and miscellaneous items owned by notable officers and enlisted men.

A special exhibition, "History under the Sea," was displayed in the foyer of the Natural History Building from July 20 to August 20, 1954, and subsequently for about three months in the rotunda of the Arts and Industries Building.

Seventy-six double frames in the philatelic exhibit cases were used to display an exceptionally complete series of United States revenue stamps transferred from the Internal Revenue Service. Commissioner of Internal Revenue T. Coleman Andrews made the presentation to Secretary Carmichael on October 12, 1954.

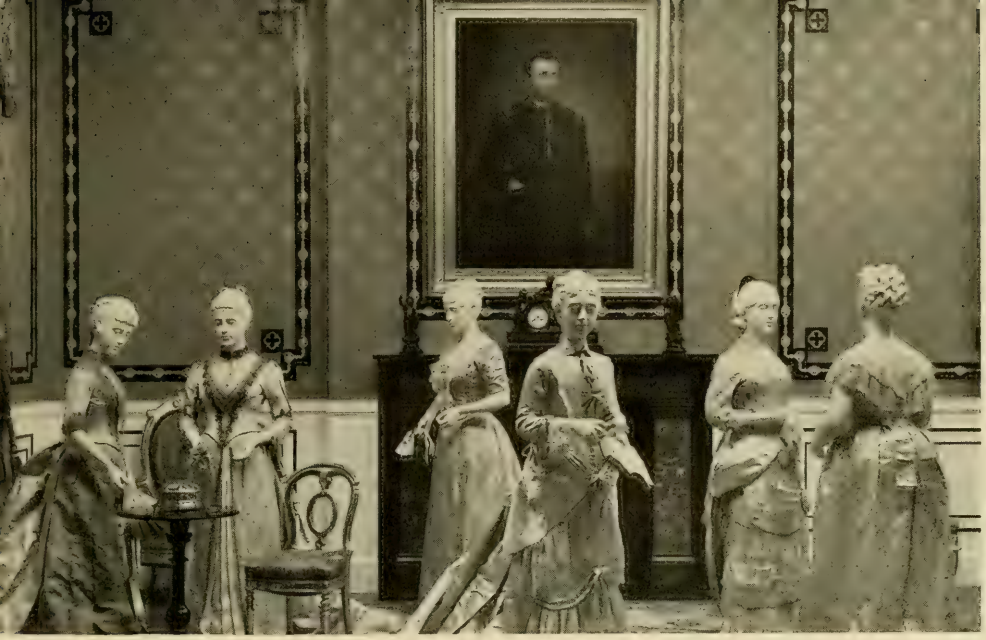


1789–1817 (left to right): Dorothea "Dolley" Payne Todd Madison, Martha Jefferson Randolph (daughter of Thomas Jefferson), Martha Dandridge Custis Washington, Abigail Smith Adams.

1817–1829 (left to right): Elizabeth Kortright Monroe, Maria Hester Monroe Gouverneur (daughter of James Monroe), Louisa Catherine Adams.

1829–1849 (left to right): Sarah Yorke Jackson (Mrs. Andrew Jackson, Jr.), Emily Donelson (niece of Andrew Jackson), Angelica Singleton Van Buren (daughter-in-law of Martin Van Buren), Jane Irwin Findlay (William Henry Harrison Administration), Julia Gardiner Tyler, Sarah Childress Polk.

1849–1869 (left to right): Betty Taylor Bliss (daughter of Zachary Taylor), Abigail Powers Fillmore, Jane Appleton Pierce, Harriet Lane (niece of James Buchanan), Mary Todd Lincoln, Martha Johnson Patterson (daughter of Andrew Johnson).



1869–1893 (left to right): Mary Harrison McKee (daughter of Benjamin Harrison), Caroline Scott Harrison, Mary Arthur McElroy (sister of Chester Arthur), Lucretia Rudolph Garfield, Lucy Webb Hayes, Julia Dent Grant.

1893–1921 (left to right): Edith Bolling Wilson, Ellen Axson Wilson, Helen Herron Taft, Edith Kermit Roosevelt, Ida Saxton McKinley, Frances Folsom Cleveland.

1921–1933 (left to right): Lou Henry Hoover, Florence Kling Harding, Grace Goodhue Coolidge.

1933– (left to right): Mamie Doud Eisenhower, Anna Eleanor Roosevelt, Bess Wallace Truman.

Accessions

During the Fiscal Year 1955

During the year 7,596,646 specimens were added to the national collections and distributed among the six departments as shown on the accompanying tabulation. This total includes several million minute fossils known as Foraminifera collected in Europe during the past year. The other accessions for the most part were received as gifts from individuals or as transfers from Government departments and agencies, and the most important of these are summarized below. A full list of the donors is to be found on page 54.

SPECIMENS IN THE NATIONAL COLLECTIONS

JUNE 30, 1955

Department of Anthropology		822, 380
Archeology	576, 763	
Ethnology	187, 749	
Ceramics	10, 048	
Musical instruments	2, 453	
Period art and textiles	8, 123	
Physical Anthropology	37, 244	
Department of Botany		2, 675, 442
Phanerogams	1, 750, 249	
Grasses	356, 640	
Ferns	210, 627	
Cryptogams	357, 926	
Department of Engineering and Industries		168, 782
Crafts and Industries	66, 676	
Engineering	33, 432	
Graphic Arts	46, 108	
Medicine and Public Health	22, 566	
Department of Geology		12, 301, 021
Mineralogy and Petrology	265, 879	
Invertebrate Paleontology and Paleobotany	11, 994, 837	
Vertebrate Paleontology	40, 305	
Department of History		853, 387
Civil History	38, 332	
Military History	29, 537	
Naval History	4, 687	
Numismatics	63, 507	
Philately	717, 324	

Department of Zoology		26, 043, 633
Mammals	272, 108	
Birds	484, 869	
Reptiles	143, 746	
Fishes	1, 557, 614	
Insects	12, 537, 523	
Marine Invertebrates	1, 313, 392	
Mollusks	9, 503, 063	
Helminths	46, 408	
Echinoderms	184, 910	
Total Museum Collections		42, 864, 645

Anthropology

A unique gift to the division of archeology was the figure of a human, made from wood, cloth and basketry, recovered from a grave along the central coast of Perú and dating from about A. D. 1100. This unusual object was presented by Mrs. Virginia Morris Pollak as a gift from the Arther Morris collection. A series of large archeological collections taken from excavation projects in various parts of the Missouri Basin has been transferred to the Museum by the River Basin Surveys. A willow splint figure of a quadruped, probably prehistoric, from a cave in Grand Canyon, was presented by Dr. J. D. Jennings, of the University of Utah.

The division of ethnology received from Ralph Solecki numerous ethnological objects which he obtained, while conducting archeological cal work in Iraq, from his native employees and their relatives among the Shirwani Kurds of Kurdistan. Also accessioned were 28 items of Afghan material culture, consisting of pottery, basketry, weavings and quilted clothing, a Khyber knife, and Mohammedan cult objects, collected in 1954 by the donor, Miss May Wilder, from villagers and country folk in Afghanistan. Another gift was a well-documented collection of 34 miscellaneous ethnographical specimens from the Anuak, a Sudanese tribe living in the environs of the Akobo River, collected by the donor, Miss Joan Yilek, prior to 1953 at Pokwo, Ethiopia, while she was stationed there as a missionary. Most extraordinary was the gift by Dr. and Mrs. Arthur M. Greenwood of Marlboro, Mass., of an entire two-story, four-room house, built in Everett, Mass., in 1678. The hand-hewn timbers of this early American home were dismantled and reassembled for future exhibition. W. Dan Quattlebaum, Pasadena, Calif., presented two outstanding examples of 18th-century glass, consisting of an engraved glass bowl blown in 1789 at John Frederick Amelung's New Bremen Glassworks in Frederick County, Md., and a decanter of about 1795 bearing an engraved American eagle.

The division of physical anthropology had an opportunity through collaborative studies to restore a badly crushed human skull which had been recovered by Dr. Fred Wendorf near Midland, Tex. This skull was found associated with Folsom type projectile points. Dr. T. Dale Stewart, curator of physical anthropology, who restored the skull, arranged with Dr. F. J. McClure of the National Institute of Dental Research to test the skull and associated Pleistocene animal bones for the amount of fluorine. On the basis of these tests and the excavation record, the age of this skull is considered to be around 12,000 years.

Zoology

The armed forces research teams operating in various parts of the world continued to make major contributions to the mammal collections. Specimens of Korean mammals, including the Museum's first collection from Quelpart Island, were transferred through the Hemorrhagic Fever Commission from the Army Medical Service Graduate School. A transfer from Naval Medical Research Unit No. 3 at Cairo included about 350 specimens from Egypt and the Sudan. The U. S. Army, through the 25th Preventive Medicine Survey Detachment, transferred a collection of specimens obtained by Capt. Gordon Field and C. M. Keenan in Panamá and the Canal Zone. Dr. Robert K. Enders contributed three separate collections of small mammals from Pakistan, the Island of Saipan in the Marianas, and Wyoming. An especially fine collection of dog and wolf skulls was included among specimens excavated from an aboriginal site on Southampton Island by Dr. Henry B. Collins, Bureau of American Ethnology, on the National Geographic Society-Smithsonian Institution-National Museum of Canada Expedition.

Most noteworthy among the accessions recorded by the division of birds was a gift of 1,255 bird skins from the "Benson Grubstakers" (a group of young men living in Panamá who are interested in natural history) and the Panama Canal Natural History Society. A gift from Maj. Gen. G. R. Meyer, U. S. Army, of 119 sets of eggs with full data, largely from the Canal Zone, added important information to that already available on the breeding dates of Panamanian birds. A deposit made by the Smithsonian Institution comprised 959 skins, 54 skeletons, 2 alcoholics, and 1 set of eggs collected by Dr. A. Wetmore. The National Geographic Society presented a small but geographically important collection of 131 birds obtained in French Equatorial Africa by Walter A. Weber.

A considerable number of valuable herpetological specimens were accessioned as gifts: a type and 18 paratypes of a new species of frog taken in Jamaica by Dr. W. Gardner Lynn; 119 reptiles and amphib-

ians from Virginia, including a type and paratypes of a new species of salamander, from Richard L. Hoffman; 8 reptiles from Puttur, Chittoor District, Madras, India, including a genus and 3 species not formerly contained in the Museum collection, presented by Rev. Erwin Chell. A transfer from the Naval Medical Research Unit No. 3 at Cairo yielded 390 Egyptian reptiles and amphibians.

The largest collection of fishes received during the year consisted of 2,341 specimens from freshwater streams in the southeastern United States collected for the Museum by Dr. Ernest Lachner and Frank J. Schwartz. Another large gift was composed of 1,813 reef fishes collected in the Gilbert Islands by the donor, John Randall. Additional gifts included the holotype of a new scorpaenid fish from the eastern Pacific through John E. Fitch; and the holotype of a new *Monocentris* from Mas-a-Tierra Island from Dr. Edwyn P. Reed, Valparaíso, Chile. The U. S. Fish and Wildlife Service transferred to the Museum the most important Atlantic collection received in several years, 983 fishes obtained by George C. Miller in Liberia. Through exchanges with other institutions the Museum received 6 paratypes of cyprinids from México through Dr. José Alvarez, Escuela Nacional de Ciencias Biologicas; the paratype of a frogfish, from the Chicago Natural History Museum through Loren P. Woods; and 3 paratypes of a Mexican catfish, from the Instituto Mexicano de Recursos Naturales Renovables, through Dr. Jorge Caranza.

One of the most valuable acquisitions of insects received was the W. M. Mann collection, consisting of 136,288 specimens, of which over 116,000 are ants. Approximately 700 types and hundreds of species of ants from many areas in the world not previously represented in Washington were included in this group. Among the important transfers from the U. S. Department of Agriculture was the S. W. Bromley collection of well over 35,000 specimens. This accession, rich in material representative of the dipterous family Asilidae, places the Museum high on the list among the institutions possessing extensive collections of these flies. Another transfer included 34,258 entomological specimens from the Department's Laboratory of Forest Insects, New Haven, Conn. Over 9,000 medically important "blackflies" were received as a transfer from the U. S. Department of Health, Education, and Welfare.

Two notable gifts greatly enhanced the collection of polychaete worms maintained by the division of marine invertebrates; 3,645 specimens, mostly from New England, including 3 holotypes and 3 paratypes from Dr. Marian Pettibone, University of New Hampshire, and more than 200 identified specimens from the Gold Coast, Africa, received from the Rijksmuseum van Natuurlijke Historie, Leiden, through Dr. L. B. Holthuis. Twelve lots of octocorals were received

from His Imperial Majesty's collections, Laboratory of the Imperial Household, Tokyo, Japan. Other noteworthy gifts to the collections were 7 remarkable fossil sea-pens presented by Mr. H. G. Kugler, Pointe-a-Pierre, Trinidad, and 3 large balanoglossid worms from Grand Isle, La., given by Dr. Harry J. Bennett, Louisiana State University. Three exchanges from Dr. Alejandro Villalobos F., Universidad Nacional A. de México, brought 54 isopod and decapod crustaceans of which 34 were paratype specimens. Among the transfers was one from the Fish and Wildlife Service, U. S. Department of the Interior, which included more than 1,019 crustaceans and other invertebrates collected in the Gulf of Mexico by the exploratory fishing vessel *Oregon* under the direction of Stewart Springer.

The division of mollusks received types of seven new species of nudibranch mollusks described and presented by J. M. Ostergaard. From the Gulf of Mexico 34 specimens of gastropods, including the types of 3 new species, were donated by Daniel Steger. As in the past, Jeanne S. Schwengel gave many fine specimens to the Museum, including a specimen of the rare cowrie *Cypraea armeniaca* from South Australia. Of the year's five accessions of helminths two are worthy of special mention because they brought types of two new species: *Onchocotyle somniosi*, a trematode described by the donor, Dr. David Causey, and *Gigantobilharzia huttoni*, presented by the author, Dr. W. Henry Leigh.

The most important accession of corals is comprised of some 400 specimens from the Great Barrier Reef off Queensland, Australia, collected and donated by Dr. John W. Wells, Cornell University.

Botany

Two significant collections were obtained for the Museum by staff members: 2,850 specimens, largely grasses, in the States of San Luis Potosí and Chiapas, México, collected by Dr. Ernest R. Sohns, and 3,445 specimens from Big Pine Key, Fla., and Isle of Pines, Cuba, obtained by E. P. Killip, research associate.

Among the numerous collections received as gifts with names requested, one is especially noteworthy, 588 plants from the Herbário "Barbosa Rodriques," Itajaí, Santa Catarina, Brazil. The Ohio State University presented 4,084 plants of Guatemala collected by W. A. Kellerman many years ago, including numerous historically important specimens. E. C. Leonard of the department staff donated his private herbarium consisting of approximately 9,300 specimens accumulated over a period of many years.

Transfers from other government agencies yielded several fine collections: from the Agricultural Research Service, U. S. Department of Agriculture, 983 specimens collected by Richard Evans Schultes in

Colombia; 5,066 specimens collected in India, Afghanistan, and Iran by Walter Koelz; and a historic set of 575 central European cryptogams, the Kryptogamae Germaniae Exsiccatae; from the U. S. Geological Survey, 1,360 plants of Alaska with a request for identifications; and 1,105 plants of Micronesia collected by F. R. Fosberg. The National Research Council through the Pacific Science Board transferred 532 plants of the Caroline Islands collected by S. F. Glassman.

Important exchanges included 2,009 plants of México, Central America, and South America, from the Academy of Natural Sciences of Philadelphia, collected by the late F. W. Pennell.

Geology

Outstanding gifts to the mineral collection are examples of the rare minerals hurlburtite and bismutotantalite from Prof. E. Tavora; rare iron and manganese phosphates from Finland from Dr. Mary Mrose; of superb specimen of crystallized wolframite from Korea from C. S. Whetzel; the rare uranium mineral kasolite, Hahn's Peak, Colo., from C. R. Reddington; and a combination of the rare minerals schallerite and hedyphane, Franklin, N. J., from J. S. Albanese.

Included in the exhibition material added to the Roebling collection were a group of large flawless axinite crystals of smoky lavender color on actinolite from Madera County, Calif., a large benitoite crystal in neptunite from San Benito County, Calif., and a bastnaesite crystal from Madagascar weighing eleven pounds. A mass of native lead weighing 80 pounds is one of the largest masses of this rare mineral found at Langban, Sweden. A sharp dodecahedral crystal of grossularite of an unusual pink color is one of the largest crystals of this mineral known.

Among the outstanding exhibition specimens added to the Canfield collection were a rich nodule of precious turquoise from the mines at Villa Grove, Colo., a rare group of tourmaline crystals of bronze-green color from Brazil, and a fine exhibition group of apophyllite on prehnite from a newly discovered occurrence near Centreville, Va.

Gifts to the gem collection included a pink pearl from East Pakistan, presented by the former Prime Minister of Pakistan, Mohammed Ali, and an outstanding collection of 33 cut tourmalines weighing 118 carats, from W. F. Ingram, selected to show the color range of this gem stone. An uncommon specimen received for the ore collection was the limb bone of a dinosaur partially replaced by uraninite, from the Atchison, Topeka and Santa Fe Railway Co. through T. O. Evans.

During the past year Dr. S. H. Perry donated 35 specimens of meteorites. Among them was a stone of the Sylacauga fall, weighing 1,682 grams. Another individual of this fall became celebrated as the first known case of a meteorite striking a person.

The support of the Walcott fund again permitted staff members to obtain important accessions in invertebrate paleontology and paleobotany. Specimens of Paleozoic invertebrates numbering 15,000 were collected by Dr. G. A. Cooper and Robert Main, and a very large group of Mesozoic and Tertiary Foraminifera from the classic localities of Europe was obtained by Drs. A. R. Loeblich, Jr., and Helen Tappan Loeblich.

Particular mention is made of the gift of 2,000 specimens of Silurian and Devonian fossils from little known areas in New Brunswick, Nova Scotia, and Quebec received from Dr. Arthur Boucot; and 800 Triassic invertebrate fossils from the Italian Alps from Dr. Franco Rasetti. Important foraminiferal donations included 275 type specimens from the Cretaceous rocks of Cuba and Trinidad presented by Dr. P. Bronnimann; and 320 slides of type Recent Foraminifera and 305 foraminiferal slides from the North Atlantic from Dr. Fred Phleger. Another very valuable gift was presented by Drs. A. R. Loeblich, Jr., and Helen Tappan Loeblich of 1,000 microsamples and 3,500,000 specimens of mounted Foraminifera, with many types, from the Cretaceous of Texas.

Through the Walcott fund a collection of about 600 specimens of rare Paleocene and Eocene mammals was obtained by Dr. C. L. Gazin and F. L. Pearce from southern Wyoming. Of particular interest were an excellent skull and some skeletal material of the large pantodont mammal *Coryphodon* and two well preserved skulls of the condylarth mammal *Meniscotherium*. Under the same fund Dr. D. H. Dunkle collected fossil fish and reptile remains from Devonian, Triassic, and Cretaceous rocks of Utah, Idaho, and Wyoming. An outstanding gift was a nearly complete skull of the large sabre-tooth cat *Smilodon fatalis*, collected from the Pleistocene deposits of Texas by George Klett and presented to the Museum through James E. Conklin. A remarkable collection of about 750 otoliths of teleostean fishes from the Eocene lower Barton beds of Hampshire, England, and representing 22 genera and 28 species was given by Dr. F. C. Stinton.

Engineering and Industries

A turbine reputed to be the first built by Charles Curtis, America's best known pioneer steam turbine inventor, was presented by the Stevens Institute of Technology. Original radio apparatus was received from the widow of Edwin Armstrong, comprising his regenerative receiver made about 1912, three superheterodyne receivers, a super-regenerative circuit, and what is considered the oldest surviving frequency modulation receiver.

The Dodrill-GMR Mechanical Heart, the first to be used successfully for the complete bypass of the human heart during surgery,

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was presented by the General Motors Corporation through C. L. McCuen of the Research Laboratories Division. The Rockefeller Institute for Medical Research gave the first Einthoven string galvanometer made in the United States for an electrocardiograph. This was made in 1914 by Charles F. Hindle for Dr. Alfred E. Cohn. An electrocardiograph used by Dr. Frank E. Wilson, a pioneer in the field of electrocardiography, was presented by the University of Michigan.

Several hundred drawings mostly of the details of early Bessemer process steel plants made by the distinguished engineer, Alexander Lyman Holley, were the gift of the Rensselaer Polytechnic Institute.

An elaborately carved roller cotton gin from India was received from Mrs. Stanley M. Walker. A pink brocaded taffeta christening blanket, known to have been used in 1827, was presented by Faith Bradford, and a commemorative linen "We Offer Peace, Ready for War" was given in the name of Sibyl Avery Perkins, deceased, by her daughter, Mrs. Robert C. Johnson, Jr.

An unusual board section of curly yellow buckeye showing beautiful blue stain markings, was presented by Ray E. Cottrell of the Wood Collectors Society. Fifty microscope mounts of woods of the family Celastraceae were received from John A. Boole, Jr., and 20 woods and 20 corresponding mounts of the genus *Garrya* through Prof. J. E. Adams, from the University of North Carolina.

A linoleum block print, "Le Coup de Vent" by Felix Vallotton (1865–1925), an important figure in the revival of the wood cut, was purchased through the Dahlgreen fund.

Two etchings by Giovanni Baptista Piranesi (1720–1778) "Veduta del Palazzo dell' Academia" and "Veduta sul Monte Quirinale del Palazzo Eccelentissima" were received as Smithsonian Institution deposits. Eight etchings illustrating Homer's Odyssey, by the well-known Polish artist Sigmund Lipinsky (1873–1940), were presented by Mrs. Elinita K. Burgess Lipinsky.

History

A very interesting specimen received in the division of civil history was a piano used in the White House during the administration of President John Quincy Adams. This piano, on loan from the Juilliard School of Music in New York, is a very early one of American make and bears the type of label used between 1822–29 by Alphaeus Babcock, who worked in Boston.

A large collection of vases, andirons, and other ornamental pieces donated by Mrs. W. Murray Crane of New York City helped to complete the exhibition of almost every setting in the First Ladies Hall.

As a loan the Museum received from B. Woodruff Weaver two gold sofas which were missing from the suite of White House furniture previously acquired. They had been sold at auction in 1902 by the White House and were recently acquired by the Barnes family of Washington.

Mrs. Dwight D. Eisenhower presented the gloves, evening purse, jewelry and slippers she wore with her inaugural dress. These accessories complement this unit for exhibition. Two fans and a blue and white Chinese porcelain vase belonging to Mrs. Herbert Hoover were presented by Mrs. Herbert Hoover, Jr. A hickory walking stick, inlaid in silver and bearing the name of Abraham Lincoln, was given by Samuel J. Prescott.

A gift to the division of military history from Joseph Cummings Chase contained 79 portraits of World War I officers and enlisted men, and one portrait of an enlisted man in service during the Korean conflict.

Outstanding among the accessions in the division of numismatics was the gift from Mrs. William D. (Gorgas) Wrightson of 43 award medals and decorations given to Dr. William Crawford Gorgas, 1854–1920, Sanitation Engineer for the Panama Canal Commission and later Surgeon General of the United States.

The Post Office Department has continued as the principal means whereby the philatelic collections are kept up to date, forwarding one specimen of each new stamp distributed by the Universal Postal Union. Three shipments totaling approximately 3,000 stamps were thus transferred. The Treasury Department, through the cooperation of T. Coleman Andrews, Commissioner of Internal Revenue, transferred an additional 49,642 specimens of United States revenue stamps and proofs.

Among gifts from private donors, especial mention is made of two additional collections of great value from Ernest Lowenstein. One collection consists of four volumes of Honduras airmails, replete with rarities, and the other of a 3-volume collection of Paraguay airmails.

Care of Collections

SPECIMENS ACCESSIONED, IDENTIFIED, AND DISTRIBUTED—FISCAL YEAR 1955

Department	*Received in accessions*	*Submitted for identification*	*Identified on request*	*Exchanged with other institutions*	*Gifts to educational institutions*	*Transferred to other Government agencies*	*Loaned for study to investigators and institutions*
Anthropology.	34, 450	2, 679	2, 679	2	119	0	839
Zoology . . .	363, 500	40, 985	32, 396	3, 073	2, 546	88	82, 333
Botany . . .	58, 526	11, 472	8, 557	16, 632	858	0	15, 125
Geology . . .	*7, 056, 121	4, 355	4, 272	3, 006	15, 398	412	7, 460
Eng. & Ind. .	5, 609	810	795	94	48	0	335
History . . .	78, 440	20, 361	20, 351	165	0	0	3, 374
TOTAL.	7, 596, 646	80, 662	69, 050	22, 972	18, 969	500	109, 466

* Consists chiefly of foraminiferan specimens collected in Europe during the previous year.

Anthropology

Storage space for new anthropological accessions continues to be a problem of first importance, since it has now become necessary to divide large incoming shipments and to store them wherever space can be found. This fragmentation not only makes systematic classification all but impossible but also increases the possibility of confusion.

In the division of archeology a large proportion of the time of the laboratory aid was devoted to numbering and cleaning new accessions, and to washing specimens from Ecuador. Consequently, only a rather limited amount of work was carried forward on the long-term program of reworking and condensing the study collections from various states. Nevertheless, the archeological collections from Missouri were checked, sorted, and regrouped, and in some cases a certain amount of renumbering and restoration could be undertaken. By means of this and the shifting of other material it was possible to free a small amount of storage space.

Owing to the transfer of large shipments from the Smithsonian River Basin Surveys, the processing of these collections has been a major operation of the year. Many of these collections are from localities not heretofore represented in the national collections; and in many instances they are the only materials now extant from sites and

localities submerged by reservoirs constructed under the federal water-control program. G. S. Metcalf, museum aide, is proceeding with the task of sorting and listing these specimens.

The Mexican archeological study materials have now all been moved to the attic. Through this and other shifting of collections and work facilities the archeological laboratory has gained increased working space and processing facilities. Structural work was completed on the storage racks located on the fourth rotunda floor, and both the racks and the drawers were painted.

During the year Assistant Curator Robert A. Elder, Jr., and Museum Aide George McBryde were confronted with the tremendous task of removing thousands of ethnological objects that had been displayed in the American Indian hall scheduled for modernization. These specimens were segregated and placed in the classified study series.

A. Joseph Andrews, chief preparator in the anthropological laboratory, completed various tasks including the making of a latex mold of the Midland human skull, the latter dating from between 10,000 and 20,000 years ago, assisting with the refurbishing of the life size groups in hall 11, supervising the cleaning and reframing of 47 paintings by George Catlin, and repairing early American stoneware for a special exhibition. He also prepared a bust of Mrs. Eisenhower for the Department of History, to be used in displaying Mrs. Eisenhower's gown in the new First Ladies hall.

Zoology

The completion of a large refrigerated fur-storage room, in which the tanned skins of large ungulates and carnivores are now installed, marks one of the greatest advances in storage facilities made available to the division of mammals in recent years. The merger of the Fish and Wildlife Service collection and that of the Museum was advanced during the year by the rearrangement and relabeling of most of the skins and skulls of primates. A major step in solving the continuing problem of caring for embalmed or pickled specimens of large and medium-sized mammals was taken when a series of old and unsatisfactory crocks and barrels was replaced with 10 wooden tanks lined with monel metal. The new installation increased considerably the space available for storage. Toward the close of the year a start was made on rearranging and indexing the entire collection of alcoholic and embalmed mammals, and all skeletal material.

The merger last year of the Fish and Wildlife Service bird collection with that of the Museum necessitated considerable relabeling of the storage cases and the more critical rearrangement of the specimens of a few difficult groups. This has now been completed. The reidentification and relabeling of all specimens, where needed, were continued

by division personnel, assisted by Dr. J. W. Aldrich and A. J. Duvall of the Fish and Wildlife Service.

The adoption of monel-lined wooden tanks also facilitated the care of the large alcoholic turtles, lizards, and crocodilians. The collection of skeletons and other dried materials in the attic was examined for signs of deterioration and all dry turtle shells were coated with a cement designed to keep the scales in place. Processing and arrangement of the large backlog of uncataloged fishes awaits the completion of the new storage room.

Although the insect material in the permanent collections is in excellent condition the majority of the groups are so overcrowded that the need for storage equipment is readily apparent. The largest task accomplished during the year was the labeling of the Mann collection, which is now being incorporated, insofar as space permits, into the Museum collection. The labeling of 10,350 specimens of the Shannon collection of Brazilian Diptera and the labeling and incorporation of the Korschefsky collection of Coccinellidae (ladybird beetles) were completed. The remainder of the Smythe collection and much of the F. M. Jones collection (both moths and butterflies) were also added.

Special attention was given this year to the dry invertebrate collections. All the dry echinoderms on the ground floor and all the miscellaneous dry material in the attic were treated with paradichlorobenzene, a time-consuming task that involved the opening of hundreds of individual specimen boxes to insert the crystals. In addition, most of the faulty specimen bottles in the alcoholic collections were extracted and replaced with aluminum capped bottles, and all leaky earthenware crocks were removed from the storage stacks and their contents placed in recently provided monel-lined wooden tanks.

In general, the physical condition of the study collection of mollusks is good, but there remains a large number of cataloged lots that should be incorporated in it. Further progress was made in the reorganization of the marine mollusks of the eastern Atlantic, initiated three years ago. The helminth slide and alcoholic collections, curated by the Animal Disease and Parasite Branch of the Agricultural Research Service, continues in excellent shape, but the backlog of uncataloged material increases yearly. In recent years there have been added to this backlog the Van Cleave, Henry B. Ward, and George LaRue collections. The study collection of corals was relocated on the second floor in order to release space for exhibition purposes.

Considerable time is spent each year by the exhibits staff and taxidermists making up and renovating skins and cleaning skeletons for the divisions concerned with the care of the vertebrate collections other than fishes. During the year 17 mammals were skinned and

made up; 31 birds were skinned, in part degreased, and all made up; 4 birds were mounted; 2 Galápagos turtles were skinned and made up; and 6 alligator eggs were blown. For mammals, 2,255 skulls and 16 complete skeletons were cleaned; for birds, 2 skulls and 110 skeletons were cleaned.

Botany

The portion of the herbarium in which the type specimens are housed has been expanded sufficiently this year to give temporary relief from overcrowding. A number of new bookcases has permitted the expansion and rearrangement of the Hitchcock and Chase Library and the department library, but expansion of the general herbarium has been delayed pending the delivery of a sufficient number of storage cases.

The major activities in caring for the permanent collections and the processing of new material are summarized in the following table:

	1953–1954	*1954–1955*
Specimens mounted	35, 124	35, 176
Specimens repaired	2, 410	3, 550
Specimens stamped and recorded	37, 338	40, 085
Specimens incorporated in herbarium	22, 937	42, 895
Photographs mounted	99	299

Type specimens continue to be found in the general collections and incoming material. This year 525 types were segregated and added to the type herbarium, which now contains 54,928 types, including 38,688 phanerogams, 9,831 grasses, 3,277 ferns, and 3,132 cryptogams.

The Hitchcock and Chase Library was increased by the addition of 18 publications, making a total of 7,067. The grass species index now contains 79,597 cards, 727 having been added during the year.

Geology

Franklin L. Pearce, exhibits preparator, has completed preparation of the collections of Paleocene and Eocene mammals from Wyoming which he and Dr. Gazin have collected during past field seasons. The appointment of Donald Guadagni to the laboratory staff permitted the preparation of lower vertebrate fossils, including the difficult and delicate cleaning of the rare embolomerous amphibian skull received in 1954. The entire Bison Basin Paleocene collection assembled in 1954 was cataloged.

Improvement in the segregation and arrangement of the early Tertiary mammal collections and progress in the preparation of specimens of lower vertebrate fossils have been achieved. A backlog of preparation still exists, however, in the lower vertebrates and certain

mammal remains transferred from the Smithsonian River Basin Surveys.

The great bulk of invertebrate material in the collections and the small staff available to organize and arrange the collections restrict the progress that can be made in reducing the backlog of unassimilated material. The fossil sponge collection has benefited by the work of Robert Finks, a graduate student of Columbia University, who has undertaken some reorganization to facilitate his own research.

The large accumulation of foraminiferal material on hand, resulting from collecting by Dr. A. R. Loeblich, Jr., is gradually being sorted and arranged. With the help of Curtis G. Mudgett, Francois Lascak, and Joan Bennett, many samples have been washed and concentrated, but a great many more remain to be processed.

Since the completion of his monograph on Chazyan and related brachiopods, Dr. G. A. Cooper has incorporated the large quantity of described materials in their appropriate places in the biological collections. In connection with his studies on Permian brachiopods, he has continued the sorting, selection, and condensation of the Permian invertebrate collection. Approximately 300 drawers of specimens have been sorted and about the same number remains to be done.

Dr. David Nicol has undertaken the reorganization of the Paleozoic pelecypod collection. This collection has never had a specialist to supervise it and consequently is in much need of revision and modern systematic arrangement.

Dr. J. B. Knight has, with the help of Drs. Roger Batten and Ellis Yochelson, reorganized the fossil gastropod collection and revised and corrected the generic arrangement. The arrangement of the species still remains to be completed.

In mineralogy the expansion necessitated by the rapid growth of the study collections of minerals was completed by James H. Benn and Robert Jones.

Frank Holden reports the work of the lapidary shop as follows: 388 specimens of rocks, minerals, and ores cut and polished; 18 meteorites cut, polished, and etched; 98 thin sections prepared, and 29 plaster bases for mineral specimens cast and painted. Eight visitors interested in polishing techniques visited the lapidary shop.

Engineering and Industries

The care of collections in the department of engineering and industries was complicated during the year by the impact of the programs of building renovation and modernization of exhibits. Among the resulting problems which the staff of the department met and solved were: the moving of collections in the storage court to provide working space for the mechanics, and the temporary storage there

of mechanic's equipment; the moving of collections on exhibit to permit painting and the installation of lighting; the removal and storage of exhibited material in the power machinery hall, the health hall, and the "chapel" to prepare for exhibits modernization; the shifting of offices and laboratories to provide enough space to set up an exhibits shop.

Organization of the reference collection of the division of engineering in the storage court was continued. The metrology section is being centralized on the third floor of the storage court, and the tool collection on the first floor. Considerable improvement was made in locating and in recording the locations of the reference collection material. In connection with the restoration of the power hall, a number of damaged and incomplete models were repaired and restored.

Restoration of automobiles and other vehicles has been the subject of discussion with prospective sponsors, and as a first step, the 1903 Cadillac has been removed for renovation.

Orville Hagans of Denver, Colo., is assisting by repairing in his shop two of the Museum's most interesting timekeepers, an organ clock and a Wenzel air clock. Dr. W. Barclay Stephens and Fred Rau of Alameda, Calif., have continued to assist the Museum in cleaning, repairing, and documenting watches in the timekeeping collection.

Ralph E. Cropley of New York City spent several weekends and holidays in the Museum during the past year adding material to the outstanding collection of ship illustrations and data which he has presented.

In preparation for the installation of new exhibits in graphic arts, about 250 specimens were removed from exhibition cases in the "chapel" and placed in storage. More than 450 damaged and otherwise poor objects were eliminated. About 150 prints were matted for better preservation. Selma Perry, clerk stenographer, improved the card catalog reference file for the etching collection. About 500 etchings formerly carded only by number were located and new entries made of the titles and etchers. In the section of photography a 5-ton air conditioning unit was installed in the workroom, print-storage, and print-library suite of the section of photography. Prints and rare books are now kept under constant temperature and humidity control. About 150 photographic specimens were removed from the northwest gallery and placed in the storage court.

The project of organizing and classifying the materia-medica collection, which was begun last year, has now been completed. All specimens have been filed alphabetically into approximately 155 storage drawers, the drawers labeled, and the specimens now await movement to the new storage area. The students from two of Dr. Phillip V. Hammond's pharmacognosy classes, Howard University College of

Pharmacy, aided measurably in this project by assisting in the filing of the specimens. All specimens in the reference storage collections have been classified and grouped together by subject and moved to the storage court. During the year 527 specimens were condemned, 159 specimens were transferred to other divisions, and 52 returned to donors.

An interesting sampler received this year in badly soiled condition was restored in the section of textiles. The canvas background appeared dark brown instead of natural tan and, when wet, the wool canvas was extremely weak and the colors in the silk embroidery bled. The sampler was placed for cleaning on several thicknesses of absorbent cloth. By using a small paint brush to wet only a very small area at each working period, the soil was flushed through the canvas and absorbed by the expendable absorbent cloth. Identification and mounting of textile specimens in the Museum collection by students of the University of Maryland, a project initiated in 1953, was continued, and 391 specimens were identified and mounted this year.

The projected renovation of the health gallery necessitated a reexamination of a large number of specimens, stored on the gallery, from the former section of foods. Certain of these were selected for retention and the remainder are being held for disposal.

Many duplicates from the large Krukoff collection of Brazilian woods, previously stored in several places, were brought together; and 200 recently received woods were cut and numbered.

History

The work of restoring and refinishing the specimens to be exhibited in the new First Ladies Hall overshadowed all other work in preservation of the collections of the division of civil history. It was necessary to wash, clean, polish all the silver, china, glassware and other ornamental pieces used in the alcove cases and the rooms. Each dress in the collection was repaired, pressed, and renovated and each mannequin was painted to improve its appearance. The furniture installed in the cases was cleaned, oiled, polished, and in some instances refinished before being placed in the new setting. Necessary repair work was done in the cabinet shop by Ewald O. Bankmann and the refinishing of the pieces by Wilbert Perry, laborer, working under the supervision of Museum Aide Frank E. Klapthor.

Special attention might be called to the crest of the mirror owned by the Washington family which is exhibited in the first room. Mr. Bankmann made the necessary repairs on pieces of the crest which were in storage and restored them so that they could be placed at the top of the mirror. Benjamin Lawless cleaned the frame and the

original parts of the crest, gold-leafed the new parts of the crest, and antiqued the new gold leaf to match the old. This restoration was completed so successfully that comparison of the mirror with a photograph taken before restoration is required to detect the restored parts.

In the division of military and naval history, the usual precautions against damage by insects were taken. The completion of the storage area over the new First Ladies Hall will allow the removal of civil history material to this area, freeing two storage rooms on the west gallery for military and naval history. Some of the very large and heavy specimens which will not be exhibited in the near future were placed in storage.

The usual problems encountered in maintaining numismatic exhibits are caused by dirt, fading, tarnishing, heat, and insects. Most of the 109 exhibit cases in the coin hall are well over 100 years old (they were made in 1838 for the coin room of the United States Mint, in Philadelphia), but they are probably as satisfactory as any but the more modern cases which are provided with ventilation.

A start has been made in the program of remounting philatelic specimens, though of necessity this has had to be secondary to consideration of their preservation. The United States section has been completely removed from display, examined for damage, and placed in new stockbooks. Specimens have been examined by such authorities as Julius Stolow, Finbar Kenny, Robert Meyersburg, and others for accuracy of classification and for condition. The entire United States section is now being remounted and will soon be placed on display.

Investigation and Research

Anthropology

Physical Anthropology.—Plans for the curator of physical anthropology, Dr. T. Dale Stewart, to study skeletal aging based on the remains of American soldiers killed in North Korea matured during the summer of 1954. At the request of the Department of the Army, Dr. Stewart was engaged for 4½ months on this project. While in Japan he examined a series of 450 skeletons and recorded a comprehensive series of measurements. The data obtained include casts and photographs of skeletal elements regarded as critical in the aging process. These records and casts were forwarded to Washington, and arrangements were made with the Office of the Quartermaster General to have an anthropologist detailed to aid in their analysis.

In a study of trephined Inca skulls, Dr. Stewart was attracted by the signs of osteitis sometimes surrounding the surgical openings in the bone. From his observations, both here and in Perú, Dr. Stewart concluded that the pattern of osteitis is indicative of the extent of the primitive surgical opening through the scalp and may have resulted from remedies applied to the bone.

In addition to his research activities, Dr. Stewart served as one of the American delegates to the Third Inter-American Conference on Indian Life, which met in La Paz, Bolivia, August 2–13, 1954; he represented the Smithsonian Institution at the 31st Inter-American Congress of Americanists which met at São Paulo, Brazil, August 22–28, 1954; and he was elected president of the American Institute of Human Paleontology.

Associate Curator Marshall T. Newman completed a paper entitled "The Significance of Racial and Ecological Factors in Public Health Studies of South American Indians," which was presented in Spanish at the Third Inter-American Conference on Indian Life. For a report by J. D. Jennings, G. R. Willey, and himself, "The Indian Mounds at Ormand Beach, Florida," he prepared a section on skeletal material. He also completed the basic work on a study of the relationship of body surface in man to climate. This study is based on original measurements taken by Dr. C. R. Jones on the Wai-Wai Indians of British Guiana, and on comparable material in the literature.

Archeology.—Curator Waldo R. Wedel completed three manuscripts, two of them in co-authorship. Under the title of "Changing Settlement Patterns in the Great Plains," he reviewed archeological and ethnohistorical data on the native occupations of the North American Plains during the past 10,000 years, outlined the development of cultures from the earliest hunting through the foraging to the corn-growing peoples, and pointed out the environmental and other factors probably responsible for the observed changes in settlement patterns. In another paper, prepared jointly with Marvin F. Kivett and entitled "Additional Data on the Woodruff Ossuary (14PH4), Phillips County, Kansas," he supplemented the site report in River Basin Surveys Paper No. 3 with data that include a carbon-14 date of A. D. 611±240 and an identification of trees from charred wood samples found in the burial site. The date is of interest because it is the first determination made from material identifiable with a defined Plains Woodland culture horizon, the antiquity of which has heretofore been uncertain. The trees suggest a marginal hardwood forest not substantially different from those of today. Dr. Wedel also added historical and ethnohistorical data to his continuing investigation of Kansas archeology.

He also prepared, with George B. Griffenhagen, curator of medicine and public health, a paper, "An English Balsam Among the Dakota Aborigines," which deals with the appearance in archeological sites of dated bottles that contained an early patent medicine, Turlington's Balsam of Life.

Associate Curator Clifford Evans and Dr. Betty J. Meggers, honorary research associate, participated in the South American archeology section of the 31st International Congress of Americanists. They presented four papers: "Filiações das Culturas da Ilha de Marajo," by Betty J. Meggers, "Filiações das Culturas do Territorio do Amapá, Brasil," by Clifford Evans, and in joint authorship "Preliminary Results of Archeological Investigations in British Guiana" and "Culture Areas in South America, an Archeological Point of View."

During September and October 1954, Drs. Evans and Meggers conducted stratigraphic archeological excavations in three major areas of the Guayas Basin of Ecuador. This field work, carried out in collaboration with Sr. Emilio Estrada of Guayaquil, made it possible to place his extensive collections into a chronological sequence on the basis of deep stratigraphic excavations in village site refuse deposits. On their return to Washington they completed their classification and description of the 50,000 pottery sherds obtained from the 1952–53 archeological investigations in British Guiana.

George Metcalf, museum aid, completed a report, "Sites in and about Fort Berthold Reservation, Garrison Reservoir, North Dakota," which

is concerned with field investigations made for the Missouri Valley Project of the Smithsonian River Basin Surveys. A second report "Additional Data from the Dodd and Philip Ranch Sites, South Dakota," describes a number of artifact types recognized by him among materials from this site transferred to the national collections.

Neil M. Judd, research associate, carried forward his analysis of materials collected in Chaco Canyon for the National Geographic Society and has nearly completed his report on the material culture of the Pueblo del Arroyo site.

Ethnology.—Curator Herbert W. Krieger completed a study on the Lucayan Indians of Bahama Island that is based on materials recovered by the Ernest N. May-Smithsonian Expedition in 1936–37, and on contemporary historical documentation. Additional research by the curator now in progress includes a study of historical Indian tribes of the Antilles and of historic Indian village sites associated with the first voyage of Columbus and with La Isabela, the first planned Spanish settlement in the New World.

Associate Curator John C. Ewers prepared a paper, on the methods and procedures followed in exhibits modernization of the Museum's new American Indian hall. The paper was read before the Wenner-Gren Conference on Museum Problems, held at the University of Pennsylvania. He has also completed the groundwork for a paper on the George Catlin collection of paintings of North American Indians of the West, based on these paintings in the U. S. National Museum.

Associate Curator C. Malcolm Watkins devoted 6 weeks to a study of colonial ceramics at the National Park Service Laboratory at Jamestown, Va., under a grant from the Jamestown-Williamsburg-Yorktown Celebration Commission. This investigation is intended to throw light on colonial culture and to serve as a standard for archeologists specializing in the excavation of historic village sites. In a paper prepared for publication in the magazine *Antiques*, Mr. Watkins described, from specimens in the Old Sturbridge Village collection, the characteristic lighting devices of New England rural towns in the early 1800's.

Research by visiting investigators.—During the year 4,189 visitors requested information and conferred with staff members on anthropological problems; 4,262 letters were written, and 11,535 telephonic inquiries were answered.

Among the distinguished visitors and scientists from foreign countries who used the collections were the following:

Dr. Yuzuro Okada, Editor of the Japanese Journal of Ethnology and Professor of Ethnology at the University of Tokyo: Ethnology of Formosa.

Dr. D. Diringer, University of Cambridge, England: American Indian pictographic writing.

Mrs. Hilda Raj, Tamil ethnologist: Comparative kinship terminologies.

W. G. Fagg, Africanist, British Museum: West African wood sculptures.

Kamal el Malakh, Cairo, Egypt, discoverer of the solar boat of Cheops.

Dr. Zakaria Goneim, Cairo, Egypt, discoverer of a Third Dynasty pyramid.

Dr. Carlos González N., Director, Instistitute of Botanical and Zoological Investigations, Santo Domingo University.

Marius Barbeau, National Museum, Ottawa, Canada: pictographic art; arts and crafts of the Pacific Northwest Coast Indians.

Ricardo E. Alegria, Director, Museo de la Universidad, Río Piedras, Puerto Rico: Conferred on the archeology and ethnology of the Taino Indians.

Thor Heyerdahl: Comparison of his archeological specimens from the Galápagos Islands with our type collections from the Virú Valley, Perú.

Antonio Krapovickas, Ministry of Agriculture of Argentina: Study of the archeological peanut specimens from Perú and Chile.

Drs. E. E. Johns, Kingston, Ontario, and David J. E. Mitchell, Peterborough, Ontario: Dental occlusion in Indian and Eskimo skulls.

Zoology

Mammals.—Two major studies were brought to completion during the year and notable progress was made on other long-term projects. Dr. David H. Johnson, acting curator, continued his studies of eastern Asiatic mammals and, at the request of the Commission on Hemorrhagic Fever, Armed Forces Epidemiological Board, and with the assistance of Lt. J. Knox Jones, Jr., U. S. A., he undertook a review of Korean mammals based mainly on specimens collected by Army field teams between 1952 and 1954.

Associate Curator Henry W. Setzer, submitted for publication his final report on mammals from the Anglo-Egyptian Sudan. This thorough study of the fauna of the Sudan increased the number of known genera of land mammals of that area, other than bats, from 30 to 50; 29 species and subspecies were found to be new. Considerable progress on a similar report on Egyptian mammals, also collected by Naval Medical Research Unit No. 3, was made by Dr. Setzer.

Associate Curator Charles O. Handley, Jr., completed a revision of the American plecotine bats, a contribution providing the first clear indication of the relationship of recent New World species to the Old World and fossil forms. He also completed a report on the mammals of the Dismal Swamp for the Virginia Academy of Sciences, made further progress on a systematic study of the mammals of the Kalahari Desert of South-West Africa, the mammals of the high Arctic, the marsupials of Central America, and the bats of the genus *Dasypterus*. During the year Dr. Handley completed the requirements for a doctorate in zoology from the University of Michigan and in June was granted the degree of Doctor of Philosophy.

Birds.—Curator Herbert Friedmann completed a paper on parasitic reproduction in African cuckoos, based on information assembled since the publication in 1948 of his book on this subject, and completed

a report dealing with a recently discovered drawing of the extinct Mauritian dodo and with the evidence his study brought to light concerning the early observers and illustrators of this bird. His investigation of the digestion of beeswax by honey-guides, pursued under a special grant from the Guggenheim Foundation, revealed that the splitting of the wax is due to microorganisms flourishing in the intestines of the birds and not to any avian enzymes. It is now known that there is a synergistic relation between the two wax-splitting microorganisms discovered. Dr. Friedmann also worked on the second volume of the "Birds of Mexico" and on the fifth edition of "A. O. U. Check List of North American Birds," and revised part of the manuscript on the birds of Gaboon, a study made jointly with Dr. A. L. Rand of the Chicago Natural History Museum.

Associate Curator Herbert G. Deignan brought the manuscript of his critical catalog of the type specimens of birds in the Museum up to date and continued his studies on the birds of Thailand, revising various groups of species where new data or additional specimens made such action necessary. So far he has completed the accounts of all the non-passerine groups.

Goodwin A. Bond, museum aide, revised the identifications and the nomenclature for a forthcoming taxonomic publication on the birds of Maryland. Dr. Wetmore, research associate, who collected over 1,000 specimens during his 3 months' field trip to Panama this year, continued his work on the fifth edition of the "A. O. U. Check List of North American Birds" and also studied the Panamanian and Colombian collections of birds he has amassed during the past 15 years.

Reptiles and Amphibians.—The catalog of type material in the Museum division of reptiles and amphibians, being prepared by Dr. Doris M. Cochran, associate curator, nears completion; it will contain about 2,000 names of types, references to the original descriptions, present synonyms, and a list of cotypes and paratypes in the national collections. Work on the monographic account of the frogs of western Brazil awaits the arrival of additional material from the University of São Paulo. Dr. Cochran's report on the frogs of southeastern Brazil was published and distributed on June 22, 1955.

Fishes.—Drs. Leonard P. Schultz, curator, and Ernest A. Lachner, associate curator, continued work on volume 2 of "The Fishes of the Marshall and Marianas Islands." At the end of the year this volume, which now includes 32 families, 110 genera, and 265 species, was 92 percent complete. Two papers, "The Golden Tetra, a New Species of *Hemigrammus* from British Guiana" and "Know Your Australian Rainbowfishes," were published by Dr. Schultz during the year. Three others were completed and submitted for publication: "Revision of the Parrotfishes, Family Scaridae, of the World"; "Handbook of Tropical Aquarium Fishes" (with H. A. Axelrod); and "A

new Pinecone Fish, *Monocentris reedi*, from Chile, a New Family Record for the Eastern Pacific." About 90 percent completed is a world-wide revision of the frogfishes, family Antennariidae.

Dr. Lachner published one paper, "Inquilinism and a New Record for *Paramia bipunctata*, a Cardinalfish from the Red Sea," and completed two others: "Populations of the Berycoid Fish Family Polymixiidae" and "a Revision of the Shark-Suckers, Family Echeneidae." During September 1954 Dr. Lachner, assisted by Frank Schwartz of the University of Pittsburgh, collected several thousand fishes and a number of crayfish in promotion of his projected study of the fresh-water fishes of the mountain streams of Virginia, the Carolinas, and Georgia. He was also granted a John Simon Guggenheim Memorial Fellowship for a 4-months' study of certain tropical marine fishes in European museums; and was elected vice-president of the American Society of Ichthyologists and Herpetologists.

Robert H. Kanazawa, biological aide, has expanded to include related genera his world revision of the eel genus *Conger*, which he has had under way for the past two years.

Insects.—Curator J. F. Gates Clarke completed a revision of the Neotropical moths of the genus *Orthocomotis* and continued with his study of the Meyrick types of Microlepidoptera in the British Museum of Natural History, of which the first two volumes of the eventual six appears during the year. Also in progress are his studies of the Microlepidoptera of the Juan Fernandez Islands (Chile) and of Micronesia, and his revision of the American moths of the family Phaloniidae. Dr. Clarke in May 1955 started an extended field trip to the Pacific Northwest

Associate Curator O. L. Cartwright completed an extensive revision of the scarab beetles of the genus *Psammodius* and made further progress with his studies of the beetles of the genus *Ataenius* and of the genus *Onthophagus*, suspected of being the intermediate hosts of parasites of domestic animals. Also in progress are reports on the Scarabaeidae of Micronesia and of Bimini.

Associate Curator William D. Field continued his studies of the Neotropical Lycaenidae (Theclinae) (hair streaks) and the genera *Constachila*, *Phulia*, *Piercolias*, and *Baltica* (Pieridae). Miss Grace Glance pursued her study of the Isotomidae.

Marine Invertebrates.—Curator Fenner A. Chace, Jr., prepared a report on the decapod and stomatopod crustaceans of Los Roques and the neighboring islands of Venezuela, based on collections received from the Sociedad de Ciencias Naturales La Salle, in Caracas. He also compiled a list of certain crustaceans identified from collections made by the U. S. Fish and Wildlife Service vessel *Oregon* in the Gulf of Mexico from 1950 through 1954. His study of the porcellanid crabs of West Africa, in progress since 1948, is nearing completion.

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Associate Curator Frederick M. Bayer completed five manuscripts, chiefly on the octocorallians, including a chapter on the Octocorallia for the "Treatise of Invertebrate Paleontology." In June 1955 he joined an expedition to the Palau Islands sponsored jointly by the George Vanderbilt Foundation and the Office of Naval Research. Mr. Bayer will be responsible for the invertebrate investigations of the expedition during a 4-months' stay on Koror.

Associate Curator Thomas E. Bowman completed two manuscripts since joining the staff in August 1954, one on a new copepod from the northeastern Pacific and the other a description of a new species of the isopod genus *Chiridotea*. Dr. Bowman is currently engaged in an extensive study of the calanoid copepods collected off the southeastern United States by the U. S. Fish and Wildlife vessel *Theodore N. Gill*.

Clarence R. Shoemaker, associate in zoology, completed 5 manuscripts during his 81st year, and is now occupied with a revision of the amphipods of the family Haustoriidae.

Dr. J. Percy Moore, collaborator, who is still actively working on the morphology and systematics of leeches at the age of 86, during the year edited with Marvin C. Meyer a translation from the Russian of an extensive treatise on leeches by W. D. Selensky. Dr. Moore is currently working on the anatomy and systematics of some leeches from the Museum and the University of Natal, South Africa, as well as on a large collection of leeches, mostly of the genus *Helobdella*, from Lake Titicaca.

Mrs. Mildred S. Wilson, collaborator in copepod Crustacea, has completed two manuscripts on new species of copepods of the genus *Diaptomus*, from Louisiana, and is preparing a taxonomic report on the copepods of Lake Pontchartrain.

During the year, 23 specialists in other institutions undertook to identify material of various groups of invertebrates for the Museum. The individuals who so kindly rendered this service and the groups on which they work are:

Dr. Donald P. Abbott: Tunicates.
Dr. A. Weir Bell: Oligochaete worms.
Dr. David Causey: Oligochaete worms.
Mrs. May Belle Chitwood: Nematomorph worms.
Dr. Elisabeth Deichmann: Holothurians.
Mr. A. Goldberg: Nematomorph worms.
Dr. Olga Hartman: Polychaete worms.
Dr. Willard D. Hartman: Sponges.
Dr. Dora P. Henry: Barnacles.
Dr. Horton H. Hobbs, Jr.: Crayfishes.
Dr. Libbie H. Hyman: Flatworms.
Dr. Paul L. Illg: Copepod crustaceans.
Dr. Karl Lang: Tanaid crustaceans.
Dr. J. G. Mackin: Isopod crustaceans.
Dr. Marvin C. Meyer: Leeches.
Dr. Milton A. Miller: Isopod crustaceans.
Dr. Edith E. Mortensen: Protozoans.
Dr. Raymond C. Osburn: Bryozoans.
Dr. Marian H. Pettibone: Polychaete worms.
Dr. Edward G. Reinhard: Rhizocephalan crustaceans.
Mr. Bryce C. Walton: Leeches.
Dr. John W. Wells: Hydrocorals.
Dr. Austin B. Williams: Decapod crustaceans.

Mollusks.—Curator Harald A. Rehder made progress on his revision of the superfamily Pyramidellacea for the "Treatise of Invertebrate Paleontology."

Associate Curator J. P. E. Morrison continued his studies on the families Ellobiidae, Cyclophoridae, and Amphicyclotidae of America, and worked on the Hydrobiidae.

Dr. R. Tucker Abbott, associate curator, was occupied, until his resignation in November to accept a position at the Academy of Natural Sciences of Philadelphia, with researches on the Assimineidae of the western Pacific.

Research by visiting investigators.—In addition to investigators from Federal agencies located in the Washington area, more than 180 professional biologists and students with an interest in systematic zoology paid one or more visits to the offices and laboratories of the department, some staying for considerable time. Among the foreign visitors and their fields of interest were the following:

Dr. Kamal Wassif, Ibrahim University, Department of Zoology, Abbassiah (Cairo), Egypt: Mammals of Egypt and adjacent areas.

Kaiser Makram, Cairo, Egypt: Mammalogical techniques.

Dr. Albert Hochbaum, Delta, Canada: Bird records and library.

Dr. W. H. Phelps, Caracas, Venezuela: Venezuelan birds.

Prof. H. Steiner, Zurich, Switzerland: Anatomy of birds.

Ting-ping Koh, Taiwan Teachers College, Formosa: Tuna fish.

Dr. Hubert J. Squires, Newfoundland Fisheries Research Station: Decapod crustaceans.

Dr. A. Villalobos F., Universidad Nacional A. de México: Crayfishes.

Dr. Paulo Erichsen de Oliveira, Departmento Nacional da Produção Mineral, Rio de Janeiro, Brazil: Fossil mollusks of Brazil.

Dr. Denise Mongin, Muséum National d'Histoire Naturelle, Paris, France: Miocene mollusks of the East Coast of North America.

Dr. Takashi Ino, Tokai Regional Fisheries Research Laboratory, Tokyo, Japan: Abalones (Haliotidae) and starfishes of the Pacific.

Dr. S. Yamaguchi, Kyoto University, Japan: Helminths.

Botany

Phanerogams.—Curator A. C. Smith prepared and submitted for publication a report on his most recent Fijian explorations, and also a discussion of the significance of the phanerogam genera that have distributions terminating in Fiji. Between April 15 and June 30 he was transferred to the staff of the National Science Foundation to act as Program Director for Systematic Biology during the absence from that position of Dr. William C. Steere. Dr. Smith was elected to serve as president of the American Society of Plant Taxonomists.

Dr. L. B. Smith, associate curator, has continued his studies toward a Flora of Colombia by the publication of a paper, "Revisio Violacearum Colombiae," in joint authorship with Dr. A. Fernández-

Pérez, of the Instituto de Ciencias Naturales, Bogotá. He has nearly completed a manuscript treating the more than 350 species of Colombian Bromeliaceae. During the year he has been seeing through press a comprehensive paper on "The Bromeliaceae of Brazil," discussing over 570 species and with 128 illustrations prepared by Dr. Robert J. Downs of the U. S. Department of Agriculture. Besides its taxonomic interest, this paper provides a basis for research in bromeliad malaria, and has considerable horticultural application because of the high proportion of ornamental species of the family in Brazil. With Father Raulino Reitz, he has been studying the flora of the State of Santa Catarina, Brazil, and with Dr. Downs he prepared a treatment of the Rubiaceae of Santa Catarina for publication in Sellowia, the journal of the Herbário "Barbosa Rodrigues," edited by Father Reitz.

Associate Curator E. H. Walker, in collaboration with Dr. F. R. Fosberg, completed and submitted for publication a third supplement to a preliminary checklist of plants in the Shenandoah National Park. He continued to progress in his studies of the genus *Corylopsis* (Hamamelidaceae) and in a study of the Myrsinaceae of Taiwan. The latter project follows naturally after a critical study of the Myrsinaceae of Japan (published this year) and of the Ryukyu Islands (now in press). His principal research effort has been directed toward the preparation of a "Flora of Okinawa and the southern Ryukyu Islands," which is essentially a new edition of the "Flora of Okinawa, an enumeration of the plants of Okinawa and Sakishima archipelagos in the Ryukyu Islands," by S. Sonohara, S. Tawada, and T. Amano (1952, edited by E. H. Walker). The current work was started in 1954 at the request of the U. S. Civil Administration of the Ryukyu Islands, U. S. Army, because of the unexpectedly early exhaustion of the supply of the earlier Flora and the urgent need for a new edition.

Associate Curator E. C. Leonard continued his work on part 3 and the supplement of his comprehensive study of the Acanthaceae of Colombia. Revisions were completed for 11 of the 15 genera to be treated. An annotated list of the plants growing in the Potomac Triassic Area of Virginia, to be included in a paper on the floristics of that region by H. A. Allard and Mr. Leonard, has been essentially completed.

Dr. Velva E. Rudd, associate curator, completed her "Revision of the genus *Nissolia*," part of a study of the subtribe Aeschynomeninae of the family Leguminosae, of which the first paper, "The American species of *Aeschynomene*," is now in press as a Contribution from the U. S. National Herbarium. Two more papers are planned to complete the series.

Research Associate E. P. Killip, continued to make valuable collections of plants in Cuba and southern Florida, and during his visits to Washington prepared duplicates for distribution, thus adding substantially to the material sent out in exchange by the division.

Grasses.—*Curato*r Jason R. Swallen continued his studies on the grasses of southern Brazil, and completed for publication "Notes on Honduras grasses." His "Grasses of Guatemala," is being published by the Chicago Natural History Museum.

Associate Curator Ernest R. Sohns, published a paper on fascicle morphology in *Cenchrus* and *Pennisetum.* Two collecting trips were made to México during the past year. The first was to the State of San Luis Potosí in September and October. Over 2,200 specimens, mostly grasses, were collected throughout the State. Special attention was given to the Sierra de San Miguelito and the Sierra de Guadalcazar. Besides numerous range extensions, one very rare grass genus (*Calamochloa*) was found for the second time in the Sierra de Guadalcazar. This grass, represented by an inadequate specimen in the Paris Museum, was collected by the French mineralogist, Pierre Virlet d'Aoust, in 1881. Not only is the genus a rare endemic, but the single species is dioecious. It is being redescribed and illustrated. In March, a trip was made to Lake Miramar in the State of Chiapas in collaboration with El Centro de Investigaciones Antropólogicas de México. Over 650 specimens were collected in the Lacandon Forest near the lake. Many of the grasses, mostly hygrophilous forest species, were new records for the State and one species was new to México.

Mrs. Agnes Chase, research associate, continued to devote her full time to editing and verifying the index to grass species prior to their being typed. Approximately 40,000 cards, or half the index, have been completed.

Dr. F. A. McClure, research associate, assembled the materials for a taxonomic treatment of the bamboos of southern Brazil. Under the auspices of the U. S. Department of Agriculture, he continued work on a manual for the field identification of bamboos of the genus *Phyllostachys* in cultivation in the United States.

Under a 3-year grant from the National Science Foundation, Mrs. Walter T. Swingle is collaborating with Dr. McClure in the acquisition and processing of bamboo literature with special reference to the documentation and clarification of species.

Ferns.—Curator C. V. Morton continued during the first four months of the current fiscal year his work in Europe as a Fellow of the John Simon Guggenheim Memorial Foundation. During this period he examined many thousands of sheets of ferns, especially

from tropical America, and photographed 8,111 type specimens and other authentic material. These photographs will form a valuable tool for future taxonomic studies. Throughout the work he was given every facility and encouragement by the staffs of the Muséum National d'Histoire Naturelle, Paris, the Rijksherbarium, Leiden, the British Museum (Natural History), London, the Conservatoire et Jardin Botaniques, Geneva, the Naturhistoriska Riksmuseet, Stockholm, the Staatsinstitut für allgemeine Botanik, Hamburg, the Botanical Museum and Herbarium, Copenhagen, the Royal Botanic Gardens, Kew, the Botanisch Museum, Utrecht, and the Jardin Botanique de l'Etat, Brussels.

Cryptogams.—Associate Curator Paul Conger continued with his studies of the diatom flora and ecology of Chincoteague Bay, Md. He also continued with a monographic study of the important diatom genus *Grammatophora* and with the accumulation of notes on abnormalities in diatoms.

Research by visiting investigators.—During May and June, Father Raulino Reitz of the Herbário "Barbosa Rodrigues," Itajaí, Santa Catarina, Brazil, made intensive studies of the herbarium material and literature in the department in connection with the preparation of a flora of the State of Santa Catarina. In October, Miss Nancy Burbidge of the Commonwealth Scientific and Industrial Research Organization, Canberra, Australia, studied for three weeks on the identification of introduced grasses in Australia, especially species of *Paspalum*. During June, V. D. Zotov, Botany Division, Department of Scientific and Industrial Research, Christchurch, New Zealand, examined the collections of New Zealand grasses in the herbarium, especially types, in preparing for a monograph of the family in New Zealand. Dr. Kittie F. Parker, formerly of the University of Arizona, continued her research on the western flora and in the family Compositae. Others who spent short periods at the herbarium were L. A. Garay, University of Toronto, Arland T. Hotchkiss, University of Sydney, Australia, J. M. Idrobo, Instituto de Ciencias Naturales, Bogotá, Colombia, and Antonio Krapovickas, Buenos Aires, Argentina.

More than 750 persons visited the herbarium, usually seeking scientific information. The collections of the department continue to be an important source of reference material for staff members of other Government agencies, particularly the Department of Agriculture and the Department of the Interior. Thirteen informal loans with 2,821 specimens were made to local agencies, mostly to the Department of Agriculture.

Geology

Mineralogy and petrology.—Several collateral problems connected with the study of the mineralogical nature of Meso-American jade have occupied the attention of Head Curator W. F. Foshag. One of these relates to the Aztec stone *chalchihuitl*, and the identification of its varieties as defined by the early chroniclers. A study of a newly discovered occurrence of jadeite in Guatemala has been completed. It probably was a source of jade for some of the ancient indigenous cultures of Meso-America. A study of a new mineral species, an oxychloride of aluminum, from the fumaroles of Parícutin volcano has been completed. Dr. Foshag continued as president of the Section of Volcanology, Petrology, and Geochemistry of the American Geophysical Union.

A study of the hexahedrite type of meteorites has been undertaken by Associate Curator E. P. Henderson to determine accurately their chemical composition and to compare their metallographic structures and their accessory minerals with a view to determining if these meteorites have a common origin. He is also studying the occurrence, composition, properties, and associations of the accessory mineral cohenite, an iron carbide, in order to learn if there is any correlation between its presence and the composition of the meteorite.

Dr. S. H. Perry, associate in mineralogy, at the close of the year presented to the Museum his library of meteorite publications and the remainder of his meteorite collection. His large 9-album collection of photomicrographs of iron meteorite structures, previously presented to the Museum, will be a source of information for many years to come.

A study of the origin of ore-forming solutions of the Iron Springs district, Utah, continues to occupy the efforts of Dr. George Switzer, associate curator, who is working in collaboration with Dr. J. Hoover Mackin of the U.S. Geological Survey. The results of this investigation should prove useful in the exploration of these economically important iron ore deposits and others of a similar nature. An investigation of the nature of the minerals composing the tests of various fossil micro-organisms, carried out in collaboration with Dr. A. J. Boucot of the U. S. Geological Survey, has been completed. Work has been begun on an investigation of two new mineral species; paradamite, a zinc arsenate from México; and galeite, a sodium fluoride-sulfate from California. Dr. Switzer prepares, annually, a review of the diamond industry, widely used by government agencies, commercial organizations, and others interested in the many phases of the diamond industry. He also prepares, in collaboration with Mr. R. T. Thompson of the U. S. Bureau of Mines, the Gem Stone Chapter of the Minerals Year Book.

Dr. John P. Marble, associate in mineralogy, as chairman of the Committee on the Measurement of Geologic Time, of the National Research Council, prepared the annual summary on the advances in radiochemistry and geochronology for 1953–1954, including a comprehensive annotated bibliography of the works published in these fields during the year. He also continued as general secretary, and chairman of the editorial and publications committee of the American Geophysical Union, and as official delegate attended the 10th general assembly of the International Union of Geodesy and Geophysics at Rome.

On June 6, 1955, the Department of Geology lost, through death, the valuable services and stimulating associations of Dr. Marble, who had served as research associate in the division of mineralogy and petrology since 1948.

Invertebrate palentology and paleobotany.—Early in the year Curator G. A. Cooper, working in collaboration with Dr. H. M. Muir-Wood of the British Museum, completed a revision of the genera of the Productacea, a large group of fossil spiny brachiopods. The work includes both the taxonomy of the group, and discussions concerning morphological variations, paleoecology, and life habits and processes. In addition, Dr. Cooper described a collection of brachiopods from Arizona, a rare occurrence in American Cretaceous rocks.

Work was continued by Dr. Cooper on the description of Permian brachiopods from Oregon. This fauna is related to the Russian Permian forms, and is new to the United States. In preparation for his study of the Permian brachiopods of the Glass Mountains of Texas, considerable time was spent in the sorting and organizing of the material obtained by the etching of the silicified forms from limestone blocks. The superb material recovered will yield much information on the anatomy of the animals, their life habits, and their ecological environment.

Associate Curator Alfred R. Loeblich, Jr., and Research Associate Helen Tappan Loeblich have worked continuously on the Treatise of Invertebrate Paleontology (Foraminifera), a natural classification of the Foraminifera based on phylogeny and geological occurrence, with definitive descriptions of all known genera, each description accompanied by precisely executed drawings. About 1,500 genera of smaller Foraminifera will be included in the work. In addition, they have published a revision of some Recent foraminiferal genera. Mrs. Loeblich has completed studies on Jurassic Foraminifera from Alaska, and has in preparation a volume on Cretaceous Foraminifera.

Associate Curator David Nicol completed and published an analysis of the Arctic marine pelecypod fauna and its significance in ecological interpretation, and is continuing morphological studies of the bizarre and unusual Paleozoic genus *Conocardium*.

Dr. J. B. Knight, research associate in paleontology, continued work on the Treatise of Invertebrate Paleontology (Gastropoda), a classification with definitive descriptions and illustrations of all known genera of Paleozoic gastropods. He was assisted in this by Drs. Roger Batten and Ellis Yochelson.

The studies of Dr. R. S. Bassler, research associate in paleontology, on Ordovician cystids have been delayed by a serious accident suffered by him. His project is almost completed.

Vertebrate paleontology.—Curator C. L. Gazin completed and submitted for publication a description and taxonomic revision of the upper Eocene artiodactyls, or even-toed ungulates, of North America. These include 6 families, 18 genera, and 35 species. It is in the Eocene epoch that the origins of the artiodactyl families are to be found, and this study will help to determine the phylogenetic sequences leading to the better known Oligocene forms. Dr. Gazin also completed his description of the Paleocene mammalian fauna of the Bison Basin in Wyoming, a study that yielded 19 new species and 2 new genera. During the early summer of 1954 Dr. Gazin, accompanied by Mr. F. L. Pearce, carried on field work in the Paleocene beds of the Bison Basin of Wyoming, and the lower Eocene Knight formation of the Washakie, Great Divide, and upper Green River Basins.

Dr. Gazin continued to serve as chairman of the Eocene subcommittee of the committee of the Society of Vertebrate Paleontology preparing a new "Nomenclature and Correlation of the North American Continental Tertiary," a cooperative project, the results of which will be published by the Geological Society as a memoir.

Associate Curator D. H. Dunkle, who has been engaged on the planning of the new exhibition hall of lower vertebrate fossils, made some progress on his program of research, which includes as its major projects the detailed study of the fossil fish fauna of the middle Eocene Green River shales, and the Mesozoic origins of teleostean or common fishes from holostean, or ray-finned fishes. A description of a remarkable specimen of a pleuropterygian shark preserved 3-dimensionally in a phosphate nodule from the upper Devonian Chattanooga shale of Tennessee was completed in collaboration with Dr. Stuart W. Maher of the Tennessee Geological Survey. Working in collaboration with Dr. Bobb Schaeffer he also completed a study of sharks, lung-fishes, and ray-finned fishes represented in collections from seven new occurrences in Brazil.

During the summer of 1954 Dr. Dunkle carried on a search for fossil fish and reptiles near Paris, Idaho; Cody, Wyo., and Logan and Monticello, Utah. Later, with Exhibits Worker Donald Guadagni, he

explored the Cretaceous chalk beds of Kansas for fine examples of fossil fish and other vertebrate forms suitable for exhibition.

Research by outside investigators.—Among investigators other than those of government agencies, who have assisted the department of geology with the study of Museum material, and who in turn have received help from the staff and the collections, are: Dr. T. W. Amsden, The Johns Hopkins University, who is studying a collection of Silurian (St. Clair) brachiopods from Arkansas; Dr. Franco Rasetti, of the same university, who continued his studies of Cambrian fossils; Dr. Norman D. Newell, American Museum of Natural History, who is monographing a large collection of silicified pelecypods from west Texas belonging to the National Museum; Dr. Harry B. Whittington, Harvard University, who is now busy with studies of family groups, other than those described in 1954, represented in the silicified residues from Strasburg, Va.; Drs. Roger Batten and Ellis Yochelson, who as graduate students of Columbia University collaborated with Dr. Knight on Permian gastropod studies; Dr. Francis G. Stehli, California Institute of Technology, who is studying some terebratuloid brachiopod collections; Dr. A. K. Miller, University of Iowa, who is studying the Museum's large collection of Permian ammonoids from the Glass Mountains; and Dr. C. O. Dunbar, Yale University, who is studying the fusulines (Foraminifera) from the Permian of the Glass Mountains, Tex.

The following students of Foraminifera visited and studied at the Museum: Dr. Cesare Emiliani, University of Chicago; Dr. J. C. Troelsen, University of Copenhagen; Noel Brown, Jr., Cuban Gulf Oil Company, Havana, Cuba; Dr. Hans Bolli, Pointe-á-Pierre, Trinidad, B. W. I.; Mr. Y. Nagappa, Digboi, Assam, India; Dr. Eugenie Montanaro-Gallitelli, University of Modena, Italy; Dr. Frank E. Lozo, Houston, Tex.; and Dr. L. W. LeRoy, Golden, Colo.

Investigators who made use of the vertebrate paleontology collections during the past year to further their research projects include: Dr. J. LeRoy Kay, Carnegie Museum in Pittsburgh, who made extensive comparisons of his important collection of Green River Eocene mammals from Utah, with the Museum's extensive Bridger Eocene collections from Wyoming; Gordon Edmond, of the Royal Ontario Museum, who studied and photographed a number of specimens pertinent to his investigation of tooth succession in the reptiles; Dr. John Clark of Princeton University, who reviewed Oligocene and Miocene artiodactyl materials and examined the Chadronian mammals in connection with his studies of faunal sequences in the Chadron formation.

Engineering and Industries

Engineering.—A descriptive account of the history of the development of power machinery was prepared by Dr. R. P. Multhauf, associate curator, in connection with the design of the power machinery hall, for use as a guide to this hall. He is engaged in the first stage of the preparation of a catalog of the metrology collection, and he collaborated with Museum Aide Don H. Berkebile in research leading to the design and construction of models of a number of power machines, plans of which no longer exist. This research thus far has led to the construction of models of a steam engine of John Fitch and a boiler of Oliver Evans.

Associate Curator S. H. Oliver's manuscript, "The First Quarter-Century of Steam Locomotives in North America: Remaining Relics and Operable Replicas, with a Catalog of Locomotive Models in the U. S. National Museum," was completed in March and submitted for publication.

Kenneth M. Perry, associate curator of electricity, continued identifying, documenting, and describing the electrical measuring instruments in the Museum collections. A number of the more than 50 such devices treated during the year represented part of the large collection recently presented to the Museum by the Western Electrical Instrument Corp.

Crafts and industries.—Curator William N. Watkins continued his investigation of woods used in old and rare furniture in an effort to determine their origins. He assisted Colonial Williamsburg and The Henry Francis Du Pont Winterthur Museum in their quest for accurate determinations of wood origins, and give similar assistance to the Corcoran Gallery of Art and the Abby Aldrich Rockefeller Folk Art Collection, Williamsburg.

In her search for additional unpublished information on the Scholfield wool carding machine of 1793, Assistant Curator Grace L. Rogers visited the Baker Library, Harvard University, the Rhode Island Historical Society, and old Slater Mill, all in New England, and the Henry Ford Museum, Dearborn, Mich. Original manuscripts were reviewed and old company records searched for verification of its history. Several Scholfield machines examined will be described in the article on the subject.

Edward C. Kendall, associate curator, investigated the European origins of 17th- and 18th-century American plow types. Aided by a generous grant from Deere and Company he visited a number of historical and technical museums in western Europe. His examination of these collections, particularly in Scandinavia, Holland, Germany, and Great Britain, brought out the fact that American plows

in use in the 18th century were distinctively different from their European counterparts. The information acquired will be presented in articles on the origin of American plow types, on the Hohenheim plow model collection, on the original appearance of the John Deere steel plow of 1837, and on the types of plows used on the Mount Vernon estate of George Washington.

Medicine and public health.—Curator George B. Griffenhagen completed his catalog of apothecary shop restorations on exhibition in the United States. The catalog, which included descriptions of 28 restorations from Massachusetts to California, was published by the American Pharmaceutical Association under the title of "Early American Pharmacies," and was distributed to all members of the American Institute of the History of Pharmacy. Also completed was a study, carried on in cooperation with Dr. Waldo Wedel, curator of archeology, that commenced as an investigation into the significance of Turlington's Balsam bottles found in archeological sites in the Dakotas. One of the early popular patent medicines used in the colonies, Turlington's Balsam of Lfe is an outstanding example of the beginnings of patent medicines in America.

Curator Griffenhagen gave considerable attention to the history and evolution of pharmaceutical equipment such as the pill machine, mortar and pestle, pharmaceutical balance, and the drug container. Few pieces of pharmaceutical equipment have been treated in separate historical studies such as these, and the project, which will include a descriptive catalog of the pharmaceutical collections in the division of medicine and public health and an annotated bibliography, will provide a much needed reference source to aid in documenting antique pharmaceutical equipment.

Other research in progress includes a history of the mechanical heart, being written with the cooperation of Calvin H. Hughes, research biologist at the Research Laboratories Division of General Motors Corporation, and a study of the medical equipment and supplies of the American Revolutionary Armies, undertaken in cooperation with Robert Davis of the Medical Museum of the Armed Forces Institute of Pathology.

Graphic arts.—Curator Jacob Kainen continued his study of the color prints of John Baptist Jackson, a work that will trace the origins of color printing in the 18th century and will emphasize Jackson's importance as an artist and color printer. It will also provide a complete descriptive catalog of his work to replace the incomplete standard catalog published in 1856.

Mr. Kainen also continued his research into the origins and development of photomechanical processes, a study intended to provide a single reference work for the diverse and complicated history of halftone printing.

Alexander J. Wedderburn, associate curator, completed a study of a hitherto unknown intermittent movement for motion picture projectors invented by Thomas Armat, noted for his inventions in this field. Mr. Wedderburn interviewed members of the inventor's family and a machinist closely associated with Armat during the period in which he made his intermittent movement devices. The study is scheduled for publication in the *Journal of the Society of Motion Picture and Television Engineers.* He continued work on his history of the camera and served as consultant to the Navy Department in the preparation of a script for a film on the origins of the motion picture.

Research by outside investigators.—In increasing numbers, outside investigators used the collections and called upon the staff for assistance on a wide variety of subjects, as shown by these examples.

Ruth Laudlu, textile designer and weaver, Oslo, Norway, studied the textile collection, especially examples of early American designs. Margaret Stratton, Russellville, Ky., is assisting Miss Rogers in locating information on a quilted counterpane received by the Museum several years ago.

K. Ramesh Rao, assistant wood technologist, Forest Research Institute, Dehra Dun, India, investigated the cataloging system, study collection, and exhibition hall of the section of wood technology and discussed future exchanges and mutual assistance. Professor Weifang Chu, Forestry College, National Taiwan University, Formosa, presently at the College of Forestry, State University of New York, completing a study of the woods of the Coniferae, examined the Museum collection of woods.

Assistance was given George Bender, editor, and Robert Thom, artist, of Parke, Davis and Company, in their research associated with the History of Pharmacy in Pictures; the Armed Forces Medical Library for their "Exhibit of the Month"; Professor Harvey Young of Emory University, on the development of patent medicines in America; and Dr. Philip V. Hammond of Howard University, who presented a paper before the Plant Science Seminar on the national materia-medica collection at the U. S. National Museum.

Jay E. Gordon, of the Naval Photographic Center, and James H. Culver, of the Library of Congress, made studies of the photographic collections in connection with an official Navy film; Edmond Archer of the Corcoran School of Art was assisted in research concerning the camera obscura and its possible use by the 17th century Dutch painter Vermeer, and Col. Willard Webb, Library of Congress, was assisted in preparing material for a television show concerning the history of photography.

History

Mendel L. Peterson, curator of military and naval history, continued his field investigation in the Florida Straits area during the months of May and June. His work, carried on under the sponsorship of Mr. Edwin A. Link on board the vessel *The Sea Diver*, this year fell into two categories: investigation of Spanish wreck sites on Silver Bank, and retracing the possible route taken by Columbus in the Bahamas during his first voyage to America.

His study in the markings and decoration of museum cannon was continued. During the year he photographed and measured cannon at Baltimore and Annapolis, Md.; Nassau, Bahamas; Grand Turk Island; Le Citadelle and Port-au-Prince, Haiti; and Havana, Cuba.

Margaret W. Brown, associate curator of civil history, prepared a booklet on The First Ladies Hall which was published for the opening of the hall. Her illustrated description of the gown of Mrs. Harry S. Truman was published as a supplement to her "Dresses of the First Ladies of the White House."

Curator of Numismatics Stuart Mosher continued his investigations of American medalists, the works of the die engraver Edward Stabler, the Hugh Miller collection of Korean charms and amulets, and the multiple thalers of Brunswick-Luneburg in the Paul A. Straub collection.

Franklin R. Bruns, Jr., associate curator of philately continued his research in several fields, among which were sources of United States postage stamp design and the postal history of Liberia.

Research by outside investigators.—Among the outside investigators working in the Department of History were Dr. F. M. Fryxell, a Guggenheim Fellow who is preparing a history of the Dr. Frederick V. Hayden Expedition; Emerson Brooks, Department of Agriculture; Lt. Col. George Chinn, Navy Bureau of Ordnance; representatives of the Bureau of Internal Revenue who examined specimens in the collections bearing on questions relating to the National Fire Arms Act; representatives of the Department of the Army, Office of the Chief of Military History; Mr. Herbert Campbell of the Remington Arms Company; Mr. Harold Peterson of the National Park Service; Congressman Louis C. Rabault of Michigan; representatives of the American Legion; representatives of the Corcoran Gallery of Art; Lt. Col. John H. Magruder, curator of the Museum of the Marine Corps.

Publications

In addition to an Annual Report, the National Museum issued 10 publications based on research in the national collections. Of these, 2 were in the Bulletin series and 8 were in the Proceedings series. The titles of these publications are listed below.

At the close of the year 17 Proceedings papers and the following four Bulletins were in press: "American Moths of the Subfamily Phycitinae," by Carl Heinrich; "The Honey-Guides," by Herbert Friedmann; "Nearctic Wasps of the Subfamilies Pepsinae and Ceropalinae," by Henry Townes; and "Checklist of the Coleopterous Insects of Mexico, Central America, the West Indies, and South America," Part 6, by Richard E. Blackwelder.

Publications by the staff, including honorary members, totaled 144. These publications, listed on pages 47 to 53, were distributed as follows:

Department	*Publications*	*Department*	*Publications*
Anthropology	27	History	7
Botany	23	Zoology	57
Engineering and Industries	9		
Geology	21	Total	144

Publications of the United States National Museum

July 1954 through June 1955

REPORTS

The United States National Museum annual report for the year ended June 30, 1954. 8vo, ix + 100 pp. January 14, 1955.

BULLETINS

Bulletin 205. List of North American Recent mammals, by Gerrit S. Miller, Jr., and Remington Kellogg. 8vo, xii + 954 pp. March 3, 1955.

Bulletin 206. Frogs of southeastern Brazil, by Doris M. Cochran. 8vo, xi + 423 pp., 28 figs., front. and 34 pls. June 22, 1955.

PAPERS PUBLISHED IN SEPARATE FORM

From Volume 103 of the Proceedings

No. 3334. A supplement to W. M. Tattersall's review of the Mysidacea of the United States National Museum, by Albert H. Banner. Pp. 575–583. July 8, 1954.

No. 3335. On the anatomy and relationships of glossy cuckoos of the genera *Chrysococcyx*, *Lampromorpha*, and *Chalcites*, by Andrew J. Berger. Pp. 585–597, figs. 69–71. January 19, 1955.

No. 3336. Supplement and corrections to J. A. Hyslop's genotypes of the elaterid beetles of the world, by Ross H. Arnett, Jr. Pp. 599–619. April 14, 1955.

No. 3337. Neotropical Miridae, LXIV: New bugs of the subfamily Cylapinae (Hemiptera), by José C. M. Carvalho. Pp. 621–632, figs. 72–76, pl. 15. March 2, 1955.

From Volume 104 of the Proceedings

No. 3338. Revision of the vittate species of the chrysomelid beetle genus *Disonycha* from the Americas south of the United States, by Doris Holmes Blake. Pp. 1–86, figs. 1–75. April 4, 1955.

No. 3339. A revision of the Nearctic species of the beetle genus *Meligethes* (Nitidulidae), by Alan M. Easton. Pp. 87–103, figs. 76–78. February 25, 1955.

No. 3340. Four new Venezuelan reduviid bugs, by J. Maldonado Capriles. Pp. 105–113, figs. 79, 80. March 28, 1955.

No. 3341. Some polyclad flatworms from the West Indies and Florida, by Libbie H. Hyman. Pp. 115–150, figs. 81–89. May 2, 1955.

Publications by Members of the Staff of the United States National Museum

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Donors to the National Collections

(Except when otherwise indicated, the specimens were presented by individual donors or were transferred by the Bureaus of the Government in accordance with law)

Abbott, Mrs. Donald P., Pacific Grove, Calif.: 75 bottles of diatom material (202764).

Abbott, Dr. Donald P. (See Hopkins Marine Station)

Abreu, M. R., Guaro, Oriente, Cuba: Nautiloid cephalopod from Tertiary of Cuba (200864).

Abriol, Col. R., Manila, P. I.: 1 horseshoe crab from Malampaya Sound, Philippines (205823).

Academy of Natural Sciences of Philadelphia, Philadelphia, Pa.: 1 paratype of a new subspecies of land snail from Texas (203844); 2,009 plants collected by Dr. F. W. Pennell (205991, exchange).

Aczél, Dr. Martin L., Tucumán, Argentina: 6 fruit flies from South America (206065).

Adams, Dr. C. D., Achimota, Gold Coast, Africa: 32 West African ferns (202916, exchange).

Adams, Mrs. Scott, Chevy Chase, Md.: 218 pieces—costumes and costume accessories of late 18th and 19th centuries, sofa, 2 tables of mid-19th century, 2 foot warmers, wine bottle dated "1845," and cast iron kettle (206516).

Aellen, Dr. Paul, Basel, Switzerland: 10 specimens of plants (193792).

Agriculture, U. S. Department of, Washington, D. C.: *Agricultural Research Service:* 77 grasses from India, Pakistan and Afghanistan (202626); 81 miscellaneous plants (203054, 204604); 5 plants collected in Africa (203328); 7 land snails from Cuba and Eire (203908); 5,066 plants from Afghanistan, India, and Iran collected by Walter Koelz (205545). *Entomology Research Branch:* 5 land mollusks and 1 copepod from Azores (202992); 4 brackish water snails from Colombia (204539); 4 land mollusks from México, Costa Rica, the Canal Zone, and Panamá (204794, 205826); 2 land snails and 4 crustacea from Ecuador and Madeira (205151); 7 mollusks from Honduras and St. Thomas, V. I. (206016); 35,239 insects from all over the world (206527); (through W. H. Anderson) 18 amphipods with unknown grass from the Azores (202442); (through Dr. Paul W. Oman) 6 land snails from Louisiana, Ecuador, Jamaica, and Trinidad (203271, 203456, 205368); 11 hermit crabs collected from an airplane from Wake Island by D. H. Bixby (205500); (through G. F. Callaghan) 1 land snail from Cuba (204008). *Horticultural Crops Research Branch:* 575 cryptogams and 86 grasses (205426, 205546); 4 plants from Texas (206561); (through Dr. H. S. Gentry) 10 plants (203706); (through Dr. Donovan S. Correll) 30 Mexican ferns (204395); (through Dr. W. Andrew Archer) 87 ferns from India (205146); (through Dr. John A. Stevenson) 940 specimens of plants and 47 marine algae (205544, 205551); 242 miscellaneous bryophytes collected in New York (205715). *National Arboretum:* 360 grasses from Colombia and India (193146); 330 cryptogams from India (204556); 18 phanerogams from Colombia and Puerto Rico (205716); 7 plants from various regions (204772). *Rubber Plant Investigations:* 983 plants collected in Colombia by Dr. R. E. Schultes (203546). *Forest Service:* 34,786 miscellaneous insects from North America (206528); (through Doris Hayes) 1 fern from Florida (204771).

Agricultural and Mechanical College of Texas, College Station, Texas: 32 specimens of miscellaneous grasses (204592).

Akers, W. H., New Orleans, La.: Foraminifer holotype from Recent of Louisiana (203125).

Alabama Polytechnic Institute, Auburn, Ala.: (Through Prof. Donald E. Davis) 152 specimens of mosses from Washington and Florida (205425).

Albanese, John S., Union, N. J.: 1 schallerite with hedyphane in granular franklinite ore from Franklin, N. J. (203806).

Aldrich, Dr. John W. (See Interior, U. S. Department of, *Fish and Wildlife Service*)

Alicata, Dr. Joseph E., Honolulu, T. H.: 71 land and fresh-water mollusks from Jordan (205945).

Allanson, B. R. (See Cape Town, University of)

Allard, H. A., Arlington, Va.: 95 plants from Virginia (204606).

Allen, Robert D., Claremont, Calif.: 1 mineral from Death Valley Calif. (206564).

Alpern, William J., Bridgeport, Conn.: Pyrolusite from Tetagouche River near Bathurst, New Brunswick, Canada (204394).

Alvarez, Dr. José. (See Escuela Nacional De Ciencias Biologicas)

Amadon, Dr. Dean. (See American Museum of Natural History)

Amano, Tetsuo, Naha, Okinawa: 120 plants collected on Okinawa (203157).

American Medical Association, Chicago, Ill.: "Height and Weight" Exhibit (205103).

American Museum of Natural History, New York, N. Y.: (Through J. T. Nichols) 3 fishes, including 1 paratype, from Florida (202826, exchange); (through Dr. Mont A. Cazier) 131 bugs from Bimini (203306); (through Patricia Vaurie) 1 paratype weevil from México (203339); (through Dr. Norman D. Newell) 2,633 specimens of fossil plants, including 237 figured and type specimens, about 1,800 Paleozoic and 1,596 Mesozoic and Tertiary plants (204745, exchange); (through Dr. Dean Amadon) 4 Madagascar birds (205851, exchange).

American Society of Photographic Art: (Through Edward L. Bafford) 51 prints by members of the Society for special exhibition during June 1955 (206534, loan).

American Viscose Corporation, Philadelphia, Pa.: 1 xanthate crumb, 3 rayon fabrics (202699).

Anaconda Copper Mining Co., Grants, N. Mex.: (Through James Elias) 1 uranophane from Jurassic Todilto formation, Valencia County, N. Mex. (204599).

Ananthakrishnan, T. N., Madras, South India: 8 slides of thrips from India (202979, exchange).

Andersen, Dr. Harold V., Baton Rouge, La.: 3 foraminiferal samples from Eocene of Louisiana (204736, exchange).

Anderson, F. A. (See Burdick Corporation)

Anderson, Karen, Arlington, Va.: Hand-painted, and decorated, china silk fan, late 19th century (203722).

Anderson, Philip, Cambridge, Mass.: (Through Dr. Arthur Boucot) 1 Mississippian crinoid from Greencastle, Ind. (203772).

Anderson, W. H. (See Agriculture, U. S. Department of)

Anonymous: Silk commemorative handkerchief, World's Columbian Exposition, 1893 (204097); 1 egg of extinct elephant bird (205515); 5 miscellaneous notes of 1786, 1857, 1858 and 1862–1874 (206056); (through Library of Congress) medallion in porcelain of George Washington (205980).

Anisgard, Harry W., Maracaibo, Venezuela: 8 microsamples Foraminifera from Cretaceous, Eocene, Oligocene, and Miocene of Venezuela (203161); 1 echinoid from Eocene of Venezuela (203329).

Ansari, Dr. N., Teheran, Iran: 12 mosquitoes from Iran (202611).

Archbold Biological Station, Lake Placid, Fla.: (Through L. J. Brass) 1 fern specimen from Florida (205435).

Archer, Dr. W. Andrew (See Agriculture, U. S. Department of).

Armstrong Cork Co., Lancaster, Pa.: 61 small glass and plastic prescription containers (205915).

Armstrong, Mrs. Dorothy Hall, Bronxville, N. Y.: 1 Hall typewriter (205421).

Armstrong, Mrs. Edwin H., Rye Beach, N. H.: 11 electronic devices representing original inventions of Major Armstrong (202631).

Arnaud, Dr. Paul H., San Francisco, Calif.: 100 flies from Japan (206568).

Arnett, Dr. Ross H., Jr., Rochester, N. Y.: 640 beetles from India (203080, 203332).

Arnold, Mrs. John M., East Orange, N. J.: Washington Bi-Centennial silk commemorative handkerchief (203576).

Arp, Mr. and Mrs. L. G., Elkhorn, Wis.: (Through Mr. and Mrs. Arnold Miles) 1 white cotton apron of late 19th century with rhyme embroidered upon it in red (206480).

Artia, Ltd. (See Czechoslovakia, Government of)

Ashley, George, Pala, Calif.: Beryl crystal in matrix of montmorillonite and feldspar from Vandenburg mine, Pala, Calif. (203189, exchange).

Atchison, Topeka, and Santa Fe Railway Co., Prewitt, N. Mex.: (Through T. O. Evans) 1 specimen of saurian leg bone, partially replaced by pitchblende, from McKinley County, N. Mex. (205560).

Atlantic Biological Station, St. Andrews, New Brunswick, Canada: (Through H. D. Fisher) 3 cetaceans (204653).

Atomic Energy Commission, Washington, D. C.: 617 plants collected by F. R. Nease from White Oak Creek and Lake Area, Oak Ridge National Laboratory (204202).

Aurouze, Mlle. G., Paris, France: 1 microsample from Eocene of France (203064).

Australia, Commonwealth Government of, *Department of Agriculture:* 1 fern from Paraguay (202130); 193 Australian plants (202917, exchange). *Botanic Museum and Herbarium:* 232 plants of Queensland and the Solomon Islands (203803, exchange). *Commonwealth Scientific and Industrial Research Organization:* 1 plant, cultivated in Australia (203327); 87 specimens of plants from northern Australia (206351, exchange); (through Dr. J. M. Thomson) 33 fishes from Australia (203037, exchange).

Axelrod, Herbert, New York, N. Y.: 28 golden tetra fishes, including types, from Georgetown, British Guiana (201839).

Bacon, B. B., Front Royal, Va.: 264 marine mollusks from near Aitape, New Guinea (205979).

Bafford, Edward L. (See American Society of Photographic Art)

Baker, Benjamin, Front Royal, Va.: 6 starfish, one with only four rays, from coral reef, Seleo Island, near Aitape, New Guinea (202753).

Baldinger, Col. O. M., Pasadena, Calif: 104 specimens: clothing and personal relics of President and Mrs. Warren G. Harding, uniforms for Major of the Infantry, Regular Army, ca. 1910, and uniforms worn by donor as personal military aide to President Warren G. Harding (201626).

Baldwin, Dr. J. T., Jr., Williamsburg, Va.: 1 red bat from Virginia (203766).

Bandy, Dr. Mark, Redfield, Iowa: 26 specimens of block mica, and 1 rutile from Miami District, Southern Rhodesia (203896).

Bandy, Dr. Orville L., Los Angeles, Calif.: 33 Foraminifera from Miocene of California (204469, exchange).

Banks, Mrs. Edgar J., Eustis, Fla.: 75 items of needlepoint lace, drawn work, embroideries and edgings, and other accessories of 19th-century ladies' and infants' dress (204996).

Barker, Dr. David. (See Hong Kong, University of)

Barker, Elonzo L., Deale, Md.: 1 double-zither type stringed instrument (204720).

Barlow, Dr. Eric. (See Southern Rhodesia Geological Survey)

Barnard, Dr. J. Laurens. (See Southern California, University of, *Allan Hancock Foundation*)

Barnes, Mrs. Alice Toole (deceased): (Through Elizabeth Barnes) 20 specimens of costumes, costume accessories, children's clothes of 19th century; 4 bedspreads and piece of tapa cloth (204487); (through Col. Theodore Barnes, Jr.) 1 single-woven Jacquard coverlet (206519).

Barnes, Elizabeth. (See Barnes, Mrs. Alice Toole)

Barnes, George (deceased): (Through Col. Theodore Barnes, Jr.) Alabaster hand-carved pedestal and fireplace hood and facing (204486).

Barnes, Mabel A. (deceased): (Through Col. Theodore Barnes, Jr.) 28 specimens or late 19th- and early 20th-century dolls and doll clothes, collection of Indian basketry, water jars, metate and mano; Chinese jar (204485).

Barnes, Col. Theodore, Jr. (See Barnes, Mrs. Alice Toole; Barnes, George; Barnes, Mabel A.; Woodruff, Pauline B.)

Barr, Dr. A. Ralph, St. Paul, Minn.: 12 mosquitoes and 2 flies from Minnesota (203308, 205893, 206531).

Bartenstein, Dr. Helmut, Celle, Germany: 6 Foraminifera from Cretaceous of Austria and Jurassic of Germany (204915, exchange).

Bartholomew, Dr. George A., Jr., Los Angeles, Calif.: 1 barnacle from an elephant seal, San Nicolas Island (182915).

Bartley, Floyd, Circleville, Ohio: 120 plants collected in Ohio and adjacent areas (204457).

Bartsch, Dr. Paul, Lorton, Va.: 2 beetles and 1 land snail from Virginia, 1 silver-haired bat, 3 birds (202924, 203417, 204621, 204882).

Baschant, Dr. Rudolf, Linz, Austria: 100 Austrian plants mostly collected by donor (202851, exchange).

Bassindale, Dr. R., Bristol, England: 190 shrimps and 15 miscellaneous marine invertebrates collected by donor from Gold Coast (203870).

Bastos Tigre, Carlos. (See Ministério da Viação e Obras Públicas)

Bayer, Frederick M., Washington, D. C.: 13 fresh-water snails from Virginia (202679).

Bayerisches Feldspatwerk, Weiden, Germany: (Through Herr Direktor Wildenauer) 8 minerals from Hagendorf-Sud mine, Hagendorf, near Pleystein, Oberpfalz, Germany (204302).

Bayly, Mrs. Clay, Boston, Mass.: 1 green satin dress, ca. 1895, and 1 fireplace screen of French bronze, Louis XVI style (206486).

Bears Bluff Laboratories, Wadmalaw Island, S. C.: (Through Dr. G. Robert Lunz) 1 fish from off Kiawah Island, S. C. (204195).

Beaudoin, Kenneth L., Memphis, Tenn.: 2 bones of swamp rabbit (201896).

Beck, William M., Jr. (See Florida State Board of Health)

Becker, George E., St. Louis, Mo.: Early electric door bell (204109).

Beck-Lee Corporation, Chicago, Ill.: 1937 office model electrocardiagraph (203311).

Beckmann, Dr. H., Berkhopen ub. Peine, Germany: 6 Devonian Foraminifera from Germany (205281).

Beckwith, Frank D., Charles Town, W. Va.: Zanze, iron double bell, and hand rattle of cut seed pods collected about 1900 by Warren Cramet in Belgian Congo (203043).

Becraft, David T., Lodi, Calif.: 12 miscellaneous land and marine mollusks (202926, exchange).

Beer, Dr. Robert E., Lawrence, Kans.: 51 mites including holotype from Kansas (205996).

Beetle, Dorothy E., Laramie, Wyo.: 72 fresh-water mollusks from Wyoming, Colorado, and New Mexico (202137).

Beier, Dr. Max. (See Naturhistorische Museum, Vienna)

Belgium, Government of, *Station d'Entomologie de l'État, Ministere de l'Agriculture,* Gembloux: (Through Dr. W. E. van den Bruel) 3 muskrats from Belgium (201840).

Belkin, Dr. J. N., Los Angeles, Calif.: 9 mosquitoes from Arizona (203595).

Bellini, Dr. E., Modena, Italy: 2 microsamples of Foraminifera from Tertiary of Italy (204673, exchange).

Ben-Dor, Dr. I., New York, N. Y.: 3 used Israel "Coin" stamps (205617).

Benedict, J. E., Jr., Silver Spring, Md.: 1 wood pewee (202853).

Benesh, Bernard, Burrville, Tenn.: 4 beetles (206569).

Bengston, Mrs. George, Evansdale–Waterloo, Iowa: 187 land and fresh-water mollusks from Iowa (203351).

Bennett, Dr. Harry J., Baton Rouge, La.: 3 balanoglossids from Grand Isle (198968).

Benson Grubstakers, and Panama Canal Natural History Society, Balboa, Panamá: (Through James Zetek) 1,255 bird skins (203049).

Bentinck, William C., Berkeley, Calif.: 14 blackflies from Japan (202862).

Berg, Dr. Clifford O., Ithaca, N. Y.: 52 insects from New York (206530).

Bermúdez, Dr. Pedro J., Jusepín, Venezuela: 10 Foraminifera from Recent of the Caribbean (203297); 34 Foraminifera from Cretaceous of Cuba and Jamaica (204916, exchange).

Berner, Leo D., La Jolla, Calif.: 23 type pelagic tunicates (202524).

Berry, Dr. S. Stillman, Redlands, Calif.: 43 marine and fresh-water mollusks, including paratypes of new species, from western part of the North American continent, and 19 paratypes of new species of marine mollusks from the Pleistocene of southern California (202750).

Bestor, Charles. (See Juilliard School of Music)

Bettenstaedt, Dr. F., Hannover, Germany: 150 Cretaceous Foraminifera from northern Germany (203291, exchange).

Bieda, Prof. Dr. Franciszek, Cracow, Poland: 85 Foraminifera from the Jurassic of Poland (205952, exchange).

Biese, Dr. Walter N., Santiago, Chile: 293 fresh-water shells, including paratypes, from Chile (204473, exchange).

Biester, Mrs. Rae V. (See Treasury Department, *Bureau of the Mint*)

Biezanko, Dr. C. M., Pelotas, Rio Grande do Sul, Brazil: 293 miscellaneous insects (203869); 362 insects from Brazil (206062, 206064, 206070, 206570).

Biggs, Joseph D., Washington, D. C.: 1 gray fox from Washington, D. C. (204805).

Bishop Museum, Bernice P., Honolulu, T. H.: 183 plants of Micronesia and Rotuma; 398 plants of Fiji and Hawaii, collected by H. St. John and others (205240, 205990, exchange).

Blake, Mrs. Doris, Washington, D. C.: 142 beetles from Texas (206455).

Blakeslee, Maj. Theodore C. (See Defense, Department of, *Department of the Army*)

Blandford, Ned, McLean, Va.: 1 bornite from Fairfax Quarry, Centreville, Va. (203981); 3 chabazite specimens from Lane County, Oreg. (205093).

Blandy Experimental Farm, Boyce, Va.: 34 plants (203122).

Blanton, Col. F. S., Washington, D. C.: 265 miscellaneous insects from Panamá (202982, 205097).

Bliven, Brunson P., Eureka, Calif.: 16 type bugs (204800).

Blom, Richard A., Sioux Falls, S. Dak.: 3 land snails from South Dakota (204857).

Blume, Dr. Werner, Goettingen, Germany: 102 land and marine mollusks from Egypt and Syria (203234, exchange).

Bobst, Elmer H. (See Warner-Chilcott Laboratories)

Boerger, Alfred G., Toledo, Ohio: 1 folder letter sheet with reprint of "Magnus" view of Chicago (205614).

Bolli, Dr. Hans, Trinidad, B. W. I.: 6 Foraminifera from the Cretaceous of Tunisia (198177); 2 samples of Recent river mud for Protozoa from Trinidad (203295); 31 Foraminifera from Oligocene of Trinidad (203522, 204467); 200 Foraminifera and 1 microsample from Cretaceous and Tertiary of Trinidad, B. W. I. (206355, exchange).

Boole, John A., Jr., Chapel Hill, N. C.: 25 microscope mounts of woods (204696, exchange).

Borro Garcia, Primitivo, Havana, Cuba: 27 Recent and Oligocene brachiopods from Cuba (205096).

Boston Public Library, Boston, Mass.: (Through Arthur W. Heintzelman) 32 etchings by Mr. Heintzelman for exhibition January 31–March 27, 1955 (204716, loan).

Boston University, Boston, Mass.: 39 plants collected in Alaska by Dr. A. R. Hodgdon (203052).

Botanic Garden, Washington, D. C.: 1 trunk section of a dwarf Hinoki False-cypress (205986).

Botanisch Museum en Herbarium, Utrecht, Netherlands: 124 ferns, including types (204667, exchange).

Botanische Staatssammlung, Munich, Germany: 1 plant from México (205200).

Botanisches Institut der Universitat, Heidelberg, Germany: 380 plants collected in Perú and Ecuador by Prof. Dr. Werner Rauh (204887).

Bottimer, L. J., Kerrville, Tex.: 1 beetle from New Jersey (204839).

Boucot, Dr. Arthur J., Arlington, Va.: 2,000 invertebrate fossils from Silurian and Devonian formations of New Brunswick, Nova Scotia, and Quebec (203552); 2 minerals from Richmond, N. H., and Deadman's Canyon, El Paso County, Colo. (203956, exchange); 10 tungsten ores from North Carolina, 1 jarosite from Maryland, 1 diadochite from Tennessee, and 1 chabazite from West Greenland (204464, exchange); 1 mineral, glaucodot, from Quartzberg, Oreg. (205283); 10 brachiopods from Silurian of New York (206035); 1 siderite specimen from Greenland (206506). (See also Anderson, Philip; Gould, James; and Kingsley, Prof. Louise)

Bousfield, Dr. E. L. (See Canada, Government of)

Boush, Dr. G. Mallory, Lexington, Ky.: 2 crayfishes from Kentucky (203645).

Bowman, Capt. H. E., Ventura, Calif.: Skull of Indian female found on bank of Ventura River (205525).

Bowman, Dr. Thomas E., Washington, D. C.: 993 marine invertebrates and 2 gastropods from the Pacific (203690). (See also Scripps Institute of Oceanography)

Box, Harold E., Port-of-Spain, Trinidad, B. W. I.: 8 moths from Central and South America (203307).

Bradford, Faith, Chevy Chase, Md.: 1 pink brocade christening blanket; cotton exercise suit worn by donor's mother, and iron slave collar, both of 1860 period (204880, 205244).

Brady, Thomas F., Yorktown Village, Va.: 10 amphibians and reptiles from Elk Mountain, Nelson County, Va. (206341).

Branham, Mrs. Hugh, Fort Myers Beach, Fla.: 1 marine mollusk from East Africa (203427).

Brantley, Odell M., Silesia, Md.: 1 raccoon from Maryland (205412).

Brass, L. J. (See Archbold Biological Station)

Brazer, Dr. Clarence W., Flushing, N. Y.: 28 U. S. cigar and snuff Internal Revenue stamps, overprinted (204479).

Breckenridge, Dr. Jack D., Centralia, Wash.: Polished slab of agate from near Tono, Wash. (203779).

Bridwell, J. C., Lignum, Va.: 119 weevils and 4 hymenopterous parasites (205098).

Brigham Young University, Provo, Utah: 30 grasses from Utah (201298).

Brissaud, Marce, Trona, Calif.: 20 saline minerals from Searles Lake, Calif. (205802, exchange).

Brittan, Dr. Martin R. (See Sacramento State College)

Bronnimann, Dr. P., Havana, Cuba: 275 type specimens of Foraminifera from Cretaceous and Tertiary of Cuba and Trinidad (203721).

Brother Ginés. (See Sociedad de Ciencias Naturales La Salle, Caracas)

Brown, Noel, Havana, Cuba: 48 Foraminifera from the Cretaceous of Cuba (203720, exchange); 3 microsamples from Cretaceous of Texas (204388, exchange).

Brown, Paul L., Champaign, Ill.: 3 crayfishes (205359).

Brown, Dr. W. L. (See Harvard University, *Museum of Comparative Zoology*)

Bruce, David K. E., Washington, D. C.: 122 first flight covers in 2 volumes, dating from 1929 to 1938 (206484).

Brunel, Pierre. (See Nadeau, Victor)

Brunner, Dr. Henri, Lausanne, Switzerland: 96 European ferns (205434, exchange).

Bruns, Franklin R., Jr., Washington, D. C.: Collection of Chinese stamps, 1878–1940 (204197); 3,014 foreign and domestic philatelic specimens (204198, 204894, 205628, 206372, 206492, 206538).

Bruns, Hattie H., New York, N. Y.: 1 United States first day cover and 1 United Nations first day cover (205616).

Brunson, Dr. Royal Bruce, Missoula, Mont.: 22 specimens gastrotricha from Michigan (205251). (See also Prescott, Dr. Gerald W.)

Brush, Warren D., Silver Spring, Md.: 7 phanerogams (206028).

Bullis, Harvey, Jr. (See Interior, Department of the, *Fish and Wildlife Service*)

Burch, John B., Ann Arbor, Mich.: 210 land snails from Virginia (204540).

Burch, Mrs. T. A., Silver Spring, Md.: 2 mammals from Liberia (206450).

Burdick Corporation, Milton, Wis.: (Through F. A. Anderson) Modern electrocardiograph display (203309).

Burkhart, J. (See Hattrick, E. N.)

Burks, Dr. B. D., Washington, D. C.: Approximately 2,000 miscellaneous adult insects collected by donor in May–June, 1954, near Paris, France (202866).

Burlingame, Agnes. (See Women's International Stamp Club)

Burroughs, Paul, Concord, N. H.: 1 cut rose quartz from Minas Gerais, Brazil (203983, exchange); 1 rockbridgeite specimen from Fletcher mine, North Groton, N. H. (204676, exchange); 1 cut rose quartz from Brazil (205882, exchange).

Bushee, Mrs. Florence, Newbury, Mass.: 63 antique paperweights and associated specimens of glass (205600, loan).

Butler, Mrs. Virginia, Osterville, Mass.: 4 pieces of gold and black Chinese lacquer from Foochow (203542).

Butler University, Indianapolis, Ind.: (Through Dean K. L. Kaufman) All-glass Oldberg percolator, ca. 1890 (204491).

Byas, Walter J., Washington, D. C.: 48 land mollusks from Warren County, Va., (203337).

Cahalane, Victor H. (See Interior, U. S. Department of the, *National Park Service*)

Calderwood, Stanford. (See Polaroid Corporation)

California, University of, Berkeley, Calif.: 5 grasses from California (202691, 204106); 845 plants, mostly collected in El Salvador by J. Tucker (203605, gift-exchange); (through Dr. Deane Furman) 8 fresh-water snails from California (202217); (through Boyd W. Walker) 16 fishes, including 2 paratypes, from tropical Pacific Ocean (202444, exchange); (through Beecher Crampton) 12 grasses collected in California (205285); (through Dr. Paul D. Hurd, Jr.) 1 first-stage meloid larvae, blister beetles (205537).

California Academy of Sciences, San Francisco, Calif.: 2 grasses from California (204608); 449 plants from California (205906, exchange); (through Dr. Hugh B. Leech) 4 beetles from British Columbia and Oregon (202987). (See also Interior, U. S. Department of, *Fish and Wildlife Service*)

California State Fisheries Laboratory, San Pedro, Calif.: (Through John E. Fitch) 1 fish, holotype, taken May 3, 1954, by Harold B. Clemens on tuna clipper *Mayflower* (202845).

Callaghan, G. F. (See Agriculture, U. S. Department of, *Entomology Research Branch*)

Cambridge, Mrs. Henry S., Wilmette, Ill.: 2 vests, lined with fur, used by U. S. Navy during World War II (204488).

Cambridge, Philip, Cardiff, South Wales: 75 Paleozoic and Mesozoic brachiopods (205092).

Campbell, Maj. J. Duncan, Harrisburg, Pa.: 1 iron fife, ca. American Revolution (204703, exchange).

Campbell, Dr. Kenneth, Armidale, Australia: 5 Permian brachiopods from Queensland, Australia (204548, exchange).

Canada, Government of, *National Museum of Canada*, Ottawa: 139 Canadian lichens (206027, exchange); (through Dr. Loris S. Russell) 7 fossil mollusks from the Eocene, Kishenehn formation, Montana (204672); (through Dr. E. L. Bousfield) 53 specimens of amphipods (204918, exchange).

Canfield Fund, Smithsonian Institution: Turquoise nugget from Villa Grove Turquoise Lode, Colo. (203229); 1 tourmaline group from Conselheiro Pena, Brazil (203890); 2 minerals from Centreville, Va. (203891); 1 dinosaur bone replaced by agate and amethyst from western Montrose County, Colo. (204903); 400 minerals from Franklin, N. J. (204904); 6 minerals from Crystal Park, Pikes Peak, El Paso County, Colo. (204440); 3 schallerite specimens from New Jersey (205553).

Cantrall, Dr. Irving J. (See Michigan, University of)

Cape Town, University of, Rondebosch, Union of South Africa: (Through B. R. Allanson) 5 mollusks, including paratype, from South Africa (204353); (through Dr. E. A. Schelpe) 8 ferns from South Africa (206472, exchange).

Cardozo, J. S., Klamath Falls, Oreg.: 73 United States and foreign coins (201556).

Carrow, John J., Brookmont, Md.: 1 etching by G. B. Piranesi, "Veduta interna della Villa de Mecenate" (203075).

Carpenter, Dr. F. M. (See Harvard University, *Museum of Comparative Zoology*)

Carranza, Dr. Jorge. (See Instituto Mexicano De Recursos Naturales Renovables)

Carson, Frank, New Concord, Ohio: 1 nail, ca. 1825 (205256).

Carter, Ann, Tyler, Tex.: 1 Mesozoic core sample from the Gulf Coastal Plain (205249).

Carter, D. J., London, England: 4 Recent foraminiferal samples from Funafuti Atoll and the *Challenger* Expedition (203065, exchange).

Casanova, Dr. Richard L., Statesville, N. C.: 150 Tertiary invertebrate fossils from Okinawa (203610, exchange).

Casey, Raymond, London, England: 1 microsample of Lower Cretaceous from England (203057); 7 foraminiferal samples and 6 ammonites from the Lower Cretaceous (Gault) of England (205559).

Cate, Margaret Davis, Sea Island, Ga.: 1 fresh-water mussel from Georgia (203639).

Causey, David, Fayetteville, Ark.: 4 slides, comprising the type series of a trematode worm (205704); 7 lots of parasitic copepods from vicinity of Pascagoula, Miss. (204709). (See also Causey, Dr. Nell Bevel)

Causey, Dr. Nell Bevel, and Causey, Dr. David, Fayetteville, Ark.: 19 marine invertebrates, 8 echinoderms, and 7 mollusks, collected early summer 1954 at Isla de Sacrificios, off Veracruz, México (203626).

Cazier, Dr. Mont A. (See American Museum of Natural History)

Central Inland Fisheries Research Station, Calcutta, India: 33 specimens of Indian mullets (202913, exchange).

Central Institute for the Deaf, St. Louis, Mo.: (Through Dr. S. Richard Silverman) 1 "acoustic fan" hearing aid combined with a hearing trumpet (205981).

Chace, E. P. (See Natural History Museum, San Diego, Calif.)

Chadbourne, Mrs. E. C., Washington, D. C.: 5 illuminated family records, Baltimore, ca. 1850 (204721).

Chamberlain Fund, Frances Lea, Smithsonian Institution: 1 greened amethyst, and 1 twin-colored amethyst from Bahia, Brazil (202409); 1 scapolite cat's eye from Malaya (203889); 1 cut blue topaz from Bald Face Mountain, North Chatham, N. H. (204912); 1 albite Cat's eye, 42.60 carats, from Burma (205339); 2 sherry-colored topazes, Crystal Park area, Colo., 1 blue topaz from Glen Cove, Pikes Peak, Colo. (206034).

Chapman, Milton, Puerto Barrios, Guatemala: 25 butterflies and moths from Colombia (204884).

Chase, Joseph Cummings, Milwaukee, Wis.: 79 portraits of World War I U. S. Army personnel, and 1 portrait Korean War U. S. Army enlisted man (203612).

Chell, Rev. Erwin, Puttur, South India: 1 chameleon, 7 snakes, and collection of insects from Chittoor District, South India, collected by donor (204140).

Chicago Natural History Museum, Chicago, Ill.: 3 flying lizards from the Philippines, Sumatra, and Indo-China (198236, exchange); 2 plants from South America (202760); 24 plants from Venezuela and 10 from Missouri collected by J. A. Steyermark (203117, 203963, exchange); 149 plants, various regions and collectors (203587, gift-exchange); 22 plants, mostly historical specimens, from South America (204554, exchange); (through Loren P. Woods) 3 frogfishes, including 1 paratype (204527, exchange).

Christian, David M., Nanticoke, Pa.: 1 yellow-billed tropic bird (203976).

Christian, Dr. John J. (See Johns Hopkins University, *School of Hygiene and Public Health*)

Ciba Pharmaceutical Products, Inc., Summit, N. J.: 1 allergy exhibit consisting of three panels (205534).

Ciry, Professor. (See Université de Dijon)

Clancy, Jack T. (See Kremers Urban Co.)

Clark, Col. Eugene S., Jr., Sandwich, Mass., **Glass, Robert,** Ellisville, Mass., and **Slip, Roy,** Attleboro, Mass.: basket-starfish mounted in plastic (205059).

Clark, Dr. R. B., Berkeley, Calif.: 5 type polychaetes collected by M. L. Jones from San Francisco Bay, Calif., September 1953 (204377).

Clark University, Worcester, Mass.: 7 phanerogams (205651); (through Dr. David Potter) 69 ferns, 46 cryptogams from New Zealand (206093).

Clarke, Dr. J. F. Gates, Washington, D. C.: 21 land snails from Maryland (204105).

Clarke, Mr. John Semple (deceased): Model of American-type locomotive made of brass and steel (206440).

Clarke, William D., New York, N. Y.: 15 paratype mysids (203838).

Claude Ezell and Associates, Dallas, Tex.: 1 Cretaceous ammonite from near Fort Worth, Tex. (204239).

Clay, Dr. William M. (See Louisville, University of)

Clemson Agricultural College, Clemson, S. C.: 21 plants collected in Haiti by Prof. C. H. Arndt (205540); (through Frances McAlister) 4 beetles from James Island, Va. (202923).

Clench, Dr. William J. (See Harvard University, *Museum of Comparative Zoology*)

Clint, Mrs. Katherine L., Brownsville, Tex.: 14 plants from México (206563).

Cloud, Dr. Preston E., Jr. (See Interior, U. S. Department of the, *Geological Survey*)

Coats, Jim, Pratt, Kans.: 3 bird skeletons (203506).

Cogswell, Guy K., Washington, D. C.: 10 items relating to fashions and naval clothing of the early 1900's (205723).

Colby, Sylvester, New York, N. Y.: 1 United States first day pictorial postcard, franked with 2-cent Jefferson postage stamp of 1954 (205613).

Cole, Dr. A. C., Knoxville, Tenn.: 149 ants, including 18 paratypes, from North America (202860, 206029, 206573).

Cole, Dr. Lewis Gregory, White Plains, N. Y.: 1925 model of X-ray motion picture machine made by donor (203970).

Colégio Anchieta, Pôrto Alegre, Rio Grande do Sul, Brazil: 77 grasses from Brazil, collected by Dr. B. Rambo (202759).

Coleman, R. G., Falls Church, Va.: 4 minerals, 1 analyzed rock from near Idria, Calif. (205157).

Collin, H. G. (See White Motor Company)

Collins, Dr. Henry B., Washington, D. C.: 21 miscellaneous insects and spiders from Southampton Island, Hudson Bay, Canada (203531).

Colorado Agricultural and Mechanical College, Fort Collins, Colo.: 1 plant from Colorado (203053).

Columbia Stamp Co., Elmhurst, N. Y.: 1 first day cover, United Nations 3-cent ICAO stamp, Feb. 9, 1955 (205619).

Commerce, U. S. Department of, Washington, D. C.: 8 medals awarded by act of Congress, March 1914, to crew of Steamer *Kroonland* for bravery in rescuing crew of Steamer *Volturno* (203525). *Coast and Geodetic Survey:* Chronometer obtained in 1848 and marked "Arnold and Dent, 84 Strand, London, No. 1131" (206050). *Weather Bureau:* Late 19th century telescope (204611); (through Robert Wright) scientific precision clock (205420); miscellaneous meteorological instruments (204612).

Commerford, Leon, Washington, D. C.: 7 G.A.R. badges (203593).

Compere, Dr. H., Riverside, Calif.: 100 Chalcid wasps from Africa (205710).

Conant, Lewis C., Fort Myers, Fla.: 5-dollar note issued by Bank of West Florida, Appalachicola (203331).

Conkin, James E., Beeville, Tex.: 20 Foraminifera from the Mississippian of Kentucky (203058); holotype of Ordovician pelecypod from Kentucky (204391). (See also Klett, George)

Cook, Dr. Edwin F. (See Minnesota, University of)

Cooley, George R., Cambridge, Mass.: 4 grasses from Georgia and Florida (204199).

Cooper, Dr. G. Arthur, Washington, D. C.: 750 specimens of invertebrate fossils from Porterville Quarry, Va. (206509).

Cooper, Dr. K. W., Rochester, N. Y.: 2 land snails from Florida (205287).

Copenhagen, University of, Copenhagen, Denmark: 96 plants (202671, exchange); 370 plants collected in Argentina by Troels Myndel Pedersen (203904, exchange); 479 plants collected in southern Europe by Joh. Lange and C. Raunkiaer (204886, exchange).

Cornell University, Ithaca, N. Y. (Through Dr. W. J. Hamilton, Jr.): 9 small mammals from Korea (205207). *Bailey Hortorium:* 17 cultivated plants (204444, gift-exchange); (through Dr. H. E. Moore, Jr.) 5 cultivated plants (204726); 4 cultivated phanerogams (206349, exchange).

Cornman, Dr. Ivor, Washington, D. C.: 7 gorgonians, 4 isopods (204976).

Coronado, Dr. Pedro S., Lima, Perú: 115 Perúvian ferns (204232).

Correll, Dr. Donovan S. (See Agriculture, U. S. Department of, *Horticultural Crops Research Branch*)

Corroy, Professor, Marseille, France: 1 slab of rock containing Foraminifera, and 16 invertebrate fossils from Cretaceous and Triassic of France (203198, exchange).

Cortés, Raúl, Santiago, Chile: 9 flies from Chile, including allotype of new species (206066).

Corwin, Dr. Gilbert. (See Interior, U. S. Department of the, *Geological Survey*)

Costlow, Dr. John D., Jr., Beaufort, N. C.: 1 type lot of barnacles, found at Beaufort (204822).

Cott, Dr. H. Edwin, Dugway, Utah: 14 beetles (205003); 29 antlions (205005).

Cottam, Dr. Walter P. (See Utah, University of)

Cottrell, Ray E., Houston, Pa.: Finished board section of curly yellow buckeye from Canonsburg, Washington County, Pa. (205985).

Cox, Thomas F., Berkeley, Calif: 1 colored lead figure of mounted trooper, U. S. Cavalry, 1876 (202960).

Craig, Wilfred G., Ames, Iowa: 9 moths from North America (202983).

Crampton, Beecher. (See California, University of)

Crane, Max H., Brooklyn, N. Y.: 1 Eastman 3A autographic folding pocket Kodak (205479).

Crecelius, Dr. H. Gilbert, Phoenix, Ariz.: (Through Health, Education and Welfare, Department of) 2 freshwater clams from water supply of Phoenix (203613).

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Crickmay, Dr. Colin H., Calgary, Alberta, Canada: 2 Devonian brachiopods from British Columbia (205094, exchange).

Crooks, William D. (See Eli Lilly and Company)

Crown Agents for the Colonies, Washington, D. C.: (Through A. J. E. Davis) 26 philatelic specimens (203805, 204203, 205574, 206369).

Cummings, Dr. R., Glasgow, Scotland: Approximately 25 Foraminifera from the Carboniferous of Scotland and Tertiary of Africa (203070, exchange).

Curtis, Karl P., Gamboa, C. Z.: 2 brocket deer from Panamá (203603).

Curtis, Lawrence, Fort Worth, Tex.: 5 copperhead snakes from southeast Texas (205519).

Cushman Foundation for Foraminiferal Research, Washington, D. C.: (Through Dr. John B. Reeside, Jr.) 20 washed Miocene foraminiferal samples and 2 slides of Foraminifera from Austria (205399).

Cutress, Charles E., Honolulu, T. H.: 9 lots of alcyonarians (204975).

Cuvillier, Dr. J., Paris, France: 25 Foraminifera from Cretaceous of France and Paleocene of Arabia (203194, exchange).

Czechoslovakia, Government of: (Through Artia) 50 Czechoslovakian philatelic specimens (204188, 204616, 204899, 206362, 206552); Antonin Zapotocky 70th birthday mint set, first-day cover, and souvenir sheet (205219).

Dahlgreen Fund, Smithsonian Institution: "Le Coup de Vent," linoleum cut by Felix Vallotton (203968).

Dalbies, M. F., Begles, France: 8 type Foraminifera from Cretaceous of Tunisia (204739).

Dales, Dr. Phillips, London, England: 36 polychaetes, including 1 paratype (205257).

Dally, Jesse L., Morgantown, W. Va.: 60 early Mississippian brachiopods from Bluefield, W. Va. (204570, exchange).

Darlington, Dr. P. J. (See Harvard University, *Museum of Comparative Zoology*)

Darnell, Dr. Rezneat M., New Orleans, La.: 583 miscellaneous marine invertebrates from Lake Pontchartrain, Louisiana (200306). (See also Tulane University)

Davis, A. G., London, England: 100 Foraminifera from Persia (203066).

Davis, A. J. E. (See Crown Agents for the Colonies)

Davis, Dr. David E., Baltimore, Md.: Skulls of 4 deer from James Island, Md. (206524).

Davis, Prof. Donald E. (See Alabama Polytechnic Institute)

Davis, Francis W., Waltham, Mass.: Prototype power steering apparatus for automobiles constructed by donor in 1925 (202515).

Davis, Guy C., Kansas City, Mo.: 1 drawing instrument used by General Philip H. Sheridan (203524).

Davis, Dr. Jess H., (See Stevens Institute of Technology)

Dawson, Albert, Heathsville, Va.: 1 Tertiary crab from Northumberland County, Va. (203342).

de Andrade, N. F., Lisbon, Portugal: 7 paratype wasps from Cyprus (203597).

Debourle, A., Pau, France: 53 Foraminifera from Eocene of France (205554, 206357, exchange).

Defense, U. S. Department of, Washington, D. C., *Armed Forces Epidemiological Board:* (Through Lt. J. Knox Jones, Jr.) 480 mammals from Korea (202890). *Armed Forces Medical Library:* (Through R. H. Eckenbach) 1 Draeger microfilm camera (204575). Department of the Army: Commissions, relics, documents, etc., relating to career of General David L. Brainard (203592). *Army Medical Service Graduate School:* (Through Dr. Phyllis T. Johnson) 3 crayfish (204448); (through Lt. Col. Robert Traub) 350 mammals collected by Capt. William H. Lawrence in Korea, 49 birds, and 1 Malayan slow loris (202867, 206557). *Brooke Army Medical Center:* (Through Lt. Col. Samuel O. Hill) 1 red bat from Texas (202613). *406th Medical General Laboratory:* (Through Maj. Theodore C.

Blakeslee) 4 mammals collected by Lt. Howard R. Bullock in Korea (203200). *Preventive Medicine Survey:* (Through Capt. Hilton H. Earle, Jr.) 72 fishes, 38 reptiles, insects, 36 marine invertebrates, 823 mollusks (201951, 204856); (through Charles M. Keenan) 88 mammals from Panamá and Canal Zone (202695); (through Lt. J. Knox Jones, Jr.) 40 mammals from Korea (206448). *Walter Reed Army Medical Center:* (Through Lt. Col. Robert Traub) 92 fleas from North America and 345 vials of ticks, world wide (206517, 206518). Department of the Navy, *U. S. Naval Medical Research Unit No. 3:* (Through Colin Campbell Sanborn) 236 mammals from the Anglo-Egyptian Sudan (190610); (through Lt. Comdr. Robert E. Kuntz) 106 mammals from Egypt (206558); (through Dr. William H. Wells) 390 reptiles and amphibians, 8 marine fishes, 225 mollusks, 52 marine invertebrates, and 25 birds (202886, 204560). *Naval Observatory:* 1 calculating machine, Egli "Millionaire" (204773).

DeFriece, Frank W., Jr. (See Massengill Co., S. E.)

Degener, Otto, Waialua, Hawaii: 1 Hawaiian sooty tern (204883).

Deichmann, Dr. Elisabeth. (See Harvard University, *Museum of Comparative Zoology*)

de Klasz, Dr. I., Gabon, French West Africa: 25 Foraminifera from the Cretaceous of Bavaria and France, including 19 types (203071); 32 Foraminifera, including 11 paratypes, from the Cretaceous of Bavaria (203121, 203294, exchange).

de Koninck, Dr. Marcel, Quezaltenango, Guatemala: 148 grasses from Guatemala (202694, 203025, 203326, 203898); 39 plants from Guatemala (203840).

Delhi, University of, Delhi, India: 105 plants collected in India (203545, exchange).

Demaree, Dr. Delzie, Ocean Springs, Miss.: 459 plants from Mississippi (201397, 204456, 204607, 205603); 83 grasses from Mississippi and Arkansas (204025, 204360).

Denmark, Dr. H. A. (See Florida, State Plant Board of)

Dennen, Mrs. Sarah S., New York, N. Y.: Model of the yacht *America* (206439).

de Oliveira, Dr. Paulo E., Rio de Janeiro, Brazil: 1 marine mollusk from Brazil (205243); 1 pelecypod from Upper Cretaceous of Brazil (205400).

DePauw University, Greencastle, Ind.: 58 plants collected in Tonga (203606, gift-exchange).

des Abbayes, Prof. Henry N. (See Université de Rennes)

Desautels, Paul E., Towson, Md.: 1 cyanotrichite from Banat, Hungary (204730).

de Souza Lopes, Dr. H., Rio de Janeiro, Brazil: 6 marine mollusks from Fernando Noronha Island, Brazil (203611).

Diem, José, San Carlos de Bariloche, Argentina: 44 ferns from Argentina (204392).

Diener, Richard L., Reading, Pa.: 148 plants collected in Mississippi (203287).

Dietz, Ralph W., China Lake, Calif.: 1 specimen of hubnerite from California and 1 hyalite from Idaho (205331, exchange).

di Napoli Alliata, Dr. Enrico, Rome, Italy: 3 Foraminifera from Pliocene of Italy (203719).

Divisão de Defesa Sanitaria Vegetal, Rio de Janeiro, Brazil: (Through Dr. C. R. Goncalves) 633 ants from Brazil, including 11 paratypes (203374, exchange).

Division of Entomology, Pretoria, South Africa: (Through Dr. J. C. Faure) 16 thrips, including 9 paratypes, from Africa (202703).

Dix, George P., Jr., Grand Junction, Colo.: Gold in uraninite from Virgin mine, Placer de Guadeloupe, Chihuahua, México (204914, loan).

Dodds, L. B. (See Hazeltine Corporation)

Dodge, Dr. H. R., Savannah, Ga.: 5 type sarcophagid flies from Georgia (202606). (See also Health, Education

and Welfare, U. S. Department of, *U. S. Public Health Service*)

Dodge and Olcott, Inc., New York, N. Y.: (Through Ruth Farnworth) An exhibit titled "The Evolution of Flavoring Medicine" (203201).

Donken, W. P., New York, N. Y.: 1 postcard marking 25th Anniversary 1st flight Buenos Aires to Miami (204382).

Dorfman, David, Washington, D. C.: 1 unused Palestine, 5 milliemes on 1 piastre, Scott's No. 3 (206368).

Douse, Mrs. Dorothy E., Washington, D. C.: 1 German Bundespost cover, Feb. 26, 1955 (206493).

Drake, Dr. C. J., Ames, Iowa: 5 bugs from Africa (202610).

Dranga, Ted, Miami, Fla.: 4 marine mollusks from Costa Rica (205703).

Drooger, Dr. C. W., Utrecht, Netherlands: 2 Foraminifera from Tertiary of East Indies (204740).

Duke University, Durham, N. C.: (Through Donald W. Strasburg) 19 fishes, mostly from Arno Atoll, Marshall Islands, collected by Mr. Strasburg (202825); 23 fishes, including types of blennies from the Hawaiian Islands (206053).

Dupérier, Roger, Biarritz, France: 5 Recent brachiopods from off the coast of France (203199).

Dupont, James M., Stirling, N. J.: 2 jadeite celts from Patuzún, Guatemala (204775); 2 mineral specimens from Canada and Germany (204936, exchange).

Earle, Capt. Hilton H., Jr. (See Defense, Department of, *Department of the Army*)

Ebert, F. M., Tamaqua, Pa.: 10 freshwater pearls and 12 Unio shells from Schuylkill River, Pa. (204856).

Eckenbach, R. H. (See Department of Defense, *Armed Forces Medical Library*)

École d'Agriculture, Rimouski, Quebec, Canada: 24 grasses from Canada (203764); 12 plants (204559, exchange).

Eddy, Dr. Samuel. (See Minnesota, University of)

Eggler, Prof. Willis A. (See Newcomb College)

Eichner, L. C., Clifton, N. J.: Reproduction of Isaac Newton's telescope (205702, loan).

Eickemeyer Fund, Smithsonian Institution: 1 motion picture camera, 17.5 mm., made about 1915 for Thomas Armat by Joseph Chlopicki (205522).

Eide, Paul M., Mount Vernon, Wash.: 6 moths (205064).

Eisenack, Prof. Dr. A., Reutlingen, Germany: 3 slides of Ordovician Foraminifera from Germany (205250, exchange).

Eisenhower, President Dwight D., Washington, D. C.: 3 painted pottery vases presented to President Eisenhower by Ulysses O. C. Tsangarides on behalf of people of Cyprus (203984); vase of bone china commemorating the coronation, June 2, 1953, of Queen Elizabeth II, presented to the United States of America through the British Embassy (205524, deposit).

Eisenhower, Mrs. Dwight D., Washington, D. C.: Pair of pink silk opera-length gloves worn by donor with her inaugural ball gown (203303); pearl and rhinestone choker-type necklace, bracelet and earrings, worn by donor with inaugural ball gown (203966).

Elbel, Robert E., Bangkok, Thailand: 182 mammals and 435 birds collected in Siam by Mr. Elbel and Dr. Boonsong Lekagul (206514).

Eli Lilly and Company, Indianapolis, Ind.: (Through William D. Crooks) Replica of Kimble ampoule (original anti-toxin bulb) made of amber glass, and set of ampoule slides with descriptive cards (203203).

Elias, James. (See Anaconda Copper Mining Co.)

Ellis, T. K., Hot Springs, Va.: 300 cladocerans, 496 mysids, and 4 shrimps from South Carolina (200849).

Ellsworth, D. W., Lynnwood, Wash.: Pen and ink drawing of battle of Vicksburg made during the Civil War by Alfred Garrett (206540).

Ely, Mrs. Myra H., Washington, D. C.: Diary kept by Joseph K. Hoyt, Company

G, 45th Brigade, Illinois Volunteers, 1863 (204804).

Emerson, Dr. A. E., Chicago, Ill.: 15 termites from Illinois (205708).

Emerson, Lt. Col. K. C., Fort Leavenworth, Kans.: 32 lice, including 10 paratypes, from Europe, South Asia, and Philippine Islands (203171).

Emerson, William K., Berkeley, Calif.: 1 specimen of Gorgonian (203846).

Emery, Charles E., Annapolis, Md.: 53 pictorial photographs by Charles E. Emery for special exhibition March–April 1955 (205237, loan).

Enders, Dr. Robert K., Swarthmore, Pa.: 23 mammals from Pakistan (202868); 269 mammals from vicinity of Jackson Hole, Wyo. (202989); 31 rats from Saipan, Marianas Islands (202990).

Engler, Arthur, Oakland, Calif.: 1 signed die proof of unofficial Santa Claus poster stamp (202446).

Erdman, Donald S., Mayagüez, Puerto Rico: (Through Isaac Ginsburg) 4 fishes collected near the mouth of Guajataca River, Puerto Rico (203290).

Escuela Agrícola Panamericana, Tegucigalpa, Honduras: 1 fern from Honduras (202449); 427 plants of Honduras (204103, exchange).

Escuela Nacional de Ciencias Biologicas, México, D. F.: (Through Dr. José Alvarez) 6 paratype fishes (203160, exchange).

Estação Agronómica Nacional, Sacavém, Portugal: 97 plants of Portugal (205909, exchange).

Estación Experimental Agronómica, Santiago de las Vegas, Cuba: (Through Ing. de F. Zayas) 65 bugs from Cuba (203305).

Estes, Michael W., Washington, D. C.: Brazilian bow and 3 arrows and necklace (205898).

Evans, Mark, Wallace, Idaho: 2 samples of heavy sands from California Creek, Idaho (202766).

Evans, T. O. (See Atchison, Topeka and Santa Fe Railway Co.)

Fabian, Dominick, Portland, Oreg.: 2 first-day covers (204192, 206496).

Fahrenbach, W. H., Berkeley, Calif.: 7 type copepods collected at Moss Beach, San Mateo County, Calif. (202019).

Fairchild, Dr. Graham Bell, Monticello, Fla.: 29 flies, including paratypes of 9 species (206063).

Fargo, William G., Jackson, Mich.: 75 paratype Pliocene Mollusca from Florida (202920).

Farnworth, Ruth. (See Dodge and Olcott, Inc.)

Fassett, Norman C., Madison, Wis.: 1 four-eyed fish collected in Río Desagüe, at Desagüe outlet of Lago de Güija, El Salvador (203240).

Faure, Dr. J. C. (See Division of Entomology)

Faust, Burton, Washington, D. C.: 18 land snails from Cathedral Caverns near Woodville, Ala., 20 earthworms, and 16 insects (202869).

Ferguson, Dr. Edward, Jr., Orangeburg, S. C.: 5 type specimens of ostracods (205111).

Ferguson, William E., Berkeley, Calif.: 3 wasps from North America (203018, exchange).

Ferreyra, Dr. Ramón. (See Museo de Historia Natural "Javier Prado")

Ferriere, Dr. Charles. (See Museum of Natural History)

Fernandez-Yepez, Dr. F. (See Universidad Central de Venezuela)

Fessenden, G. Russell, Baltimore, Md.: 5 plants and 3 ferns from Maryland (205431, 205910).

Feth, J. H. (See Interior, U. S. Department of the, *Geological Survey*)

Field, Dr. Henry, Coconut Grove, Fla.: 1 crab collected in Anglo-Egyptian Sudan (202893); 16 plants collected in Wyoming (203368).

Fisher, George B., Reading, Pa.: 13 fishes from aquaria (201400).

Fisher, H. D. (See Atlantic Biological Station)

Fitch, John E. (See California State Fisheries Laboratory)

Fix, Ernest E., Susanville, Calif.: 1 scorpion from California (204801).

Florida, State Board of Health of, Jacksonville, Fla.: (Through William

M. Beck, Jr.) 93 biting midge larvae from Florida (202609).

Florida, State Plant Board of, Gainesville, Fla.: (Through Dr. H. A. Denmark) 5 land snails from Dade County, Fla. (202722).

Florida, University of, Gainesville, Fla.: (Through Dr. E. Lowe Pierce) 34 copepods from Florida (181772); (through Dr. Philip J. Westgate) land snail from Florida (203533).

Florida Agricultural Supply Co., Jacksonville, Fla.: (Through Herman S. Mayeux) 10 land snails from near Jacksonville, Fla. (203353).

Florida National Bank and Trust Co. (See Hall, Josephine V.)

Floyd, G. Thomas, Akron, Ohio: 12 fresh-water mussels from Lake Erie, Ottawa County, Ohio (203816).

Fluke, Dr. C. L., Madison, Wis.: 9 flies, including 1 paratype, from North America and Argentina (205895).

Ford, Clayton, Lakeport, N. H.: 1 specimen of herderite from Fletcher Mine, North Groton, N. H. (202918).

Forest Research Institute, Kepong, Malaya: 59 plants from Federation of Malaya (203158, exchange).

Fosberg, Dr. F. R., Falls Church, Va.: 61 plants from Shenandoah National Park, Va. (203774); 12 plants of United States and Canada (204452); 3 plants from Virginia (204551).

Foshag, Dr. W. F., Washington, D. C.: Andesite lava specimen of 1952, Parícutin volcano, Michoacán, México (203768).

Foster, Mrs. E. Carter, The Plains, Va.: Pair 18th-century white satin shoes; pair shoes, 2 pair hose, satin bodice, and pair white kid gloves, 19th century (202940).

Foster, John H., Warwick, R. I.: 30 plants collected in India (202852).

Fouts, Robert M., Laredo, Tex.: 4 parasitic wasps (205892).

Fowler, Verna A., Salina, Kans.: 16 land snails from Salina (199972).

Fox, John A., New York, N. Y.: 93 specimens of postal history material (205561, exchange).

Franklin, W. Neil. (See Gibbs, Mrs. B. D.)

Freed, Sam D., Union, N. J.: 111 land and fresh-water mollusks from northern New Jersey (203179).

Freeman, Oliver M., Tryon, N. C.: 23 grasses from North Carolina (203749).

Friedmann, Dr. Herbert, Washington, D. C.: 5 skins, 14 alcoholic specimens, and 5 skeletons of honey-guides from Spanish Guinea, collected by Georges Sabater (203367); 9 skeletons and 14 honey-guides (alcoholic birds) (204474).

Frimerkjasalan, Reykjavik, Iceland: 6 Aerogramme forms (204190). (See also Iceland, Government of)

Frisbey, Mrs. W. C., Port Isabel, Tex.: 2 marine mollusks from Port Isabel (205496).

Frondel, Dr. Clifford. (See Harvard University)

Fundación Miguel Lillo, Tucumán, Argentina: 170 plants of Brazil and Argentina (204372, exchange).

Furman, Deane P., Berkeley, Calif.: 2 types and 14 paratypes of mites from California (205999). (See also California, University of)

Gallitelli, Dr. Eugenia Montanaro, Modena, Italy: 1 microsample from the Triassic St. Cassian beds of Italy (204378, exchange); 3 paratypes of a foraminifer from the Cretaceous of Italy and 22 foraminiferal samples from the Mesozoic and Cenozoic of Italy (205713).

Ganier, Albert F., Nashville, Tenn.: Type of Appalachian sapsucker (204099).

Gardner, Dr. Julia, Bethesda, Md.: Approximately 150 marine mollusks from Drum Point, Md. (205286).

Gardner, Dr. T. R., Beltsville, Md.: 359 miscellaneous insects from Hawaiian Islands and Japan (205099).

Geduly, Prof. Oliver, Cincinnati, Ohio: 1 turtle from Río Magdalena near Barranquilla, Colombia (203878).

Geison, Mike, Miami, Fla.: 1 Hay's snake from Florida (205016).

General Electric Co., Richland, Wash., and Milwaukee, Wis.: (Through

C. C. Palmiter) 17 samples of diatoms (203505); (through E. W. Philleo) 1 Model "A" electrocardiograph (205221).

General Motors Corp., Detroit, Mich.: (Through C. L. McCuen) Mechanical heart exhibit (203312).

Gentry, Dr. H. S. (See Agriculture, U. S. Department of, *Horticultural Crops Research Branch*)

Geologisch-Paläontologisches Institut, Tübingen, Germany: (Through Dr. O. H. Schindewolf) 2 specimens of a rare Jurassic brachiopod from Germany (206511, exchange).

George, Robert V., Towson, Md.: 45 pictorial photographs by Mr. George for special exhibition September–October 1954 (203163, loan).

Georgia, University of, Athens, Ga.: 155 plants (204450, exchange).

Gerber, Adele (deceased): (Through Amelie M. Gerber) 1 black Canton-crepe shawl worn by Sarah Fillmore Eaton at inauguration of President Millard Fillmore in 1850, and photograph of Mrs. Eaton wearing the shawl (206500).

Gerber, Amelie M. (See Gerber, Adele)

Gerber, Carl B., Arlington, Va.: 1 rhodonite from 30 miles west, 15 miles north, of Lancaster, Calif. (203717)

Germany, Republic of, *Der Bundesminister fur das post- und Fernmeldewesen*, Bonn: 4 postage stamps, air mail and commemorative (206361); 1 20-pfennig commemorative stamp for the "Association for the Encouragement of German Science" issued June 24, 1955 (206546).

Ghika, George, Hyattsville, Md.: 5 geometrid moths from District of Columbia area (202675).

Gianotti, Agostino, Rome, Italy: 3 Foraminifera from Miocene of Italy (204733).

Gibbs, Mrs. B. D., Knoxville, Tenn.: (Through W. Neil Franklin) 1924 Presidential campaign tag for automobile (203723).

Gibbs, John, Washington, D. C.: 1 agate found in gravel bank, Washington, D. C. (202700).

Giers, Dr. Rudolf, Hamm, Westfalen, Germany: 2 invertebrate fossils and 1 microsample of Foraminifera from Upper Cretaceous of Westphalia, Germany (203196).

Gill, Dr. Edmund D., Melbourne, Australia: 168 Miocene and Pliocene mollusks from Australia (195502, exchange).

Gilmore, Clifford E., Ft. Myer, Va.: 3 Burmese 1 Pya pieces, 1952 (202718).

Gilmore, Dr. Raymond M. (See Smith, Robert O.)

Ginsburg, Isaac. (See Stick, Frank, and Erdman, Donald S.)

Glass, Jewell J. (See Interior, U. S. Department of the, *Geological Survey*)

Glass, Robert. (See Clark, Col. Eugene S., Jr.)

Goldich, Dr. S. S., Minneapolis, Minn.: Holotype of arthropod from Pennsylvanian of Brewster County, Tex. (204379).

Goncalves, Dr. C. R. (See Divisão de Defesa Sanitaria Vegetal)

Gonzáles G., Dr. Alfonso, México, D. F.: 8 moths and 7 flies from México (205539).

Gosline, Dr. William A. (See Hawaii, University of)

Gottfried, Oscar, New York, N. Y.: 2 ampins of normal saline solution manufactured by Strong Cobb Co., Inc. (203205).

Goudey, Hatfield, Gabbs, Nev.: 1 callaghanite from Gabbs (203961, exchange).

Goudey, Hatfield, Gabbs, Nev., and **Parnau, John L.**, Stockton, Calif.: 1 mineral from Churchill Buttes, Lyon County, Nev. (203957).

Gould, James, Washington, D. C.: (Through Dr. Arthur J. Boucot) Specimen of tin ore from Sungei Liat Division of Tambang Timah Banka, Indonesia (204398).

Graham, Judge Samuel Jordan (deceased): (Through Mrs. Samuel J. Graham) 20 costume accessories of late 19th and 20th centuries (204484).

Graham, Judge (deceased) and **Mrs. Samuel Jordan**, Washington, D. C.: 50

items of period art and jewelry (206462).

Grau, Gilbert, Hollywood, Calif.: 1 marine mollusk from New Zealand (202888).

Graves, Mrs. Henry, Miami, Fla.: 1 calcite from near Miami (203977).

Gray, Samuel, Woods Hole, Mass.: 3 squilla and 2 stomatopods from Yarmouth, Mass. (202614).

Great Britain, Government of: *Board of Trade, Standards Department:* Hassler balance, precision beam (201802). *British Museum (Natural History)*, London: 31 mosquitoes, including 8 paratypes, from Ethiopia and Orient (202981, exchange) 634 Foraminifera and 72 Recent foraminiferal samples from Atlantic and Pacific Oceans, and Mediterranean Sea (203062, exchange); 7 Recent foraminiferal samples collected by *Challenger* Expedition from Atlantic and Pacific (203063, exchange); 391 plants from Malaysia (203324, 203509, exchange); 313 plants from various regions and collectors (205433, 206473, exchange); (through P. F. Mattingly) 48 mosquitoes, including 5 paratypes, from old world (203556, exchange); (through Dr. Norman B. Marshall) 1 paratype parrotfish from Red Sea (203590, exchange).

Greenwood, Dr. and Mrs. Arthur M., Marlborough, Mass.: Frame house built in 1678 in Malden, Mass. (203905).

Gregg, Dr. Robert E., Boulder, Colo.: 6 paratypes of ants (205709).

Griffith, Dr. Ivor. (See Philadelphia College of Pharmacy and Science)

Griffiths, Prof. Henry J. (See Minnesota, University of)

Gross, Paul J., Okmulgee, Okla.: 2 first-day cards, Kansas Territorial and 4-cent airmail (204893).

Guam, Government of, *Office of Territories*, Agana: (Through George D. Peterson, Jr.) 2 house mice from Guam (205521).

Gudmundsson, Finnur. (See Museum of Natural History)

Guiler, Dr. Eric R., Belfast, Ireland: 5 copepods, 2 isopods, 15 amphipods, 15 porcellanids, 2 hermit crabs, 28 crabs, and 2 polychaetes (205675).

Gulf Coast Research Laboratory, Ocean Springs, Miss.: (Through Dr. J. F. Walker) 61 miscellaneous marine invertebrates (183865); (through Dr. John F. Howell) 12 crustaceans (203149).

Gutschick, Dr. R. C., Notre Dame, Ind.: 51 fossil sponge spicules and holothurian plates (201697).

Guyer, Dr. Gordon, East Lansing, Mich.: 79 aquatic midges from Michigan (205278).

H and R Worm Farm, Muskogee, Okla.: (Through Vera Rounds) 20 earthworms (201457).

Hagn, Dr. H., Munich, Germany: 5 microsamples Foraminifera from Tertiary and Cretaceous of Bavaria (198841, exchange); 8 Foraminifera from the Eocene of Germany and Italy (203718, 205558, exchange); 9 microsamples from Eocene of Bavaria and Miocene of Austria, and 105 Foraminifera from Tertiary of Italy and Cretaceous of Italy (204470, exchange).

Hall, Josephine V.: (Through the Florida National Bank and Trust Company) 2 ancient Greek "tear bottles," 4 carved shell plaques, and an antique box with ancient coins (202630, bequest).

Hallman, Roy C., Panama City, Fla.: 1 hummingbird and 1 sparrow (205413).

Halstead, Dr. Bruce W. (See School of Tropical and Preventive Medicine)

Hamelly, Henry, Grove City, Pa.: 22 first-day covers and other philatelic specimens (204384, 206548); 2 first-day covers, Canada Boswell and Canada Thompson stamps (205102); 5 United States and United Nations first-day covers (205563); 2 Canadian and 2 United Nations first-day covers (206373).

Hamilton, Dr. William J., Jr., Ithaca, N. Y.: 2 short-tailed shrews from Florida (205010). (See also Cornell University)

Handley, C. O., Charleston, W. Va.: 8 mammals from West Virginia (206449).

Hanes, Clarence R., Schoolcraft, Mich.: 3 grasses from Michigan (203621).

Haque, A. F. M. Mohsenul, Aberystwyth, Wales: 50 Paleocene Foraminifera and 8 microsamples from Paleocene of Pakistan (203072); 70 Paleocene and Lower Eocene Foraminifera from Nammal Gorge, Salt Range, Pakistan (203551, exchange); 31 Foraminifera from the Tertiary of Pakistan (203771, exchange).

Hardy, Jerry D., Jr., Elon College, N. C.: 2 bats from Cuba (204227); insects, 1 leech, and 3 mollusks (204405); collection of reptiles, amphibians, and fish, from Cuba (204500).

Harkness, Norris, New York, N. Y.: 1 United States first-day cover, 3-cent George Eastman stamp (205611).

Harlan, Mrs. John G., Jr., Bethesda, Md.: 1 scarlet tanager (204881).

Harlow, J. A., Janesville, Wis.: Sioux Indian blanket band decorated in beadwork (205357).

Harper, Dr. Francis, Mount Holly, N. J.: Jumping mouse from New Jersey (203335); 37 bird skins, 1 set of eggs, and 69 mammals from Ungava, Canada (205601).

Harrington, Dr. John P., Washington, D. C.: 1 feathered staff, Chiricahua Apache Indian (206466).

Harris, Mr. and Mrs. Clare, Rushford, N. Y.: 1 United States flag, 1877–1890 (205007).

Harry, Dr. Harold W. (See Tropical Research Medical Laboratory)

Hartman, Dr. Frank A., Columbus, Ohio: 288 bird skins from Panamá (202710).

Harvard University, Cambridge, Mass.: (Through Dr. Clifford Frondel) 5 mineral specimens (203591, exchange); (through E. O. Wilson) 32 ants, including 26 types, from North America (203728). *Gray Herbarium:* 4 plants from South America (198996). *Museum of Comparative Zoology:* (Through Dr. W. L. Brown) 47 ants from Neotropical region (201705); 44 ants from Australia, New Guinea, and North and South America (202986, 205501, 205682); 18 New Caledonian ants (205711); (through Dr. Elisabeth Deichmann) 10 gorgonians from Bermuda (202894); (through Dr. F. M. Carpenter and Dr. P. J. Darlington) 11 spongilla flies, including types, from South America and British Guiana (203529); (through Dr. William J. Clench) 1,112 mollusks, mainly land and fresh-water forms, from the Chattahoochee River, Fla. (205492); 1 marine mollusk from Senegal (204541, exchange).

Haskins, Caryl P. (See Haskins Laboratories)

Haskins Laboratories, New York, N. Y.: (Through Caryl P. Haskins) 5 fishes from Trinidad (202824).

Hattori Botanical Laboratory, Nichinan, Japan: 100 cryptogams from Japan (203900, exchange).

Hattrick, E. N., and Burkhart, J., Washington, D. C.: 43 marine mollusks from Sea Isle City, N. J. (203375).

Hawaii, University of, Honolulu: 17 plants collected in Hawaii and 20 cultivated plants (203510, 204609); (through John E. Randall,) 1,813 fishes from Gilbert Islands and other areas, mostly collected by Mr. Randall (195399); (through Dr. William A. Gosline) 26 silver hatchet fishes from collection of Mauna Loa lava flow of 1950 (204472); (through Dr. Jan Newhouse) 43 specimens of blue-green algae from Tuamotu Archipelago (205717).

Hayes, Doris. (See Agriculture, U. S. Department of)

Haynes, George R., Greensburg, Pa.: 2 glass structural tiles with photographic impressions (205899).

Haynes, J. R., Aberystwyth, Wales: 10 Foraminifera from Tertiary of England (203193, exchange).

Hazeltine Corporation, Little Neck, N. Y.: (Through L. B. Dodds) 6 early radio receivers (204116).

Health, Education, and Welfare, U. S. Department of, Washington, D. C.: *Public Health Service:* (Through Dr. H. R. Dodge) 50 North and South American sarcophagid flies, including types (206071); (through Dr. Harry D.

Pratt) 5 type biting midges from United States (202607); (through Dr. W. L. Jellison) 5 bot fly larvae taken from moose in Montana (202861); 42 insects, 3 spiders, 1 scorpion, and 1 leech from Idaho, Assam, Burma, and China (202899); 2 land snails from Hamilton, Mont. (203180, 203352); 1 bat from Montana (203499). *Arctic Health Research Center*, Anchorage, Alaska: (Through Dr. Robert Rausch) 25 fox skulls from St. Lawrence Island, Bering Sea (202830); 4 crabs and 2 shrimps from Alaska (203625); 1 horse crab from St. Lawrence Island, Alaska (204165); (through Dr. Laurence Irving) 14 bird skins from Northern Alaska (203048). *National Institutes of Health:* (Through Dr. W. H. Wright) 9,003 flies, including paratypes, from Guatemala (203598). (See also Crecelius, Dr. H. Gilbert)

Hebrew University, Jerusalem, Israel: 100 plants (204389, exchange).

Heinemann, C. B., Washington, D. C.: Record-o-phone dictation machine (205531).

Heinmuller, John P. V., New York, N. Y.: 5,856 United States and Philippine Islands stamps in a National album (204477).

Heinrich, Clara, Washington, D. C.: Brain of Carl Heinrich, entomologist (206521).

Heintzelman, Arthur W. (See Boston Public Library)

Helgerson, Henry, Missoula, Mont.: One black bear from Butlers Creek, Missoula County, Mont. (205520).

Hendey Machine Company, Inc., Torrington, Conn.: (Through A. D. Patterson) Steam engine, rotary, constructed by Henry J. Hendey about 1870 to power tools in his shop (203480).

Hendricks, Genevieve, Washington, D. C.: 1 pair walrus tusks (203132).

Henny, Keith, New York, N. Y.: 2 electronic devices (204100).

Henry, Dr. Dora P., Seattle, Wash.: 1 crab from Lower California, E. F. Ricketts collection, and 7 mollusks (204372).

Hepner, A., Washington, D. C.: 1 paper 25-cent fractional currency, 1st issue, dated 1863 (206367).

Herbario "Barbosa Rodrigues," Itajai, Santa Catarina, Brazil: 588 plants from Santa Catarina (203017); 23 plants collected by Raulino Reitz (203056).

Hermann, Dr. Frederick J., Beltsville, Md.: 225 plants from Michigan and Indiana (205428).

Herrmann, Mary Ann, Washington, D. C.: 25 woodcuts by Paul Heinrich Ebell for exhibition October 1954 (203523, loan).

Hewatt, Dr. Willis G. (See Texas Christian University, and Magnolia Field Research Laboratory)

Heyl, Allen V., Takoma Park, Md.: 1 calcite from Calumet and Hecla mine, Lafayette County, Wis. (204729).

Hild, Mrs. G. S., Washington, D. C.: 4 mounted heads and 7 frontlets of Philippine mammals collected by David W. Fry (203532).

Hildebrand, Henry, Port Aransas, Tex.: 74 marine invertebrates and 5 mollusks from México and Texas (201783).

Hill, Bernard L., New Orleans, La.: 10 type ostracodes from Tertiary of Mississippi and Cretaceous of Texas (204738).

Hill, Dr. Howard R., Los Angeles, Calif.: 98 land snails from western United States (203336).

Hill, Lt. Col. Samuel O. (See Defense, U. S. Department of, *Department of the Army*)

Hiltermann, Dr. H., Hannover, Germany: 12 Foraminifera from the Tertiary of Northern Germany (203129); 15 Foraminifera from the Tertiary of Germany (203197, exchange).

Hinton, Dr. J. William, New York, N. Y.: 28 colored scenes of Civil War battles (204114).

Historical Society of Pennsylvania, Philadelphia: 18th-century balance made by Pat Lyon (204610, loan).

Hobbs, Dr. Horton H., Jr., Charlottesville, Va.: 3 types of crayfish (203579).

Hodziewicz, Stanley, Hyattsville, Md.: 6 philatelic specimens (204478).

Hoehne, Dr. F. C., São Paulo, Brazil: 8 specimens of plants (205604).

Hoes, Laurence Gouverneur, Fredericksburg, Va.: 2 plates of the Monroe administration china used in the White House (206491, loan).

Hoffman, Dr. Glenn L., Grand Forks, N. Dak.: 16 fresh-water clams from North Dakota (204406).

Hoffman, Richard L., Blacksburg, Va.: 119 reptiles and amphibians from Virginia, North Carolina, West Virginia, and Kentucky, including types of new subspecies of racerunner lizard from Virginia (202724); 375 specimens of fresh-water mollusks, also fresh-water amphipods, all from Virginia (202910); 6 scorpion flies and 2 brown lace-wings from Virginia (206060).

Hofker, Dr. J., The Hague, Netherlands: 3 Recent Foraminifera from the Bay of Naples, Italy (203550); 9 Foraminifera from Lower Cretaceous of Holland (204471, exchange).

Hogan, Mrs. George W., Jr., McLeansboro, Ill.: 1 ladies' handkerchief printed with stamp motifs (204167).

Höglund, Dr. Hans, Lysekil, Sweden: 4 paratype Foraminifera from the Recent of Sweden (203555).

Holderer, George B., Washington, D. C.: 3 specimens of manganese ore from Brazil (205282).

Holling, Henry, Slick Rock, Colo.: (Through Omer Raup) 20 specimens uranium ore from Cougar mine, Slick Rock Canyon, San Miguel County, Colo. (204186).

Hollman, Karl H., New York, N. Y.: 1 Netherlands first-day cover (204898).

Holthuis, Dr. L. B. (See Rijksmuseum van Natuurlijke Historie)

Homan, B. H., Jr., New York, N. Y.: 2 albums containing 1110 postal issues of the Transvaal, 1869–1883 (204386).

Honess, Dr. Ralph F. (See Wyoming, University of)

Hong Kong, University of, China: (Through Dr. David Barker) 2 mammals, 8 reptiles and amphibians, 2 mollusks, and 8 invertebrates from Hong Kong (196144, exchange).

Hood, James R., Chattanooga, Tenn.: 65 fresh-water mollusks from Elk River, Tenn. (203796, exchange); 205 marine mollusks from the South Pacific and from Trinidad, B. W. I. (204974, exchange).

Hoogstraal, Dr. Harry, Cairo, Egypt: 1 type specimen of tick (205408).

Hoopes, Mrs. W. H., Washington, D. C.: 19 specimens of furniture, china, stockings and other costume accessories of 19th century (203959).

Hoover, Mrs. Herbert, Jr., Washington, D. C.: 1 blue and white Chinese porcelain vase (206499, loan); 2 fans that belonged to Mrs. Herbert Hoover, First Lady of the White House, 1929–1933 (206543).

Hopkins Marine Station, Pacific Grove, Calif.: (Through Julius B. Phillips) 1 fish from off Pigeon Point, Calif. (202993, exchange); (through Dr. Donald P. Abbott) 148 marine invertebrates from the collection of Dr. W. K. Fisher (203496).

Hottes, Dr. F. C., Grand Junction, Colo.: 10 slides of thrips, including 3 holotypes (203231).

Howard, Col. John K., South Hamilton, Mass.: 3 fishes taken from a marlin east of Durban Harbor, Natal, South Africa (205273); (through Gilbert L. Voss) 150 marine invertebrates, 66 echinoderms, mollusks, and 6 fishes, collected on expedition to Great Barrier Reef, Australia, in 1953 (203245).

Howden, Dr. Henry F., Knoxville, Tenn.: 8 beetles from United States (202863).

Howell, Dr. John F. (See Gulf Coast Research Laboratory)

Hubbard, Dr. C. Andresen, Tigard, Oreg.: 57 fleas from Oregon (205599).

Hubbell, Edith S., Warrenton, Va.: Notebook of drawings by a Southern Plains Indian collected by donor's father, the late Gen. Henry W. Hubbell, between 1869–1876 (203386).

Hubbs, Dr. Clark. (See Texas, University of)

Hubert, Lt. Alexander A., APO, San Francisco, Calif.: 142 flies, 10 butterflies, 1 mayfly, and 8 stoneflies from Korea (204885).

Hudson, Dr. George E. (See Washington, State College of)

Hummelinck, Dr. P. Wagenaar, Utrecht, Netherlands: 5 beetles from Caribbean Islands (193780).

Hummer, Mrs. Nellie Blake Henry, Macedon, N. Y.: Original cloth coffee bag and coffee, and original leather sugar bag and sugar issued during the Civil War to Byron Simeon Blake (206541).

Humphrey, Dr. Fred L., Stanford, Calif.: (Through Dr. Walter L. Youngquist and Dr. Siemon W. Muller) 6 type Mississippian *Goniatites* from Nevada (203300).

Humphrey, Dr. William, México, D. F.: 2 microsamples Foraminifera from Lower Cretaceous of México (204374).

Hungary, Government of: (Through Hungarian Embassy) 52 assorted, used, Hungarian stamps (206365).

Hurd, Dr. Paul D., Jr. (See California, University of)

Husak, Jerome, Milwaukee, Wis.: 1 cacheted envelope (204481).

Hussey, Dr. Keith M., Ames, Iowa: 5 foraminifers from Eocene of Louisiana (206356).

Iceland, Government of, Reykjavik: (Through Frimerkjasalan) 4 philatelic specimens of Iceland (204618).

Illg, Dr. Paul L., Seattle, Wash.: 4 specimens of octocoral (205112).

Illinois, University of, Urbana, Ill., *Museum of Natural History:* (Through Dr. Hobart M. Smith) 1 paratype of a lizard from La Gloria, Oaxaca, México (203004).

Illinois Natural History Survey Division, Urbana, Ill.: (Through Dr. Lewis J. Stannard) 4 thrips, including 2 paratypes, from Illinois (202608, exchange).

India, Geological Survey of, Calcutta: (Through Dr. M. S. Krishman) 12 Foraminifera from Eocene of India (199816, exchange).

Ingeloff, Thorsten, Karlstad, Sweden: 41 envelopes bearing commemorative Swedish postal markings (204264); 3 Swedish covers (205607); 13 envelopes with special Swedish cancel (206360, 206536).

Ingram, W. F., Griffin, Ga.: 33 cut tourmalines from Brazil (205934).

Iñigo, Félix. (See Puerto Rico, Commonwealth of)

Institute for Plant Diseases, Bogor, Indonesia: 3 bugs (205001).

Institute of Jamaica, Kingston, Jamaica: *Science Museum:* 149 plants collected in Jamaica by G. R. Proctor (203114, gift-exchange); 18 plants collected in West Indies by George R. Proctor (204666); 107 plants from Jamaica (205608, exchange).

Instituto Agronómico do Norte, Belém, Pará, Brazil: 9 plants collected in Brazil (202698).

Instituto Agronómico do Sul, Pelotas, Rio Grande do Sul, Brazil: 62 grasses from Brazil (202762, 203967, 206468); 28 plants from Brazil (204163).

Instituto Botánico, Caracas, Venezuela: 6 Venezuelan ferns (200491).

Instituto Butantan, São Paulo, Brazil: (Through Dr. Aristoteris T. Leão) 2 toads from Goiás and Mato Grosso, Brazil (204233).

Instituto de Biologia, México, D. F.: 1 grass from México (204723).

Instituto de Botánica, São Paulo, Brazil: 7 plants from Brazil (203288, 204553).

Instituto de Ciencias Naturales, Bogotá, Colombia: 26 plants and 1 grass from Colombia (203055, 203543, 204888, 206478, 206479); 125 plants collected in Colombia by Dr. Hernando García-Barriga (203724); 246 plants collected in Colombia (204458, exchange); 28 plants of Colombia (204605, gift-exchange).

Instituto de Ciencias Naturales, *Universidad Central,* Quito, Ecuador: (Through Gustavo Orcés V.) 477 freshwater fishes from Ecuador (199334, exchange).

Instituto Geobiologico "La Salle" de Canôas, Pôrto Alegra, Rio Grande do Sul, Brazil: 54 plants from Brazil (204112, 205905, exchange).

Instituto Mexicano de Recursos Naturales Renovables, México, D. F.: (Through Dr. Jorge Carranza) 3 catfishes from well in the State of Coahuila, México (205516, exchange).

Interior, U. S. Department of the, Washington, D. C.: *Fish and Wildlife Service:* 8 plants from Texas and New Mexico (203765); 21 sheets of migratory bird hunting stamps, 1934–1954 (205721); 156 mammals (206446); (through Gustaf T. Sundstrom) 844 fishes collected in Gulf of Mexico during August and September 1954 by Mr. Sundstrom on the M/V *Oregon* (202653); (through Stewart Springer) 1,019 miscellaneous marine invertebrates, 9 echinoderms, 18 mollusks, 2 corals, and 18 microsample foraminifers collected by the M/V *Oregon* in the Gulf of Mexico (202732); 12 microsamples for Foraminifera from Recent of Gulf of Mexico (204547); (through Oscar E. Sette) 4 surgeonfishes from Pacific Ocean (202833); (through Dr. A. L. Nelson) 4 holotypes of flies (202859); (through George C. Miller) 983 fishes, also crustaceans, 1 starfish, and 700 mollusks, collected by Mr. Miller in Liberia, 1952–1954 (202912); (through John W. Aldrich) 2 nematodes (202938); (through Roland L. Wigley) 4 amphipods from Woods Hole harbor (203872); (through Stewart Springer and Harvey Bullis, Jr.) 982 fishes from Gulf of Mexico (204890); (through California Academy of Sciences) 367 mollusks from the northern and eastern Pacific Ocean, collected by the U. S. S. *Albatross* (205222); (through Clark P. Salyer) 4 bisons from National Bison Range, Mont. (205701); (through Oscar E. Sette and Joseph E. King) 8 fishes collected by the Pacific Oceanic Fishery Investigations in the central Pacific (206054). *Geological Survey:* 10 minerals: montrosite and hummerite from Colorado, navajoite from Arizona, and sahamalite from California (202538); soil samples from caves at Trail Creek, Seward Peninsula, Alaska, collected by David M. Hopkins and Dr. Helge Larsen in 1948 (202550); 395 rocks and ores from James River-Roanoke River manganese district, Virginia, and Southeastern States (202746); 3 specimens of analyzed lavas from Mauna Loa and Kilauea Volcanos (203023); 279 slides of Cretaceous, Triassic, and Jurassic Foraminifera from South Dakota, Wyoming, Montana, and northern Alaska (203126, 203293, 203372); 26 Pleistocene Foraminifera from Long Island, N. Y. (203127); 7 brachiopods from well core AC–51–2, Williams County, N. Dak. (203238); 130 rock and mineral specimens described by P. B. King (203239); 13,150 well samples and 951 surface samples of rock from Montana (203296); 1,360 plants from Alaska (203354); 1 uraninite from Monument No. 2 Mine, Apache County, Ariz. (203429); 3 specimens and 2 casts of fossil invertebrates from Yorktown formation of Virginia (203547); 2 specimens of ferruginous conglomerate from Texas (203548); 6 plants collected in Utah and Nevada by Robert R. Coats (203620); 143 slides of Foraminifera types from Recent of Florida (203725); 5 specimens zinc-lead ore regional collection of Manning Area, Orleans County, N. Y. (203980); 1,105 plants collected in Micronesia by F. R. Fosberg (204460); 100 fresh-water mollusks from California, and 7 Carboniferous gastropods (204854); 5 land snails from Alaska and 35 fresh-water mollusks from Montana (205517, 205518); (through Jewell J. Glass) 5 specimens of Irish Creek tin deposits, and 1 fluorescent sodalite and hackmanite from Magnet Cove, Ark. (203026); (through J. H. Feth) 35 land and fresh-water mollusks from Utah (203252); (through Dr. Preston E. Cloud, Jr.) lower jaw, associated bones, and scales of fossil teleost fish, collected by Messrs. Van Horn, Scott, and Cobban in Upper Cretaceous Pierre shale formation, Jefferson County, Colo. (203343); 19 fresh-water mollusks from Alaska (203418); palate of fossil porpoise from Lower Pliocene Bone Valley formation at Noralyn Mine, near Bar-

tow, Polk County, Fla. (203520); 28 slides containing type and figured specimens of 36 Radiolaria; 14 holotypes and 3 plesiotypes of discoasters and related organisms (203553); (through Dr. Gilbert Corwin) 588 land and marine mollusks, and insects from Pagan Island, Marianas Islands (204373). *National Park Service:* (Through Floyd L. Keller) 48 ant lions and lace-wing flies from California (198343); (through Victor H. Cahalane) 2 fresh-water mollusks from Alaska (204549). (See also Robin, Art)

International Ryukyu Stamp and Coin Society, Los Angeles, Calif.: (Through J. N. Wong) 35 Ryukyu Islands postage and airmail stamps (202856).

Iowa State College, Ames, Iowa: (Through Dr. W. J. Zimmermann) 2 species of nematodes (204226).

Iraq Ministry of Agriculture, Baghdad: 2,361 plants of Iraq collected by Dr. Ali Al-Rawi and associates (205542, exchange).

Irving, Dr. Laurence. (See Health, Education, and Welfare, U. S. Department of, *Arctic Health Research Center*)

Irving, Robert B., Gooding, Idaho: Approximately 153 marine invertebrates, also mollusks from Henry's Lake, Idaho (196032).

Irwin, H. S., Subryanville, British Guiana: 297 plants from British Guiana (202668, 204136, 205549, 205993).

Israel, Government of, *Geological Institute,* Jerusalem: (Through Dr. Z. Reiss) 161 Foraminifera from Cretaceous and Tertiary of Israel (203162, exchange).

Jackson, Ralph W., Cambridge, Md.: 62 National Teat Fire cartridges, .32 caliber (202858).

Jacobson, Morris K., Rockaway Beach, N. Y.: 22 mollusks from New York and Cuba (206556).

Jagellonian University, *Herbarium of the Botanical Garden,* Cracow, Poland: 50 specimens of bryophytes (206477, exchange).

Jago, John B., San Francisco, Calif.: 3 minerals from San Benito County, Calif., Madagascar, and Uganda (203982, exchange); 1 mineral, betafite, from Madagascar (205557).

James, Incorporated, Louisville, Ky.: (Through D. W. and L. R. Karp) General Robert E. Lee nickel-silver medal dated 1807–1870 (203801).

James, Dr. Maurice T. (See Washington, State College of)

Jameson, Prof. E. W., Jr.: 3 fleas and 2 chiggers from California (206572).

Jamnback, Dr. Hugo. (See New York State Museum)

Japan, *Laboratory of the Imperial Household,* Tokyo: 12 samples of Octocorallia from the Imperial collection of the Emperor of Japan (201561).

Japan Society, Inc., New York, N. Y.: 60 block prints by Yoshida family lent for exhibition November 1954 (203895, loan).

Jardin Botanique de l'État, Brussels, Belgium: 39 phanerogams and 41 grasses from the Belgian Congo (206350, exchange).

Jellison, Dr. William L. (See Health, Education, and Welfare, Department of, *Public Health Service*)

Jennings, Dr. Jesse D., Salt Lake City, Utah: (Through Dr. F. H. H. Roberts, Jr.) Willow splint figurine of quadruped (204370).

Jiménez, Dr. José de Js., Santiago de Los Caballeros, Dominican Republic: 182 plants from Dominican Republic (203051, 204393).

Jodidi, Mrs. Elizabeth R. (deceased): (Through Melville W. Stuart) 1 necklace of gold beads with topaz pendant; 2 lidded porcelain Meissen vases; 1 silver crutch-handled ebony cane (205868, bequest).

Johns Hopkins University, *School of Hygiene and Public Health,* Baltimore, Md.: (Through Dr. John J. Christian) 5 deer from James Island, Md. (206559).

Johns-Manville Corp., Washington, D. C.: 5 pieces of asbestos materials (203978).

Johnson, Dr. Donald R., Washington, D. C.: 215 miscellaneous insects from Indonesia (206057).

Johnson, Joe C., Bryan, Tex.: 6 plants from Texas (204555).

Johnson, Phyllis T. (See Defense, Department of, Department of the Army, *Army Medical Service Graduate School,* Washington, D. C.)

Johnson, Mrs. Robert C., Jr. (See Perkins, Sibyl Avery)

Johnson and Johnson, New Brunswick, N. J.: 1 exhibit entitled "Binding Up a Wound" showing surgical dressings from prehistoric times to the bandage of today, and featuring a bandaged 1500-year-old Peruvian skull (206453).

Johnston, Dr. Franklin D. (See Michigan, University of)

Johnstone, Mr. and Mrs. Harry Inge, Mobile, Ala.: 29 marine mollusks from off the coast of Mississippi and Florida (202991).

Johnstone, Mrs. Harry Inge, Mobile, Ala.: 100 marine mollusks from Gulf coast of Alabama (205015).

Jokelson, Paul, New York, N. Y.: 6 sulphide paper weights containing portraits of George Washington, Thomas Jefferson, Abraham Lincoln, and Robert E. Lee, made by Baccarat, 1954 (202922, 203986, 206482).

Jones, Dr. J. J., La Plata, Md.: Hognose snake from Charlotte Hall, Md., collected by donor (201599).

Jones, Lt. J. Knox, Jr. (See Defense, Department of, *Department of the Army*)

Jones, Mrs. Joyce H. (See Michigan, University of)

Jones, Robert H., Madison, Wis.: 129 biting midges and 116 mosquitoes from Wisconsin (205277, 206069).

Jones, Warren R., Erongaricuaro, México: 5 minerals from México, and sublimates from Parícutin volcano (200383).

Julius Roehrs Company, Rutherford, N. J.: 1 cultivated fern (204059).

Juilliard School of Music, New York, N. Y.: (Through Charles Bestor) 1 piano made by A. Babcock, Boston, between 1822 and 1829 (205595, loan).

Junge, Dr. Carlos, Concepción, Chile: 2 land mollusks from Ciudad Trujillo, Dominican Republic (204386).

Kagoshima University, Kyusyu, Japan: 450 plants of Japan and Ryukyu Islands (204307, exchange).

Kainen, Jacob, Washington, D. C.: 1 three-color letterpress halftone "Yosemite," from a photograph, published in 1899 by the Detroit Photographic Company (205416); 1 color woodcut, "Tiger," by Jacob Pins (205982).

Kannowski, Paul B., Ann Arbor, Mich.: 84 ants from Michigan (205997).

Kansas, University of, Lawrence, Kans.: 50 plants from México (202903); 3 plants (205908).

Karp, D. W. and L. R. (See James, Incorporated)

Kaufman, Dean K. L. (See Butler University)

Kausel, Dr. Eberhard, Santiago, Chile: 16 plants collected in Chile (202697, exchange).

Keen, Dr. A. Myra, Stanford, Calif.: 7 paratypes of Cretaceous and Cenozoic cardiid pelecypods from Washington, New Caledonia, and Japan (204774).

Keenan, Charles M. (See Defense, Department of, *Department of the Army.*)

Keller, L. Floyd. (See Interior, U. S. Department of the, *National Park Service*)

Keller, Dr. Mark, New Haven, Conn.: 2 nematomorphs (202743).

Kellogg, Dr. Remington, Washington, D. C.: Section of Japanese whaling harpoon forerunner, acquired by donor in Japan (202870); 1 meter marking of Canada including frank of G. R. Clark, Deputy Minister of Fisheries (206502).

Kelton, L. A., Ottawa, Canada: 130 plant bugs from Canada and the United States (205894).

Kernodle, George, Washington, D. C.: Shell necklace on cotton string base from Perú (202975).

Kettle, Dr. D. S., Edinburgh, Scotland: 9 paratype mosquitoes from Scotland (201472).

Kezer, Dr. James, Colombia, Mo.: 58 western newts of 2 different subspecies from Crater Lake National Park, Oreg. (202966).

Khan, Dr. M. H., Quetta, Pakistan: 46 Permian brachiopods from Salt Range of India (203519, exchange).

Killip, E. P., Washington, D. C.: 1 marine mollusk from Florida, 6 marine invertebrates (204717).

Kimball, Charles P., Sarasota, Fla.: 7 moths from Florida and New England (205280).

King, Clyde B., Chillicothe, Ohio: 26 fresh-water mollusks from Michigan and Ohio (203852).

King, Joseph E. (See Interior, Department of the, *Fish and Wildlife Service*)

King, Dr. Willard V., Fort Lauderdale, Fla.: 6,247 mosquitoes from Philippine Islands (202702).

King Ranch, Kingsville, Tex.: 2 grasses from Texas (203325).

Kingdom, George D., Conneaut, Ohio: 1 postcard bearing a 4-cent airmail stamp cancelled Sept. 3, 1954 (205573); 1 oversized postcard first day 4-cent U. S. airmail stamp (205615).

Kinghorne, Mrs. Edna Mae Sibley, Washington, D. C.: Silk dress, ca. 1853; 2 pair undersleeves; gold brooch, owned by Angeline Sibley, and print of photograph showing her wearing the dress and brooch (202855); 2 pieces late 19th-century needlework, and 1 fillet crochet centerpiece (203513).

Kingsley, Prof. Louise, Wellesley, Mass.: (Through Dr. Arthur Boucot) 1 Paleozoic coral from metamorphic rocks of Skitchewaug Mountain, Claremont Quadrangle, Vt. (203729).

Kirk, Dr. Edwin, Washington, D. C.: 8 archeological specimens from Neolithic of Switzerland and Denmark (204602).

Klages, Edward A., Crafton, Pa.: 6 bird skins (203385).

Klett, George, and **Conklin, James E.,** Beeville, Tex.: Skull of fossil saber-tooth tiger, and tooth of horse, collected by Mr. Klett in 1949 from Pleistocene Juana Maria Planes Survey on banks of Medio Creek, near Beeville, Tex. (204113).

Knepton, James C., Jr., Macon, Ga.: One chipmunk from Georgia (205487).

Knight, Joseph LeRoy, Wilmington, Del.: 1 model bomb ketch, European, 18th century (206539).

Knipscheer, Dr. H. C. G., München, Germany: 1 microsample of the Cenomanian of Bavaria (203128).

Knull, J. N., Columbus, Ohio: 27 beetles from Ohio (206030).

Koch, Dr. Leo F., New Orleans, La.: 22 mosses from California and Oregon (204668, exchange).

Kormilev, Dr. Nicholas A., Buenos Aires, Argentina: 29 bugs from Argentina, Brazil, and Chile (203373, exchange).

Kozloff, Eugene, N., Chapel Hill, N. C.: 94 land and marine mollusks from Florida (200995).

Kraft, Mrs. Lucy, Washington, D. C.: Sampler dated 1834 (203514).

Krauss, Dr. N. L. H., Veracruz, México: 1 plant from México (206560).

Krauss, Noel, Honolulu, T. H.: 99 miscellaneous insects from México and Arizona (204349).

Kremers Urban Co., Milwaukee, Wis.: (Through Jack T. Clancy) 25-gallon copper percolator equipped with cover and inside disc (203202).

Krishman, Dr. M. S. (See India, Geological Survey of)

Krombein, Karl V., Arlington, Va.: 195 miscellaneous insects from Kill Devil Hills, N. C. (202865); 6 wasps, including 4 paratypes, from North America (203527); 364 wasps with associated prey and parasites from North Carolina (203528).

Krombein, Dr. Louis H., Derby, N. Y.: 328 miscellaneous insects from Florida (203232).

Kugler, H. G., Trinidad, B. W. I.: 7 fossil "bilobites" from Point-a-Pierre, Trinidad, B. W. I. (205941).

Kunkle, Donald E., Bloomfield, N. J.: 11 marine mollusks from Marco Beach, Fla. (203210).

Kuntz, Lt. Comdr. Robert E. (See Defense, U. S. Department of, *Department of the Navy*)

Kutter, Dr. H., Flawil, St. Gallen, Switzerland: 120 ants, including 8 cotypes, from Europe (202985, exchange).

Laboratorias Cosmos S. A., Caracas, Venezuela: (Through Dr. Victor M. Márquez) 4 marine mollusks from Venezuela (204961).

LaGanke, Nelson P., Cleveland, Ohio: 1 National Cash Register meter marking and 2 Pitney-Bowes meter markings (205620); 1 envelope face bearing meter markings, Columbus, Ohio (206494).

Lambie, Margaret, Washington, D. C.: 16 prints by Napoleon Sarony, C. M. Bell, Abraham Bogardus, Matthew B. Brady, Richardson, and George Rockwood (205891). (See also Stuart, Mr. and Mrs. A. Donaldson)

Lamm, Donald W., Accra, Gold Coast, West Africa: 66 bird skins from Mozambique (204194).

Landis, Martin A., Greencastle, Pa.: (Through National Zoological Park) 1 fish, lamprey, from Potomac River (206346).

Lane, Dr. John, São Paulo, Brazil: 8 fungus gnats from Brazil (205538).

Lang, Dr. Karl, Stockholm, Sweden: 47 copepods (184730, exchange).

Latham, Meneva S., Palm City, Calif.: Linen curtain crocheted in 1900 by mother of donor (204428).

Latham, Roy, Orient, N. Y.: 33 grasses from New York (202625, 204594); 4 slugs and 6 land mollusks from Long Island, N. Y. (203244, 204344).

Laurent, John, Ogunquit, Maine: 22 prints in various media by John Laurent for special exhibition March 28–May 29, 1955 (205523, loan).

Lawalrée, André, Auderghem, Belgium: 45 ferns (204373, exchange).

Lawson, Ethel M., Washington, D. C.: 5 necklaces and other items of beadwork from the Puyallup Indians; 1 beaded evening bag; 2 ruffled and lace-trimmed nightgowns; and 1 chenille cotton table cover (203573).

Lawson, Walter J., Pietermaritzburg, Natal, South Africa: 2 nestling birds in alcohol and 2 sets of eggs, from Natal (202709).

Lawton, Dr. Elva, New York, N. Y.: 70 bryophytes (205718).

Leão, Dr. Aristoteris T. (See Instituto Butantan)

Learnard, R. A., Washington, D. C.: 2 Mearns and 1 Asiastic quail, 1 barethroated francolin (203971, 205415).

Leathem D. Smith Shipbuilding Co., Sturgeon Bay, Wis.: Ship model of Great Lakes self-unloading bulk-cargo vessel (201628).

Lee, Wellington, New York, N. Y.: 40 pictorial prints for exhibition January–February 1955 (204489, loan).

Leech, Gordon, Washington, D. C.: 1 mouflon (203600).

Leech, Dr. Hugh B. (See California Academy of Sciences)

Leggett, Frank L., Meredith, N. H.: 10 phosphate minerals from Palermo Mine, North Groton, N. H. (204833, exchange).

Leigh, Lewis, Chantilly, Va.: 1 envelope bearing special markings (205566).

Leigh, Dr. W. Henry, Coral Gables, Fla.: 4 slides containing cotypes of a new species of helminth (205457).

Leith, Dr. Edward, Winnipeg, Canada: 1 type slide of Octocorallia (205949).

Leonard, E. C., Washington, D. C.: 9,300 plants, mostly collected in the United States (203116).

Leve, J. Arthur, New York, N. Y.: 5,930 South American stamps (206055).

Liberia, Republic of: 4 Liberian stamps (204265); (through Liberian Philatelic Agency) 6 Liberian "Presidential Visit" stamps (204900); (through Dr. Frederick A. Price) 6 Liberia "Sports" stamps (205567).

Liberian Philatelic Agency. (See Liberia, Government of)

Library of Congress, Washington, D. C.: Medal struck at Mint in Brussels, Belgium, in 1954 to commemorate Institut Royal Belge (203783); medallion

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in porcelain of George Washington (205980); (through Library of Congress Stamp Club) 1,226 philatelic specimens from Belgium, Bohemia, Moravia, Croatia, Serbia, and Slovakia (204620). (See also Anonymous)

Library of Congress Stamp Club. (See Library of Congress)

Ligon, J. Stokley, Carlsbad, N. Mex.: Skeleton of Seesee partridge (203507).

Limestone College, Gaffney, S. C.: 3 plants (203607).

Lin, Dr. Shu-ye, Tegucigalpa, Honduras: 85 fishes from Honduras and 2 crustaceans (202935).

Lindroth, Dr. Carl H., Lund, Sweden: 43 ladybugs from Newfoundland and Nova Scotia (205536).

Link, Marilyn, Binghamton, N. Y.: 1 U. S. first-flight cover (205609).

Lipinsky, Mrs. Elinita K. Burgess, Rome, Italy: 8 etchings illustrating Homer's Odyssey by Sigmund Lipinsky, 1873–1940 (206437).

Lipinsky, Lino S., New York, N. Y.: 29 etchings and drawings by Mr. Lipinsky for exhibition June–July 1955 (206438, loan).

Livingston, Col. John L., Jr., Yuba City, Calif.: 28 tungsten and other ores from Korea (206505).

Loeblich, Dr. Helen T., and **Dr. Alfred R., Jr.,** Washington, D. C.: 1,000 foraminiferal samples from Paleozoic to Recent, world wide, and 3,500,000 specimens of Foraminifera from Texas and Oklahoma (206510).

Lorenz, Charles. (See National Tuberculosis Association)

Louisville, University of, Louisville, Ky.: (Through Dr. William M. Clay) 270 fresh-water fishes from Kentucky (204889, exchange).

Lowe, Ed H., Marathon, Fla.: (Through Joseph Curtis Moore) 2 tympanic bones of a piked whale from Bahia Honda Key, Fla. (205977).

Lowe, Edith Blinston, Washington, D. C.: 23 shawls, laces, and pieces of jewelry (206461).

Lowenstein, Ernst, New York, N. Y.: 2,238 philatelic specimens; 4-volume collection of Honduras airmail stamps and covers, and 3-volume collection of Paraguay airmails (204376).

Lowerre, F. G., St. Petersburg, Fla.: 1 deep-water marine mollusk from South Africa (203909).

Lunz, Dr. G. Robert. (See Bears Bluff Laboratories)

Lura, Soren, Forest Heights, Md.: 2 Danish philatelic wrappers (204383); 2 souvenir label sheets issued for Lions International "E x t a m p" exhibition (205569).

Lutz, John C., Philadelphia, Pa.: 8 bugs from South America (203770, exchange).

Lynn, Dr. W. Gardner, Washington, D. C.: 19 frogs, a type and 18 paratypes, from Portland Ridge, Clarendon, Jamaica (206342).

Lyon, William J., Makati, Rizal, P. I.: 41 miscellaneous Philippine philatelic specimens (203731); 39 Philippine Islands first-day covers (204010).

Lys, M., Rueil-Malmaison, France: 50 Foraminifera from Tertiary of France (203195, exchange).

MacManus, Ruth B., Washington, D. C.: Balinese theatrical face mask of carved and painted wood (203044).

Magnolia Field Research Laboratory, Dallas, Tex.: (Through Dr. Willis G. Hewatt) 90 miscellaneous marine invertebrates from Heald Bank area of Texas gulf coast (202026).

Main, Robert J., Washington, D. C.: 16 marine mollusks from Maryland (205241).

Malkin, Dr. Borys, Seattle, Wash.: 100 marine invertebrates, and 1 insect, collected near San Blas, Nayarit, México (201009).

Manahan, Addie Baile, Westminster, Md.: 1 album quilt made in 1850–51 by Eliza Jane Baile (202673); white muslin wrapper, chemise and drawers hand made by Fannie Jane Manahan between 1873 and 1874 (203078).

Mangin, M. Jean Philippe, Dijon, France: 1 sample containing topotype foraminifers from Cretaceous of Spain (204734, exchange).

Manitoba, University of, Winnipeg, Manitoba: 156 plants from Manitoba (202670, exchange).

Mann, Dr. William M., Washington, D. C.: 136,288 insects, including 116,247 ants; 150 mollusks (205236). (See also National Zoological Park)

Manning, J. H., Solomons, Md.: 45 marine mollusks from Patuxent River, Md. (204959).

Marble, Dr. John P., Washington, D. C.: 15 specimens of lava and volcanic products from Italy (204462). (See also Marble, Mrs. John P.)

Marble, Mrs. John P., Washington, D. C.: (Through Dr. John P. Marble) Beaded silver chain bracelet bought in Italy about 1900 (205706).

Marie, M. Pierre, Paris, France: 35 topotype Foraminifera from Oligocene of Alsace, France (203073, exchange).

Mariners Museum, Newport News, Va. (Through Harold S. Sniffen) 46 pictorial prints from 8th Annual Exhibition of Marine Photography for exhibit, May 1955 (205983, loan).

Marks, A., and Marks, Edward S., Washington, D. C.: United States flag presented to Washington Light Guard, commanded by Capt. S. A. H. Marks, Jr., by citizens of southeast Washington in 1861, and 2 small banners (202857).

Marks, Edward S. (See Marks, A.)

Markuze, Abraham L., Arlington, Va.: 21 pages of foreign prescriptions (206452, loan).

Markwith, F. R., Cheverly, Md.: Oliver, No. 9 typewriter (205423).

Márquez, Dr. Victor M. (See Laboratorias Cosmos S. A.)

Marriage, Dr. Lowell D. (See Oregon, Fish Commission of)

Marshall, Ernest B., Laurel, Md.: 21 mammals from vicinity of Laurel (206523).

Marshall, Dr. Norman B. (See Great Britain, Government of, *British Museum (Natural History)*)

Martin, Dr. Arthur W. (See Washington, University of)

Martin, J. Lynton, Sault Saint Marie, Ontario: 4 moths from Canada (203638).

Martin, Lloyd M., Los Angeles, Calif.: 10 moths from Arizona and California (205535).

Massengill Co., S. E., Bristol, Tenn.: (Through Frank W. DeFriece, Jr.) 15-gallon copper kettle complete with stand, and Colton pillmaking apparatus (203204).

Mathers, Carol K., Marshalltown, Iowa: 4 leeches from Silver Lake Fen, Lake Park, Iowa (205144).

Matthews, Donald C., Honolulu, T. H.: 8 hermit crabs and 12 hippas from Hawaii (202891).

Matthews, Oliver V., Salem, Oreg.: 2 plants collected in Oregon (202288).

Mattingly, P. F. (See Great Britain, Government of, *British Museum (Natural History)*)

Matuda, Dr. Eizi, México, D. F.: 198 plants collected in México (204267).

Mayer, Fritz, Hamburg, Germany: 6 fishes (203871).

Mayeux, Herman S. (See Florida Agricultural Supply Co.)

Mayne, Dr. Wolf, Caracas, Venezuela: 5 thin sections and 2 type Foraminifera from Venezuela and Algeria (204546); 4 type Foraminifera from Tertiary of Venezuela (204741); 10 type Foraminifera for the Cushman collection (205714).

Maysilles, James H., Ann Arbor, Mich.: 16 plants from México (203928).

McAlister, Frances. (See Clemson Agricultural College)

McAllister, Dr. Raymond F., Galveston, Tex.: 1 shrimp found in bottom sediment core taken 8 miles offshore from Galveston jetty (204375).

McCabe, John H., Arlington, Va.: 1 gyrafalcon (204193).

McCain, Laura B., Alexandria, Va.: 1 plant collected in Ohio (203115).

McCormick, Lela S., Everett, Wash.: Appointment of Joseph Dodge, Jr., as 1st lieutenant, 6th Regiment Middlesex County Militia, Massachusetts Bay Colony, dated April 9, 1778 (206550).

McCuen, C. L. (See General Motors Corp.)

McDermott, Frank A., Wilmington, Del.: 46 beetles from Chile (203333, 206458).

McDunnough, Dr. J., Halifax, Nova Scotia: 8 paratype moths from North America (205406).

McKim, Mrs. W. D., Washington, D. C.: 2 small wooden bowls and a framed mirror, examples of Norwegian folk art in wood carving and application of color (205707).

McKinney, Elva L., Washington, D. C.: Leather needlecase, 1842, lace collar, ca. 1870, pair black satin shoes, pair white lisle stockings and 1 red and white patchwork quilt (205091, 205528).

McLane, Dr. William M., Crescent City, Fla.: 2 polychaete worms, 1 shrimp, and 1 mollusk (205494).

McMullen, Dysart, Washington, D. C.: United States bronze medal, 1889, commemorating the 100th anniversary of the incorporation of Georgetown College (205572).

Mead, Hilda, Springfield, Mo.: 9 fresh-water mollusks from Missouri (202887).

Medical Evangelists, College of, Loma Linda, Calif.: 188 plants from California (205427).

Mehta, Dhirubhai, Ghatkopar, India: 3 first-day covers from India (204892).

Metropolitan Museum of Art, New York, N. Y.: 1 arm chair, 2 side chairs, and 1 slipper chair of rosewood, attributed to John Belter, mid-19th century (206485, loan).

Metter, Raymond E., Columbus, Ohio: 20 Mississippian and Permian brachiopods from Utah (205779, exchange).

Meyer, Maj. Gen. G. Ralph, El Paso, Tex.: 119 sets of eggs of Panamanian bird (206444).

Meyer, Robert C., Staten Island, N. Y.: 2 grasses from New York (203975).

Meyerburg, Robert, Silver Spring, Md.: 2 philatelic specimens (204617). (See also Treasury Department, *Secret Service*)

Miami, University of, Coral Gables, Fla.: (Through Mrs. Gilbert Voss): 9 larval fishes from Florida (203003).

Michigan, University of, Ann Arbor, Mich.: 3 plants collected in México (204453); (through Dr. Franklin D. Johnston) original electrocardiograph owned by Dr. Frank N. Wilson, pioneer in field of electrocardiography (203310); (through Mrs. Joyce H. Jones) 63 lichens (205239, exchange); (through Dr. Irving J. Cantrall) 36 flies from Florida and Michigan (206532).

Michigan State College, East Lansing, Mich.: 18 plants from México (205361).

Micks, Don W., Galveston, Tex.: 35 flies from Iwo Jima (206459).

Miles, Mrs. Arnold, Washington, D. C.: 1 stoneware jar marked "W. J. Lehew and Co., Strasburg, Va.," and wrought-iron, butterfly-type wagon nut (202666); 1 redware kitchen pot and 1 fragmentary stoneware jar (204769).

Miles, Mr. and Mrs. Arnold, Washington, D. C.: 9 pieces of children's undergarments, 19th century (204483); 1 black and white cotton challis house dress, style late 19th century (206338). (See also Mr. and Mrs. L. G. Arp)

Miller, Dr. A. K., Iowa City, Iowa: 215 Ordovician fossils, including types, from Baffin Island (204204); 35 Jurassic brachiopods from Arabia (204731).

Miller, George C. (See Interior, U. S. Department of the, *Fish and Wildlife Service*)

Miller, John. (See Weston Electrical Instrument Corp.)

Miller, Neal E. (See Yale University)

Miller, Comdr. Walter B., Falls Church, Va.: 89 land and fresh-water mollusks from various localities in the United States (203276).

Miner, Mrs. Leo D., Washington, D. C.: Chinese brocaded grass cloth hanging (205275).

Mineralogisch-petrographisches Institut, Göttingen, Germany: 2 specimens of corrensite from Germany (205552).

Ministério da Viação e Obras Públicas, Fortaleza-ce, Brazil: (Through Carlos Bastos Tigre) 20 fishes from Brazil (203383).

Ministério de Agricultura y Cria, Caracas, Venezuela: 2 plants (205114); (through Dr. Francisco Tamayo) 1 lichen from Venezuela (203874).

Ministério de Agricultura e Industrias, San José, Costa Rica: (Through L. A. Salas F.) 9 land snails from San José (204354).

Minnesota, University of, Minneapolis, Minn.: 67 phanerogams, 8 grasses, and 15 ferns from the United States and México (206353, exchange); (through Prof. Henry J. Griffiths) 98 fresh-water mollusks from Minnesota (202749); 21 fresh-water snails from Polk County, Minn. (203763); (through Dr. Samuel Eddy) 4 fresh-water fishes from North Carolina (205235, exchange); (through Dr. Gerald B. Ownbey) 25 New Zealand ferns (205284, exchange); (through Dr. Edwin F. Cook) 95 flies from North America, including 1 paratype (206058, 206059, 206460).

Missouri Botanical Garden, St. Louis, Mo.: 1 cultivated plant (205430); (through Dr. R. M. Tryon, Jr.) 1 isotype of fern (205543, exchange).

Mitchell, Dr. T. B., Raleigh, N. C.: 2 bees (202770, exchange).

Mohammed Ali, Prime Minister of Pakistan, Karachi: Pink pearl from East Pakistan (204597).

Molley, R. E., Mohnton, Pa.: 160 specimens comprising model, patent letters, manuscripts, photographs, and miscellaneous documents pertaining to the inventions of Theodore Ruggles Timby, chiefly in the field of equipment for use in naval warfare (206545).

Monaco, Government of: (Through Office des Emissions de Timbres-Poste) 72 miscellaneous philatelic items from Monaco (205562, 206554).

Monod, Dr. Théodore, Dakar, French West Africa: 13 amphipods from Philippine Islands (203380).

Montana State College, Bozeman, Mont.: 1 grass from Montana (202693).

Montana State University, Missoula, Mont.: 57 plants from Montana and México, collected by LeRoy H. Harvey (197309).

Montgomery, William H., New York, N. Y.: Franklin D. Roosevelt Memorial stamp collection comprising 246 specimens (206553).

Moon, George E., Bakersfield, Calif.: 5 barite sand roses, Cuyama River Valley between Bakersfield and Santa Maria, Calif. (202186).

Moore, Dr. H. E., Jr. (See Cornell University)

Moore, Joseph Curtis. (See Lowe, Ed H.)

Moore, Mrs. William T., Washington, D. C., and **Tasher, Dr. Lucy Lucile,** Normal, Ill.: 18 items of clothing and accessories of the late 19th and early 20th centuries (205719); 1 paisley printed gauze shawl, 1 overshot coverlet, and 1 Jacquard coverlet (205417).

Morlan, Harvey B., Savannah, Ga.: 2 type lice from United States (202941).

Morris, Mrs. George Maurice, Washington, D. C.: 36 pieces of English and Irish 18th-century silver (206052, loan).

Morrison, Dr. Joseph P. E., Washington, D. C.: Williamson teat fire revolver (203526).

Moul, Prof. Edwin T. (See Rutgers University)

Moule, George R., Queensland, Australia: 10 ethnographical specimens from aborigines of Queensland (203876).

Mroczkowski, Maciej. (See Polish Academy of Sciences)

Mrose, Dr. Mary, Arlington, Va.: 11 minerals from Erajarvi, Viitaniemi, Finland (204732).

Muller, Dr. Siemon W. (See Humphrey, Dr. Fred L.)

Mumford, Russell E., Pinckney, Mich.: 31 mammals from Indiana (202828).

Munby, A. N. L., Cambridge, England: Drawing of Washington City from the Southeast copied from an original sketch by Blanc; probably made about 1830 by J. W. Heathcote (206537).

Murch, Robert Westlund, St. Louis, Mo.: 1 Laclede Steel Co. Balloon Derby postcard (204381); 1 envelope with special rubber stamping (205618).

Murray, Rev. J. J., Lexington, Va.: 4 chickadees and 1 sapsucker (203619); 4 bird skins from Virginia (203972).

Museo de Historia Natural "Javier Prado", Lima, Perú: (Through Dr. Ramón Ferreyra) 28 grasses of Perú (206471).

Museum of Natural History, Geneva, Switzerland: (Through Dr. Charles Ferriere) 3 cotype ants from Europe (202984, exchange).

Museum of Natural History, Reykjavik, Iceland: (Through Finnur Gudmundsson) Greenland white-fronted goose (204110, exchange).

Museum of Natural History of Houston, Houston, Tex.: 1 plant (203899).

Mushlitz, Lt. R. D., Arlington, Va.: 2 babingtonites from Arlington Quarry, Leesburg, Va. (203960, exchange).

Myers, E. A., and Son, Inc., Pittsburgh, Pa.: 2 hearing aids, models B–6 and 830 (205911).

Nadeau, Victor, Montreal, Canada: (Through Pierre Brunel) 3 specimens parasitic copepods (204708).

Nagappa, Y., Assam, India: Approximately 150 Recent and Tertiary Foraminifera from India and Pakistan (204387, exchange).

Namegata, Dr. Tomitaro, Chiba-ken, Japan: 100 Japanese ferns (204557, exchange).

National Geographic Society, Washington, D. C.: 14 earthenware vessels restored from fragments found by Neil M. Judd in Chaco Canyon, N. Mex. (198370); dugout canoe made by Charlie Cypress, a Seminole Indian, Great Cypress Reservation, southern Florida (203036); 11 bird skins and 11 fishes from Ungava district, Quebec (203089); 131 bird skins, 15 mammals from Weeks African Expedition (205414).

National Museum, Manila, P. I.: 146 plants of the Philippine Islands (205328, exchange).

National Photographic Society, Washington, D. C.: (Through Harry B. Shaw) 46 monochrome prints and 101 color slides by the Society members for exhibition, November–December, 1954 (204665, loan).

National Research Council, *Pacific Science Board,* Washington, D. C.: 532 plants collected in Caroline Islands by S. F. Glassman in 1949 (203511); 1,115 plants collected in Micronesia by various collectors (204459).

National Science Museum, Tokyo, Japan: 199 Japanese plants collected by Dr. J. Ohwi (202669, exchange); 1 plant from Japan (204552).

National Tuberculosis Association, New York, N. Y.: 2 labels with reproduction of 1953 Christmas Seal, and 2 National Tuberculosis Association "Fifty Years of Service" labels (205612); (through Charles Lorenz) 7 blocks of 4, progressive printing proofs, 1954 Christmas seals; 1 block of 4, 1954 Christmas seal imperforate (205410).

Natural History Museum, San Diego, Calif.: (Through E. P. Chace) 7 land and marine mollusks from Lower California (203237).

Naturhistorische Museum, Vienna, Austria: (Through Dr. Max Beier) 6 insects from Paraguay, Colombia, Costa Rica, and Brazil (205405).

Naturhistoriska Riksmuseet, Stockholm, Sweden: 1,119 plants collected in Haiti by E. L. Ekman (203113, exchange); 36 land snails from Scandinavia (205578, exchange).

Nebraska, State of, *Game, Forestation, and Parks Commission,* Lincoln: 126 plants and 65 grasses from Nebraska (201946, 204789).

Needham, R. M., Lancaster, Ohio: 3 first-day covers (204191, 205570).

Neisser, Philip B. (See Treasury Department, *Bureau of the Mint*)

Nelson, Dr. A. L. (See Interior, U. S. Department of the, *Fish and Wildlife Service*)

Netherlands, Government of the, The Hague: *Administration des Postes, des Telegraphes et des Telephones:* 15

philatelic specimens of the Netherlands (204189). *Director Superieur des Postes:* 1 Netherlands stamp commemorating Royal Statue (205006); 7 commemorative stamps and semipostals of The Netherlands (206371).

Nevada, University of, Reno, Nev.: 1 grass from Nevada (202692).

New Hampshire, University of, Durham, N. H.: 57 plants collected in Alaska by A. R. Hodgdon (204396, exchange).

New Mexico Bureau of Mines and Mineral Resources, Socorro, N. Mex.: 1 titanoclinohumite specimen from Buell Park, Ariz. (205989).

Newcomb College, New Orleans, La.: (Through Prof. Willis A. Eggler) 3 fragments of plants (191640).

Newell, Dr. Norman D. (See American Museum of Natural History)

Newhouse, Dr. Jan. (See Hawaii, University of)

New York Botanical Garden, New York, N. Y.: 147 grasses collected in Ecuador by W. H. Camp (185855); 127 plants, mostly collected in Ecuador by W. H. Camp (202667, exchange); 291 plants of South America collected by Dr. Bassett Maguire, Dr. W. H. Camp, and others (203289, exchange).

New York School for the Deaf, White Plains, N. Y.: 1 early hearing trumpet (206077).

New York State Museum, Albany, N. Y.: (Through Dr. Hugo Jamnback) 14 flies from New York (205279).

New Zealand, Government of, *Department of Internal Affairs:* (Through Thane Riney) 19 rats from New Zealand (193027).

Nicaragua, Government of, *Philatelic Agency of Nicaragua:* (Through Sr. Agustín Vanegas P.) 16 miscellaneous Nicaraguan philatelic specimens (204891).

Nichols, J. T. (See American Museum of Natural History)

Nielsen, Peder, Silkeborg, Denmark: 39 crane-flies, representing 16 species, from Denmark (202864, exchange); 74 flies from Denmark (203596, exchange).

Nolan, Dr. Thomas B., Washington, D. C.: 38 fossil fish from Lower Cretaceous near Eureka, Nev., collected by Dr. G. A. Cooper, Robert Main, and donor in summer 1954 (204670).

North Carolina, University of, Chapel Hill, N. C.: 20 wood specimens and 20 microscope mounts of the genus *Garrya* (205984, exchange).

North Dakota, University of, Grand Forks, N. Dak.: (Through Prof. G. C. Wheeler) 32 land and fresh-water mollusks from North Dakota and Minnesota (201454).

North Dakota Agricultural College, Fargo, N. Dak.: 15 plants from North Dakota (194345); 140 plants from North Dakota (204060, gift-exchange).

Norway, Government of, *Norwegian Embassy,* Washington, D. C.: (Through Torfinn Oftedal) 3 Norwegian State Telegraph System commemorative stamps (204137); 3 Norwegian postage stamp centennial commemorative stamps (204358); Norwegian 10-ore "official" stamp and imprinted postcard, 2 specimens (206548).

Northwestern University Dental School, Chicago, Ill.: (Through Dr. George W. Teuscher) Dental office equipment of Dr. G. V. Black (203911); Caligraph No. 2 typewriter (204613).

Norton Company, Worcester, Mass.: 54 specimens of abrasive and refractory materials (203888, exchange).

Oaks, O. A., Wilmette, Ill.: 10 selected woods from Texas, Africa, Cuba, Venezuela, New Guinea, and New Zealand (204366, exchange).

Office des Emissions de Timbres-Poste. (See Monaco, Government of)

Oftedal, Torfinn. (See Norway, Government of)

Ognjenovic, V. (See Yugoslavia, Government of)

Ogren, Larry, Gainesville, Fla.: 2 Suwannee turtles from Florida (205867).

Ohio State Museum, Columbus, Ohio: (Through Edward S. Thomas) 32 birds from Panamá (203281, exchange).

Ohio State University, Columbus, Ohio: 4,084 plants collected by W. A. Kellerman in Guatemala (205992).

O'Keefe, Dr. John A., Washington, D. C.: 19 phanerogams, 2 grasses, and 1 fern collected in Philippines (204362).

Oklahoma Agricultural and Mechanical College, Stillwater, Okla.: 19 grasses from Oklahoma (203792, exchange).

Oman, Dr. Paul W. (See Agriculture, U. S. Department of, *Entomology Research Branch*)

Orcés V., Dr. Gustavo, Quito, Ecuador: 30 shrimps, 2 spiny lobsters, 5 porcellanids, and 69 crabs from Ecuador (205363). (See Instituto de Ciéncias Naturales)

Oregon, Fish Commission of, Newport, Oreg.: (Through Dr. Lowell D. Marriage) 3 marine mollusks from Oregon (203243).

O'Rourke, Don, Grosse Ile, Mich.: 4 moth larvae from Michigan (205403).

Ortman, Clara, Cocheton, N. Y.: 55 dyed vegetable ivory buttons (204862).

Osborne, Dr. Douglas. (See Washington, University of)

Ostergaard, J. M., Honolulu, T. H.: Holotypes of 7 new species nudibranch mollusks from Hawaiian Islands (204115).

Otarion Inc., Dobbs Ferry, N. Y.: 1 Model A–2 Otarion hearing aid (204949).

Owen, Dr. Gareth, Glasgow, Scotland: 16 Recent foraminiferal samples from *Challenger* Expedition (203067).

Owens-Illinois Glass Co., Toledo, Ohio: 47 small glass and plastic prescription containers and 1 small apothecary show globe with stand (205913).

Ownbey, Dr. Gerald B. (See Minnesota, University of)

Oxford University Museum, Oxford, England: (Through Dr. L. R. Wager) 15 rocks from Skaergaard Intrusion Kangerdlugssuaq, East Greenland (204205, exchange).

Page, M. Josephine, Alexandria, Va.: 160 specimens of costumes, costume accessories, and domestic implements of the 19th century (205078).

Paleontologisk Museum, Oslo, Norway: 1 slab of shale containing several Ordovician brachiopods from Dalarna, Sweden (203973, exchange).

Palmer, Mrs. W. J., Charlotte Hall, Md.: 2 black-widow spiders from Maryland (203081).

Palmer, William G., Jr., Charlotte Hall, Md.: Young hognose snake from Charlotte Hall (203584).

Palmiter, C. C. (See General Electric Co.)

Panamá Canal Natural History Society. (See Benson Grubstakers)

Papua and New Guinea, Territory of, *Department of Forests,* Lae: 109 phanerogams, 5 grasses, and 9 ferns from New Guinea (205944, exchange).

Paradiso, John L., Washington, D. C.: 1 mouse from Baltimore County, Md. (206526).

Paravox Inc., Cleveland, Ohio: 1 Paravox standard Model VH hearing aid (205914).

Parke, Davis, & Company, Detroit, Mich.: Single panel exhibit entitled "The Story of the Ampoule" (206051).

Parker, Frances L., La Jolla, Calif.: 320 type slides and 18 specimens of Foraminifera from Recent of Gulf of Mexico (204371, 204735); 2,000 specimens of Recent foraminifer *Rotaliella* from Yugoslavia (206508); 36 Recent foraminifera from the Gulf of Mexico (205248, exchange).

Parker, Robert H. (See Scripps Institution of Oceanography)

Parkhurst, Joseph L., Jr., Colonia, N. J.: 1 dried worm tube (202199); 5 echinoderms and 3 scallops, from Plymouth, England, and Tromso, Norway (202453, 202548); 4 barnacles, 5 seastars and 2 echinoderms collected at Haifa, Israel (202736); 1 fresh-water and 1 marine mollusk from New Jersey (204409, 205264).

Parnau, John L. (See Goudey, Hatfield)

Patterson, A. D. (See Hendey Machine Company, Inc.)

Peck, Paul, New York, N. Y.: 18 mounted pictures forming exhibit entitled "The Evolution of Medical Illustrating" (203208, loan).

Perconig, Dr. E., Lodi (Milano), Italy: 20 foraminiferal slides and 17

microsamples from Tertiary of Italy (203061, exchange).

Perkins, Sibyl Avery (deceased): (Through Mrs. Robert C. Johnson, Jr.) Commemorative linen napkin, ca. 1850 (203588); 1 silk embroidered shawl, 2 machine-knit silk shawls, 1 silk gauze shawl, 3 tortoise shell and metal combs, and 4 tortoise shell hairpins (205527).

Permingeat, F. (See Service Geologique du Maroc)

Perry, Kenneth M., Falls Church, Va.: German radiosonde apparatus, and Japanese radiosonde apparatus (204101).

Perry, Dr. Stuart H., Adrian, Mich.: Sample of Horse Creek, Colo., meteorite (202714, loan); piece of meteorite that fell at Sylacauga, Ala., 1,682 grams (205402); 33 meteorites (205897).

Peterson, George D., Jr. (See Guam, Government of)

Peterson, Mendel L., Washington, D. C.: 1 sipunculid worm, 2 isopods, 2 crabs, also mollusks, collected in Florida (204791).

Pettibone, Dr. Marian H., Durham, N. H.: Approximately 3,645 marine invertebrates, including 6 types, from Woods Hole, Mass. (204024).

Pfeiffer, J. E., Swedesboro, N. J.: 1 wine bottle from 18th-century shipwreck in Delaware River, and 1 lot of wine-bottle fragments from Wistarberg Glassware site (205901).

Phelan, Sgt. Thomas L., Spokane, Wash.: 5 fossil leaves from Miocene Latah formation near Spokane (203736).

Phelps, Dr. William H., Caracas, Venezuela: 2 birds (203047).

Philadelphia College of Pharmacy and Science, Philadelphia, Pa.: McFerran tablet press, patented July 31, 1888 (204622); (through Dr. Ivor Griffith) 2-piece wooden pill machine made by S. Z. Hall of Philadelphia (203206).

Philleo, E. W. (See General Electric Co.)

Phillips, Ira Dean, Santa Rosa, Calif.: 14 lichens from California (204727).

Phillips, Julius B. (See Hopkins Marine Station)

Phillips, Mrs. T. C., Catlettsburg, Ky.: Uniform coat, trousers, shirt, medals, and decorations owned by Lt. Robert Lee Cox, Jr., during World War II (202530).

Phleger, Dr. Fred B., La Jolla, Calif.: 305 foraminiferal slides (203124).

Pierce, Dr. E. Lowe. (See Florida, University of)

Pinch, William, Rochester, N. Y.: 2 minerals from Loomis talc mine, Fowler, N. Y., and Steele mine, Linhurst, Ontario (203549).

Pineapple Research Institute of Hawaii, Honolulu, T. H.: (Through K. Sakimura) 16 paratype thrips on 3 slides (202547).

Pittendrigh, Prof. C. S., Princeton, N. J.: 11 plants of Trinidad (206476).

Place, Dr. Philip W., South Lincoln, Mass.: French medical officer's bottle container and shoulder carrying belt (205358).

Poland, Government of: (Through Prasa I Ksiazka) 76 Polish stamps and other philatelic items (204096, 204545, 204619, 204895, 205565); 14 Polish stamps, including commemorative specimens of the USSR Treaty of Friendship, 10th Anniversary; 8th International Cycling Race of Peace; and Warsaw Monuments (204897, 206488); 2 Polish stamps commemorating the "5th Intern competition of Chopin's Music," 2nd edition (206364).

Polaroid Corporation, Cambridge, Mass.: (Through Stanford Calderwood) 1 Model 80 land polaroid (still) camera (202854).

Poling, James W., New York, N. Y.: 5 land snails from New Guinea (206555).

Polish Academy of Sciences, *Institute of Zoology,* Warsaw, Poland: (Through Maciej Mroczkowski) 8 beetles, including 4 paratypes, from Europe (202612).

Pollak, Mrs. Virginia Morris, New York, N. Y.: 1 basketry and wood figure from a grave on central coast of Perú, from the Arther Morris collection, Norfolk, Va. (206465).

Pollock, Arline M., Washington, D. C.: 2 revolvers, 1 Belgian pistol, 1

powder flask, 1 powder horn, 1 shot pouch (205627).

Poos, Dr. Fred W., Washington, D. C.: 30,000 leafhoppers (206454).

Post Office Department, Washington, D. C.: 1,137 postage stamps: 1 each from International Bureau of Universal Postal Union and circulars 2–IV, Feb. 12; 4–IV, Mar. 19; 7–IV, Apr. 27; and 9–IV, May 21, all 1954 (203818); 36 commemorative and ordinary postage stamps (203416, 205685); 81 postage meter devices and machines and miscellaneous meter items (205409); 2,097 philatelic specimens (205337, 205474); 540 specimen meter markings prepared for the Post Office Department by Pitney Bowes, Inc. (205720); 671 postage stamps: 1 each issued in other countries and described in Universal Postal Union Bulletins No. 4–IV, Feb. 18; No. 6–IV, Mar. 18; and No. 8–IV, Apr. 15, all 1955 (206382).

Potter, Dr. David. (See Clark University)

Pou, Alejandro and **Pou, Gonzalo**, Montevideo, Uruguay: 3 copper-nickel coins and 9 stamps from Uruguay (202883, 203461).

Pou, Gonzalo. (See Pou, Alejandro)

Prasa I Ksiazka. (See Poland, Government of)

Pratt, Dr. Harry D. (See Health, Education, and Welfare, U. S. Department of)

Prescott, Col. and Mrs. Dana S., Arlington, Va.: 10-piece costume of a Gashghai woman, sister of the 4 tribal chieftains, collected from the Ghashghai, in Iran (206522).

Prescott, Dr. Gerald W., East Lansing, Mich.: (Through Dr. Royal Bruce Brunson) 9 land mollusks from Ecuador (203181).

Prescott, Samuel J., Washington, D. C.: Hickory walking cane with letters "Abraham Lincoln" inlaid in silver supposedly used by President Lincoln in White House (203979).

Price, Dr. Frederick A. (See Liberia, Republic of)

Priest, Amel, Peru, Iowa: 200 assorted invertebrate fossils from Pennsylvanian of Iowa (204377, exchange).

Prince, Robert E., Coral Hills, Md.: 1 bug from Maryland (203530).

Prohaska, Dr. Janet A., APO, San Francisco, Calif.: 1 blind-snake from Andersen Air Force Base, Guam, Marianas Islands (202744).

Puerto Rico, Commonwealth of, *Department of Agriculture and Commerce*, San Juan: (Through Félix Iñigo) 12 shrimps and 1 crab collected by Luis A. Costas Grana from Jayuya, Puerto Rico (202733).

Puerto Rico, University of, Mayagüez, P. R.: 8 grasses from Puerto Rico (204447).

Purchon, Dr. R. Denison, Singapore, Malaya: 17 marine mollusks from Malaya (203233).

Puri, Dr. Harbans S., Tallahassee, Fla.: 17 type ostracodes from Miocene of Florida (204913, exchange).

Quattlebaum, W. Dan, Pasadena, Calif.: Amelung clear blown glass bowl, and decanter engraved with eagle (203045).

Query, Lt. Col. L. J., Alexandria, Va.: Cut "bottoms-up" glass, made at Boston and Sandwich Glass Works (205902).

Quimby, Elsie Howland, Washington, D. C.: 2 Sheraton arm chairs with cane seats (205621).

Quynn, Mrs. Dorothy MacKay, Frederick, Md.: 2 lots glass sherds, 1 lot melting-pot fragments from site of John Frederick Amelung's New Bremen Glassworks, Frederick County, Md., 1 wine-glass stem, 1 bottle fragment, 1 shaft of drawer pull, and 3 bottle sherds dug from yard adjacent to Amelung mansion (204722).

Radalj, Mirko. (See Yugoslavia, Federal Government of)

Rageot, Roger, Norfolk, Va.: 24 land and fresh-water mollusks from Nansemond County, Va. (202837).

Rancho Santa Ana Botanic Garden, Claremont, Calif.: 6 plants of California (204669).

Randall, John E. (See Hawaii, University of)

Rapp, Floyd A., Takoma Park, Md.: 8 minerals from Japan (203800).

Rasetti, Dr. Franco, Baltimore, Md.: 800 assorted invertebrate fossils from the Italian Alps (203302).

Rauch, Leonard A., Jr., Seattle, Wash.: Part of fish skull from Adak, Alaska (202539).

Raup, Omer. (See Holling, Henry)

Rausch, Dr. Robert. (See Health, Education and Welfare, Department of, *Arctic Health Research Center*)

Reddington, C. Richard, Denver, Colo.: 1 kasolite from Mica Lakes area near Hahn's Peak, northern Colorado (204674).

Reed, Dr. Edwyn P., Valparaiso, Chile: 1 fish, holotype of new species (205677).

Reeside, Dr. John B., Jr. (See Cushman Foundation for Foraminiferal Research)

Rehder, Dr. Harald A., Washington, D. C.: 1 picture postcard (204480).

Reid, Dr. J. A., Kuala Lumpur, Malaya: 141 miscellaneous insects from Malaya (206567).

Reinhard, Prof. H. J., College Station, Tex.: 7 flies, including 2 paratypes, from Texas and Utah (202769, exchange); 9 flies, including 8 types (204999).

Reiss, Dr. Z. (See Israel, Government of, *Geological Institute*)

Rensselaer Polytechnic Institute, Troy, N. Y.: 7 cartons of papers and drawings of Alexander Lyman Holley and his organization, 1860 to 1880 (204490).

Rhodesia-Nyasaland, Office of the High Commissioner, London, England: 2 Rhodesia and Nyasaland Victoria Falls Centenary commemorative stamps, July 15, 1955 (206370).

Ridgely, Mrs. William Barrett, Washington, D. C.: 1 painted leather fire bucket with portrait of George Washington (204768).

Riek, E. F., Canberra, Australia: 1 wasp from Australia (206061, exchange). (See also Scientific and Industrial Research Organization)

Riggle, Byron A. (See Triton-East Africa Company)

Riggs National Bank. (See Zears, Charlotte E.)

Rijksherbarium, Leiden, Netherlands: 21 fragments of fern types (203962, exchange); 17 plants of Malaysia (205605, exchange).

Rijksmuseum Van Natuurlijke Historie, Leiden, Netherlands: (Through Dr. L. B. Holthuis) 218 specimens of polychaetes (203875).

Riney, Thane. (See New Zealand, Department of Internal Affairs)

Riser, Dr. N., Nashville, Tenn.: 1 piebald little brown bat from Kentucky (204744).

Ritcher, Dr. P. O., Corvallis, Oreg.: 30 beetles from Oregon (206457).

Ritchey, Mrs. H. S., Winchester, Ind.: 1 silver knitting-needle shield (206436).

Roberts, Dr. F. H. H., Jr. (See Jennings, Dr. Jesse D.)

Roberts, Mrs. Alfred, Baltimore, Md.: 2 pink chiffon and lace over pink satin evening dresses of early 20th century and 1 white satin petticoat worn under dresses (206489).

Robertson, Mrs. Persis, Washington, D. C.: 33 lithographs by Mrs. Robertson for exhibition January 1955 (204600, loan).

Robin, Art, Ketchikan, Alaska: (Through Department of the Interior, *Forest Service*) Tlingit Indian burial recovered by donor at Port Malmesbury, Kuiu Island, southeast Alaska (201863).

Robinson, Douglas C., Haverford, Pa.: 1 green frog (203799).

Rockefeller Institute for Medical Research, New York, N. Y.: Original Einthoven string galvanometer (205104).

Roebling Fund, Smithsonian Institution: 14 minerals from Stari Trg mine, Trepca, Yugoslavia (201908); 3 ellestadites from California (202921); 31 minerals including apophyllite, prehnite and byssolite, from Centreville, Va. (202977, 204907, 206033); 5 specimens of pyrophyllite from Staley, N. C. (203119); 1 spodumene, and 1 tourmaline crystal from Brazil (203227); 10 minerals (203384); 9 mineral specimens from Algeria, Australia, France, Italy, Morocco, and Tunisia (203521);

1 nadorite from Algeria (203726); 34 minerals from various localities in United States, and 1 from Bolivia (203727, 204305); 1 axinite on actinolite from Madera County, and 1 neptunite with benitoite from San Benito County, Calif. (203892); 1 mineral from Morocco (203893); 1 opal from Andamooka, Australia (203894); 10 minerals from California, Maryland, Ontario, British Columbia, Malaya, México, Italy, and Switzerland (204144); 1 bastnaesite crystal from Ambatofangehana, Andakatana, Madagascar (204303); 20 mineral specimens from Langban, Sweden (204332); 2 topaz crystals and 1 smoky quartz crystal from Walker quarry, North Conway, N. H. (204395); 1 crystal of bournonite from Germany (204432); 20 mineral specimens from Switzerland, Germany, Hungary, Czechoslovakia, Japan, Russia (204647); 3 minerals from south of Oxon Run, Anacostia, Md. (204906); 1 dawsonite from Tunisia (204908); 6 dufrenites from Tazenarht, Morocco (204909); 3 endlichites from Santa María del Oro, Durango, México, and 3 miargyrites from Randsburg, Calif. (204910); 3 minerals from India, and 1 mineral from México (204911); 2 chrysotiles from Swaziland, South Africa (205066); 1 topaz from Fisher quarry, Topsham, Maine (205220); 2 artinite specimens from California, and 3 rosasite specimens from México (205344); 1 fibrolite (sillimanite) from Burma (206031); 1 jamesonite and 1 pyrite from Taxco, México (206032); 1 specimen each of zincite, hedyphane, mooreite, sussexite and yeatmanite, from New Jersey (206354).

Roger, Dr. J., Paris, France: 42 paratype Cretaceous Foraminifera from Tunisia (203059).

Rogers, Maj. Gerald T., Wright-Patterson Air Force Base, Ohio: 1 purple gallinule (203508).

Rohrer, Josephine, Washington, D. C.: 4 daugerreotypes and 4 ambrotypes (204601).

Roosevelt, Mrs. Kermit, New York, N. Y.: White silk wedding gown worn by Belle Wyatt of Fairfax, Va., when she married Joseph E. Willard, Sept. 16, 1891 (204615); 12 U. S. Army and militia uniforms of Civil War and Spanish-American War periods (205100).

Rosengarten, A. G., Jr., Philadelphia, Pa.: 1 Militia Dragoon jacket, ca. 1854, and 1 infantry coat, ca. 1860 (203481).

Rosenzweig, Abraham, Minneapolis, Minn.: 3 specimens of goldichite from Dexter 7 Mine, Calf Mesa, San Rafael Swell, Utah (202919).

Ross, Gordon B., México, D. F.: 170 plants from México (202757, 205195).

Ross, Mrs. Helen M., Millburn, N. J.: 34 United States and United Nations first-day covers (204187, 205622, 206497, 206551).

Rothenberg, Mrs. Pearl Gertrude, Los Angeles, Calif.: Silver Jewish ceremonial cup and saucer used at Feast of the Passover (203767).

Rounds, Vera. (See H and R Worm Farm)

Rowell, Chester M., Jr., Ann Arbor, Mich.: 40 Mexican ferns (201196).

Rowley, Elmer B., Glen Falls, N. Y.: 2 tourmalines from northwest end of Brant Lake, near Horicon, N. Y. (203230, exchange).

Royal Botanic Garden, Edinburgh, Scotland: 1 cultivated plant (204725).

Royal Botanic Gardens, Kew, Surrey, England: 344 plants from Borneo (202672, 204108, 205548, 206469, exchange); 166 ferns from Africa and Australia (205602, exchange).

Rozeboom, Dr. Lloyd E., Baltimore, Md.: 3 mosquitoes, type series, from Fiji (202604).

Ruiz de Gaona, Dr. Maximo, Tolosa, Spain: 100 Foraminifera from Tertiary of La Pobla de Claramunt, Cataluña, Spain (204917).

Ruoff, Mrs. Frank Bower. (See Ruoff, John H.)

Ruoff, John H. (deceased): (Through Mrs. Frank Bower Ruoff) 50 G.A.R. medals and badges (203130).

Russell, Dr. Loris S. (See Canada, Government of)

Rutgers University, New Brunswick, N. J.: (Through Prof. Edwin T. Moul) 34 specimens of marine algae (206474).

Ryckman, Raymond E., Loma Linda, Calif.: 1,537 miscellaneous insects from México, Texas, and California (203175). (See also School of Tropical and Preventive Medicine)

Sabrosky, Curtis W., Washington, D. C.: 700 miscellaneous insects from Norway (203599); 46 fungus gnats from Michigan (205276).

Sacramento State College, Sacramento, Calif.: (Through Dr. Martin R. Brittan) 2 paratype fishes from Sungei Patari, Kedah, Malaya, collected by Major R. C. Neath, 1953 (204397).

Saenz-Peña, Charles, Washington, D. C.: 26 wood engravings by Victor Delhez for exhibition December 1954 (204098, loan).

Said, Dr. Rushdi, Dokko, Cairo, Egypt: 4 samples of Foraminifera from Paleocene and Cretaceous of Egypt (204737, exchange).

Sailer, Dr. Reece I., Washington, D. C.: 8 marine invertebrates and collection of insects from Alaska (205367).

Sakimura, K. (See Pineapple Research Institute of Hawaii)

Salas F., L. A. (See Ministério de Agricultura e Industrias)

Salter, William E., Washington, D. C.: Approximately 140 land and fresh-water mollusks from Oklahoma and Texas (202677); 250 fossils from Lower Devonian at White Mound, Okla. (203608); 1 dental battery of fossil fish from Plum Point, Md. (205247); 30 mollusks from Maryland (205398).

Salyer, Clark P. (See Interior, U. S. Department of the, *Fish and Wildlife Service*)

Sanborn, C. C. (See Defense, Department of, *Department of the Navy*)

Saxton, R. N., Stafford, Va.: 1 long-tailed weasel (202676).

Schallert, Dr. Paul O., Altamonte Springs, Fla.: 20 grasses from Florida (203759).

Schelpe, Dr. E. A. (See Cape Town, University of)

Scherer Corporation, R. P., Detroit, Mich.: 1 Scherer rotary-die capsulating machine (205238).

Schindewolf, Dr. O. H. (See Geologisch-Paläontologisches Institut)

Schmitt, Dr. Waldo L., Washington, D. C.: 1 magnolia warbler (203228).

Schnoeker, E. N., Addis Ababa, Ethiopia: 5 Ethiopian coins of different denominations, minted in 1944 (206363).

Scholander, Dr. P. F., Woods Hole, Mass.: 1 shrimp, 1 hermit crab, and 1 crab (206013).

School of Tropical and Preventive Medicine, Loma Linda, Calif.: (Through Dr. Bruce W. Halstead) 2 fishes, including a paratype, from the tropical Pacific (202620, exchange); (through Dr. Raymond E. Ryckman) 135 insects from México (204853).

Schwartz, Albert, Charleston, S. C.: 3 parasitic copepods and tapeworms (176051); 1 snake, paratype of a new subspecies, from Finca Bucaress, Oriente, Cuba (206343).

Schwengel, Dr. Jeanne S., Scarsdale, N. Y.: 380 miscellaneous marine mollusks (203185); 1 marine mollusk from Pulawat Atoll, Caroline Islands (205242); 1 rare marine shell from South Australia (206049).

Scientific and Industrial Research Organization, Canberra, Australia: (Through E. F. Riek) 10 wasps, including 9 paratypes, from Australia (202978), exchange.

Scripps Institution of Oceanography, La Jolla, Calif.: (Through Robert H. Parker) 56 miscellaneous marine invertebrates, 1 mollusk, 1 holothurian, and echinoderms (202730); (through Dr. Thomas E. Bowman) approximately 309 copepods, including 235 types, from off California coast (203843).

Seaman, G. A. (See Virgin Islands, Government of, *Department of the Interior*)

Segeler, Curt G., Brooklyn, N. Y.: 2 triphyllites from Chandlers Mills, N. H.

(203517, exchange); 1 pseudomalachite from New Jersey (205555).

Selli, Prof. R., Bologna, Italy: Sample of Foraminifera from the Miocene of Italy (203190, exchange).

Sennott, Mrs. J. N., Fort Myers Beach, Fla.: 22 marine mollusks (203235).

Service Geologique du Maroc, Rabat, Morocco: (Through F. Permingeat) 1 specimen of the mineral tapiolite (206358).

Sette, Oscar E. (See Interior, U. S. Department of the, *Fish and Wildlife Service*)

Severin, Prof. H. C. (See South Dakota State College)

Shaner, James B., Sr., Kutztown, Pa.: 1 postcard, first day of issue (204206).

Sharp and Dohme, West Point, Pa.: 1 replica stethescope made between 1816 and 1819 (205912).

Shaw, Dr. Alan B. (See Wyoming, University of)

Shaw, Harry B. (See National Photographic Society)

Shedenhelm, William R. C., Berkeley, Calif.: 3 mammals, 2 fleas, and 1 invertebrate (196729).

Sherfy, Mrs. Raphael, Washington, D. C.: Foot-powered dental drill, dental head, and complete set of dental drills (205533).

Shinn, Alvin F., Beverly, N. J.: 2 specimens of syrphid flies from Colorado (206456).

Sigler, C. R., Washington, D. C.: 1 young pilot blacksnake from the foothills of the Shenandoah, 15 mi. south of Luray, Va. (206420).

Silverman, Dr. S. Richard (See Central Institute for the Deaf)

Simler, Mrs. John W., Oklahoma City, Okla.: Map of Fort Brentwood, Tenn., drawn by Samuel Banks, May 1864, and modern reproduction of photograph of Samuel Banks (202207).

Simons, Sylvia, Washington, D. C.: Child's parasol, mid-19th century (205626).

Sinkankas, John, Arlington, Va.: 1 golden calcite from Rosarita Beach, Baja, California, México (204598, exchange); 1 enstatite specimen from India (206504).

Skotzke, Sigmund C., Milwaukee, Wis.: 8 U. S. Naval covers and 299 assorted United States and foreign stamps, mostly used (205571).

Slip, Roy. (See Clark, Col. Eugene S., Jr.)

Smith, Dr. Allan, Pullman, Wash.: 116 plants from Ryukyu Islands (203050).

Smith, Foster D., Jr., Upper Montclair, N. J.: 1 tinamou from Venezuela (203366).

Smith, Frank R., Laurel, Md.: 1 shrew from Maryland (203802).

Smith, Dr. Hobart M. (See Illinois, University of)

Smith, Marshall C., Moylan, Pa.: Waterman "Porto" outboard boat engine, purchased in 1909 (202674).

Smith, Maj. Robert B. W., Silver Spring, Md.: 3 Japanese birds (206442).

Smith, Robert O., Lima, Perú: (Through Dr. Raymond M. Gilmore) 1 harbor porpoise captured by the donor off Callao, Perú (206525).

Smith, Mrs. S. Watson, Tucson, Ariz.: 1 plant cultivated in Arizona (204770).

Smith, William R., Falls Church, Va.: 1 stilbite from near Medford, Oreg. (202713, exchange); 1 prehnite and 6 casts of prehnite after calcite from Centreville, Va. (203120, exchange); hubnerite with scheelite reaction rim from Hamme tungsten mine, Tungsten, N. C., and 1 clinoclase from near Oatlands, Va. (204465, exchange); 3 specimens phlogopite and 1 graphite from Canada, 1 specimen clinochlore from Virginia (205038, exchange).

Smithson, C. D. (See Treasury Department, *Bureau of Customs*)

Smithsonian Institution, Washington, D. C.: Period household furnishings and prints from Mrs. Josephine Boardman Crane (deposit 206579). *Found in collections:* 2 etchings by G. B. Piranesi, "Veduta del Palazzo del' Accademia," and "Veduta sul Monte Zuirinale del Palazzo Eccelentissima" (203076, deposit); 11 different types of marbled paper (203077, deposit); 2 octants (204107, deposit); 1 collotype by Ernest Edwards after engraving

showing departure of Ulysses (204776); surveying instrument, telescopic sight compass (205530); pen and ink drawing of U. S. Steamer *Curlew*, Civil War period (205888, deposit); 1 seismograph and 20 specimens of acoustic apparatus from instrument room (205890, deposit); 1 Wedgwood queensware laboratory tray from taxidermy shop (205903); 1 photogravure by Karl Klic entitled "C. Russell" (206345, deposit). *Made in Laboratories:* Cast of skull from Midland, Tex. (205791); 926 photographs and microfilm frames (206470). (See also following funds: Canfield, Chamberlain, Dahlgreen, Eickemeyer, Roebling, Springer, Walcott.) BUREAU OF AMERICAN ETHNOLOGY: Archeological materials consisting of potsherds collected by Dr. Matthew W. Stirling on Taboguilla Island in 1953 (202531); insects, 95 mammals, and 15 marine invertebrates from Southampton and Coats Islands collected by Dr. Henry B. Collins on National Geographic Society, National Museum of Canada, and Smithsonian Expedition, 1954 (203786); 385 plants collected by James Mooney at Cherokee Reservation, Qualla, N. C., in 1888 (204571); models of heraldry, peyote and game equipment, collected by James Mooney among the Kiowa Indians (205978); 1 badger from New Mexico (206445). *River Basin Surveys:* Archeological material from the Allatoona Reservoir area on the Etowah River, Cherokee, Bartow, and Cobb Counties, Ga. (202135); 327 specimens of archeological material consisting of potsherds, copper, stone, bone and shell objects, from 3 sites in Tuttle Creek Reservoir, Pottawatomie County, Kans., collected by Missouri Basin Project field parties in 1952–53 (202358); 120 archeological specimens from site 35–WS–5, Dalles Reservoir on Columbia River, Wasco County, Oreg. (202532); archeological materials from the Conomaugh Reservoir, Pennsylvania, scattered sites in Marshall and Wetzel Counties, W. Va., and Cheatham and Old Hickory Reservoirs, Tenn., collected by Ralph S. Solecki 1950 and 1954 (202537); archeological material from 2 sites in Cachuma Reservoir area on Santa Ynez River, Santa Barbara County, Calif. (203964); archeological material in and about Broncho Reservoir, Mercer County; Dickenson Reservoir Area, Stark County; Koehler site, Heart Butte Reservoir, Grant County, all in North Dakota (205436); 21,046 archeological specimens from 2 sites in Oahe Reservoir, Stanley County, S. Dak. (205437); archeological material from sites in and about Garrison Reservoir, in Dunn, Mercer, McLean, Mountrail, and Williams Counties, N. Dak. (205438); 797 archeological specimens from Allatoona Reservoir area, Cherokee County, Ga. (205526); 3,648 archeological specimens from Montana, collected by the Missouri Basin Project (206347). (See also Solecki, Ralph.) NATIONAL MUSEUM: *Collected:* 427 plants collected in New Caledonia by M. G. Baumann-Bodenheim, University of Zurich, and associates (202711); 16 marine invertebrates, 1 starfish, 14 mollusks, and 1 coral collected off the coast of Florida by Frederick M. Bayer and John E. Randall (203241); 31 birds and 5 mammals from Colombia, collected by M. A. Carriker, Jr. (203046); 8 jadeite and 2 sericite beads from various archeological zones in México through Dr. W. F. Foshag (202701); 23 small mammals from Southern Appalachian Highlands collected by Charles O. Handley, Jr. (206451); 3,445 plants from the Isle of Pines, Cuba, and the Florida Keys, collected by E. P. Killip (202635, 204454); 21 crustaceans, 1 reptile, 2,341 fishes, and 29 marine invertebrates from Georgia, North Carolina, South Carolina, and Virginia, collected by Dr. Ernest A. Lachner and Dr. Frank Schwartz, September 1954 (203516); 2,850 plants and 166 land and freshwater mollusks collected in México by Dr. Ernest R. Sohns (203775, 205907); 7 galeite specimens from Searles Lake, Calif., collected by George Switzer, August 1948 (205988); 195 plants collected in the Philippine Islands and 37

plants from other localities by Mr. E. H. Walker (203159, 203512); 959 bird skins, 54 skeletons, 2 alcoholics, 1 set eggs, 9 mammals, 2 insects from Panamá, and 3 mammals from Shenandoah National Park, Va., collected by Dr. A. Wetmore (203850, 206512). *Purchased:* East Indian hand-mill or roller gin (202696); 117 beetles, including types, from South America (203582); mounted Japanese long-tailed fowl (203798); 11 mammal skins from Korea (204650). NATIONAL ZOOLOGICAL PARK: 30 mammals (206447); (through Dr. William M. Mann) 42 birds (206441). (See also Landis, Martin A.)

Smitter, Dr. Y. H., Johannesburg, Union of South Africa: 34 Upper Cretaceous Foraminifera from the Union of South Africa (205645).

Smout, Dr. A. H., London, England: 272 Foraminifera from Tertiary and Cretaceous of Middle East (203068, exchange).

Sniffen, Harold S. (See Mariners Museum)

Sociedad de Ciencias Naturales La Salle, Caracas, Venezuela: (Through Brother Ginés) 560 plants from Venezuela (200571, 203845); 14 shrimps and 4 crabs from Venezuela (202275).

Socin, Prof. Constantino, Torino, Italy: 3 microsamples for Foraminifera from Eocene of Northern Italy (204461, exchange).

Solano, Solita, Morristown, N. J.: 2 fly larvae and host (mouse) (203109).

Solecki, Ralph, New York, N. Y.: (Through Smithsonian Institution, *Bureau of American Ethnology*) 46 Ethnographical specimens collected in Iraq in 1951–53 (202536).

Soukup, Dr. J., Lima, Perú: 137 plants from Perú (204451, 205904).

Soule, Lucia, Boston, Mass.: 1 U. S. Lincoln Indian Peace Medal of silver dated 1862 (205943).

South African Institute for Medical Research, Johannesburg: (Through F. Zumpt) 4 flies from Africa and 1 from Japan (205896).

South Dakota State College, Brookings, S. Dak.: (Through Prof. H. C. Severin) 1 beetle from United States (202988).

Southern California, University of, *Allan Hancock Foundation,* Los Angeles, Calif.: (Through Dr. J. Laurens Barnard) 4 amphipods (202969, exchange); (through Fred C. Ziesenhenne) 15 Ophiuroid paratypes (205205).

Southern Methodist University, Dallas, Tex.: 24 specimens of mosses (202976, exchange).

Southern Rhodesia Geological Survey Office, Salisbury: 8 minerals from Southern Rhodesia (205987); (through Dr. Eric Barlow) 1 simpsonite from Bikita District, Southern Rhodesia (204463, exchange).

Sowerby, Arthur de C., Estate of: (Through Mrs. Arthur de C. Sowerby) Approximately 550 mollusks from South Africa, Okinawa, Gulf of California, and Trinidad, 1 alga and 8 echinoid tests (204550).

Sowerby, Mrs. Arthur de C. (See Sowerby, Arthur de C., Estate of)

Spangler, Paul J., Columbia, Mo.: 8 type beetles (202925).

Spanton, H. G., Buenos Aires, Argentina: 8 South American philatelic specimens (206487, 205623).

Sperry, Mrs. John L., Riverside, Calif.: 335 microlepidoptera from North America (202605).

Speyer, E. R., Cheshunt, England: 119 thrips from England (203079).

Springer Fund, Smithsonian Institution: 19 type and figured Ordovician, Silurian, and Mississippian crinoids from Oklahoma (203804); 42 Pennsylvanian crinoids of north-central Texas, including 29 types (204201).

Springer, Stewart, Pascagoula, Miss.: 103 fossil shark's teeth and vertebrae from Florida (204229). (See also Interior, U. S. Department of the, *Fish and Wildlife Service*)

Stahl, Barton E., Washington, D. C.: 1928 Westinghouse portable oscillograph (204111).

Stainbrook, Dr. Merrill A., Brandon, Iowa: 2 foraminiferal samples from the Devonian of Iowa (205401).

Stamp Collectors Club of Toledo, Toledo, Ohio: 1 first-day postcard, 4-cent airmail, Sept. 3, 1954, Philadelphia, Pa. (205610).

Stanford University, Stanford, Calif.: 155 plants (204390, exchange).

Stannard, Dr. Lewis J. (See Illinois Natural History Survey Division).

Stanton, Douglas A., Falls Church, Va.: Slab of Oriskany sandstone from Gore, Va., containing 2 impressions of crinoid (203902).

Stearns, Dr. Harold T., Hope, Idaho: 1 fossil gastropod from early Tertiary of Idaho (203086).

Stearns, J. L., Philadelphia, Pa.: 9 plants collected in California (204380).

Stearns, Richard E., Baltimore, Md.: 52 stone and pottery artifacts (202602).

Steel, Dr. W. O., Maidenhead, England: 12 insect paratypes from Africa (182221, exchange).

Steger, Daniel, Tampa, Fla.: 34 Gulf of México gastropods, including holotypes of 3 new species (201483); 1 mollusk from Florida (203903).

Stehli, Dr. Francis G., Pasadena, Calif.: 1 color-marked type brachiopod from the Devonian of Northwest Territories of Canada (204200).

Steinberg, Joan, San Francisco, Calif.: 1 holotype marine invertebrate (204792).

Stephen, W. A., Raleigh, N. C.: 2 moths from North Carolina (205404).

Sterner, Oscar E., Syracuse, N. Y.: Edison C–150 phonograph (205422).

Stevens Institute of Technology, Hoboken, N. J.: (Through Dr. Jess H. Davis) Curtis steam turbine (202632).

Stevenson, Dr. John A. (See Agriculture, U. S. Department of)

Stick, Frank, Kitty Hawk, N. C.: (Through Isaac Ginsburg) 5 fishes from off Kitty Hawk, N. C. (203589).

Stifler, Mrs. James M., Bradenton, Fla.: 3 cultivated ferns (203787).

Stinton, Dr. F. C., Bournemouth, England: Approximately 750 otoliths of fossil fishes from Eocene Lower Barton Beds, Highcliffe, Hampshire County, England (204671).

Stockvis, A. P. (See Treasury, U. S. Department of, *Secret Service*)

Stoddard, Herbert L., Sr., Thomasville, Ga.: 4 skins of Canadian geese (204664); 201 bird skins from southeastern United States (205090).

Stone, Theodore, Chevy Chase, D. C.: 10 mollusks from Long Island, N. Y. (202678).

Strasburg, Dr. Donald W. (See Duke University)

Strelak, Joseph S., Waukegan, Ill.: 74 first-day covers, cacheted airmail postcards, wrappers, and other philatelic specimens (204385, 205101, 205624, 205625, 206498, 206547).

Strobell, Robert, Washington, D. C.: 1 Costa Rica envelope franked with 5-centimo uncanceled stamp (206503).

Strott, Louis L., Marietta, Pa.: 1 cut star moonstone from Ceylon (204031).

Stuart, Mr. and Mrs. A. Donaldson, Rutherford, N. J.: (Through Margaret Lambie) 5 cartes de visite by E. S. Dunshee, Napoleon Sarony, and Abraham Bogardus, and 1 photograph by Napoleon Sarony (206533).

Stuart, Melville W. (See Jodidi, Mrs. Elizabeth)

Stukenberg, Dr. B., Pietermaritzburg, South Africa: 5 flies from South Africa (206067).

Sundstrom, Gustaf T. (See Interior, U. S. Department of the, *Fish and Wildlife Service*)

Sutton, Dr. George M., Norman, Okla.: 5 specimens of western mourning dove (203910).

Swain, Dr. Frederick M., Minneapolis, Minn.: 161 ostracods, including 57 types, from Texas (205159).

Swallen, Jason R., Washington, D. C.: 346 miscellaneous U. S. grasses (205547).

Swanson, Dr. Earl H. (See Washington, University of)

Swoboda, Edward R., Los Angeles, Calif.: Garnet from Lake Jaco, Chihuahua, México, 2 specimens of beryl and 1 kyanite from Minas Gerais, Brazil, and 2 clinozoisites from near Ensenada, Baja, Calif. (203958, exchange).

Sydney, University of, Sydney, Australia: 81 plants collected in Australia by A. T. Hotchkiss (204104, exchange).

Takayanagi, Dr. Yokichi, Sendai, Japan: 3 paratype Foraminifera from the Pliocene of Japan (203292, exchange).

Talbot, Dr. Mary, St. Charles, Mo.: Approximately 50 ants from North America (203334).

Taliaferro, Philip A., Monroe, La.: 1 oyster specimen growing on a marble and 1 abnormal crab claw from Florida (206079).

Tamayo, Dr. Francisco. (See Ministério de Agricultura y Cria)

Tantz, Mrs. Minnia A., Baltimore, Md.: Mahogany drop leaf table (195554).

Tasher, Dr. Lucy Lucile. (See Moore, Mrs. William T.)

Tateoka, Tuguo, Misima, Sizuoka-ken, Japan: 47 grasses from Japan (205541, exchange).

Tavora, Prof. Elysiaro, Rio de Janeiro, Brazil: 2 minerals from Brazil (203554).

Taylor, Mrs. A. N., Alexandria, Va.: 14 ethnographic specimens collected about 1890 by Miss Virginia Pride, aunt of donor, from the Matabele, Paarl, South Africa, seed necklace and 2 bracelets from island of St. Helena, Masonic watch fob, and 6 photographs of South African subjects (202712).

Tearse, C. D., Winona, Minn.: 1 tortoise shell tagalog headman's helmet (205815).

Telex, St. Paul, Minn.: 1 audiscope and 1 Telex Telemite hearing aid (205419).

Templeman, Mrs. Eleanor Lee, Arlington, Va.: Small photograph of Harriet Lane, niece of President James Buchanan and First Lady of the White House, 1857–1861 (205245); 5 articles of men's and women's clothing of mid-19th and early 20th centuries (206544).

Teuscher, Dr. George W. (See Northwestern University)

Texas, University of, Austin, Tex.: 1 grass from Texas (202763); (through Dr. Clark Hubbs) 66 fishes from Korea, and 5 crustaceans (203515).

Texas Christian University, Fort Worth, Tex.: (Through Dr. Willis G. Hewatt) 300 marine mollusks from Texas (201275).

Thailand Royal Forest Department, Bangkok: 20 samples of woods from Thailand (205889, exchange).

Thienes, Dr. Clinton H., Pasadena, Calif.: 1 East Indies poison-arrow quiver and 14 poison-arrow darts (205009).

Thomas, Edward S. (See Ohio State Museum)

Thomson, Dr. J. M. (See Australia, Government of)

Thorman, Emanuel, Arlington, Va.: Chinese slate gong and Chinese picture of the "tree of life" (205705).

Tidestrom, Ivar, St. Petersburg, Fla.: 173 plants collected in Sweden (205429).

Tier, Mrs. Lillie K., Washington, D. C.: 3 dresses and fan, mid-19th century (202767); 1 patchwork and applique quilt, basket design (205529).

Tierney, Peter, Washington, D. C.: 1 Columbus King pocket watch (206344).

Timberlake, P. H., Riverside, Calif.: 9 bees from United States (201256).

Todd, Dr. E. L., Washington, D. C.: Approximately 2,575 miscellaneous moths from all over the world (203083).

Todd, M. Ruth, Washington, D. C.: 1 Maryland yellowthroat (206443).

Tokunage, Dr. Masaaki, Kyoto, Japan: 12 biting midges from Japan and Formosa (206566).

Tomkins, Ivan R., Savannah, Ga.: 4 fresh-water mollusks from Altamaha River, Ga. (203885).

Tomlinson, Jack, Berkeley, Calif.: 75 barnacles on 25 slides (202523).

Tonti, Edmond C., Baton Rouge, La.: 50 late Eocene and Oligocene pectens (205095, exchange).

Trainer, Mrs. John N., Brewster, N. Y.: The John N. Trainer collection of garnets, 600 specimens (204675).

Traub, Lt. Col. Robert. (See Defense, U. S. Department of, *Department of the Army*)

Treasury, U. S. Department of the, Washington, D. C.: 2 copies of the Annual Assay Medal of bronze dated 1955 (205019). *Bureau of Customs:* (Through Mr. C. D. Smithson) 5 firearms (206481). *Bureau of Engraving and Printing:* 28 sample sheets of paper submitted with bids during November 1878 for use in manufacture of U. S. currency (204614). *Bureau of the Mint:* (Through Philip B. Neisser) 2 pattern 5-cent pieces 1896, Philadelphia Mint, struck in aluminum (203131); (through Mrs. Rae V. Biester) 2 bronze medals of President Dwight D. Eisenhower (204125, loan); 2 sets U. S. coins, 2 sets proof coin, 1955 issue (204796). *Internal Revenue Service:* 49,642 Internal Revenue stamps (206483). *Secret Service:* (Through Robert Meyerburg and A. P. Stockvis) 28 counterfeit stamps (204718).

Treat, Asher E., New York, N. Y.: 7 mites, eggs, and embryos, including 3 types, from Tyringham, Mass. (202980).

Triton-East Africa Company, Sarasota, Fla.: (Through Byron A. Riggle) 6 marine mollusks from Formosa Bay, Kenya, East Africa (204591).

Trobridge, Gerry, Bayshore, Port of Spain, B. W. I.: 3 fishes (204823).

Troelsen, Dr. J. C., Copenhagen, Denmark: 6 Foraminifera from the Cretaceous of Denmark, including 4 paratypes (203069); 609 Foraminifera from the Paleocene, Cretaceous, and Tertiary of Denmark (203330, 204263, 204468, exchange); 2 Foraminifera from the Pliocene of Italy (203773, exchange).

Tropical Research Medical Laboratory, San Juan, Puerto Rico: (Through Dr. Harold W. Harry) 479 shrimps and 12 crabs from Puerto Rico (204084).

Tryon, Dr. R. M., Jr. (See Missouri Botanical Garden)

Tsuneki, Dr. K., Fukui, Japan: 145 wasps from Japan (205995, exchange).

Tucker, Grattan B., Miami Beach, Fla.: Political button inscribed "Andrew Jackson, President, 1829" (202284).

Tulane University, New Orleans, La.: 6 diatoms from Louisiana, collected by Dr. R. M. Darnell (203370); (through Dr. Rezneat M. Darnell) sample of marine diatoms (204009).

Turner, Eugene A., Tryon, N. C.: Chinese silver dollar, 1928 (202597).

Turver, Mrs. H. B., South Gate, Calif.: 53 marine mollusks from Sonora, México (202748).

Tvedt, Reidar. (See United Nations Postal Administration)

Tyler, Richard W., Umnak Island, Alaska: 16 plants of Alaska (204455).

United Nations, Food and Agriculture Organization of the, Washington, D. C.: 44 plants from Afghanistan collected by Dr. A. T. Semple (202618).

United Nations Postal Administration, New York, N. Y.: (Through Reidar Tvedt) 5 first-day covers, UNESCO commemoratives (205411, 205564, 206359).

Universidad Central de Venezuela, Maracay, Venezuela: (Through Dr. F. Fernandez-Yepez) 37 butterflies from Venezuela (205000).

Universidad Nacional de Eva Perón, Eva Perón, Argentina: 150 plants from Argentina (203974, exchange).

Universitatis Jagellonicae, Cracow, Poland: 127 plants of Poland (204724, exchange).

Université de Dijon, Dijon, France: (Through Professor Ciry) 637 Foraminifera, ammonites, pelecypods, and brachiopods from the Jurassic and Cretaceous of France (203123, exchange).

Université de Rennes, Rennes, France: (Through Prof. Henry N. des Abbayes) 28 ferns from Africa (205550).

Unknown donor: 28 postcards, printed in Switzerland, reproducing Swiss and foreign stamps in color and 1 cacheted envelope marking centennial of incorporation of Elizabeth, N. J. (206366); 3 first-day covers, and 1 postcard with "First Day of Issue" cancellation (206501).

Uppsala, University of, Uppsala, Sweden: 88 phanerogams, 35 grasses, 17

ferns from Sweden and Arctic Norway (206352, exchange).

Usinger, Dr. Robert L., Berkeley, Calif.: 2 bugs from Micronesia and 2 from Guam, paratypes (204433, 205002).

Utah, University of, Salt Lake City, Utah: (Through Dr. Walter P. Cottam) 1 plant from Arizona (203848).

Utah State Agricultural College, *Intermountain Herbarium,* Logan, Utah: 148 phanerogams, 43 grasses (206467, exchange).

Valle, Rafael Heliodoro, Washington, D. C.: 53 cancelled postage stamps from Latin America (204743).

van den Bruel, Dr. W. E. (See Belgium, Government of)

Van-der Hoef, Col. George T., and Mrs. Harriet Bellamy Van-der Hoef, Washington, D. C.: 10-keyed transverse flute marked "H F Meyer, Hannover" (203769).

Van-der Hoef, Mrs. Harriet Bellamy. (See Van-der Hoef, Col. George T.)

Vanegas P., Sr. Agustín. (See Nicaragua, Government of)

Van Ells, Dr. M. E., Sr., Ann Arbor, Mich.: 1 alga, 2 marine invertebrates, and 4 toads from Michigan (202942, 203474).

Van Noten, Jean, Englewood, N. J.: 12 Belgian Rotary International stamps and 6 Belgian semipostals, autographed by donor as designer (204896, 206495).

Vatikiotis, Sozon, Tarpon Springs, Fla.: Approximately 130 marine, land, and fresh-water mollusks from Oaxaca, México (202771).

Vaurie, Patricia. (See American Museum of Natural History)

Vazquez, Alberto W., Arlington, Va.: 2 crayfishes from Gasconade River, Pulaski County, Mo. (202522); 5 small mammals and 89 mollusks from Missouri and Virginia (202650).

Verner, Jared, Moscow, Idaho: 3 birds from Ecuador (204269, exchange).

Verrill, A. Hyatt, Chiefland, Fla.: 4 ant lions from Florida (203084, 206529); 11 marine mollusks from Florida and Dominica, B. W. I. (203761); 4 reptiles from Chiefland, Fla., collected by donor (203839).

Vickrey, Mrs. Emma Mae, Chevy Chase, Md.: 10 ethnological specimens from the San Blas Indians of southeastern Panamá, collected by donor in 1932 (203188).

Vigneaux, Dr. Michel, Bordeaux, France: 400 samples of Foraminifera from the Tertiary near Bruges, France (203192, exchange).

Villalobos, Dr. Alejandro, México, D. F.: 22 isopods, 31 crayfishes and 1 crab from México, including types (194157, 196171, 204138, exchange).

Virgin Islands, Government of, *Department of the Interior, Office of Territories,* St. Croix: (Through G. A. Seaman) 2 rats from St. Croix (205203).

Vitan, Alberto, Manila, P. I.: 18 miniature Moro weapons made and mounted on hardwood shield at Bilibid prison (206464).

Vladykov, Dr. Vadim D., Quebec, Quebec: 3 specimens of argulids (205636).

Volta Bureau for the Deaf, Washington, D. C.: Audiphone bone-conduction hearing aid invented by R. S. Rhodes, 1879 (205532).

Voss, Gilbert L., Coral Gables, Fla.: 3 nudibranchs from the Bahamas and 2 snapping shrimps (203209, 203279). (See also Howard, Col. John K.)

Voss, Mrs. Gilbert. (See Miami, University of)

Wager, Dr. L. R. (See Oxford University Museum)

Walcott Fund, Smithsonian Institution: 500 Middle Devonian invertebrate fossils collected by Dr. G. A. Cooper in central New York, 1955 (185108); 2,000 microsamples for Foraminifera, and approximately 3,500,000 invertebrate fossils from Paleozoic, Mesozoic, and Cenozoic of England, France, Italy, Spain, Belgium, Netherlands, Germany, and Austria, collected by Dr. A. R. Loeblich, Jr., 1953–54, 18 Middle Eocene fishes from Italy and 1 boehmite (bauxite) from Engardine Mine, Var, France (195551); 153 Cretaceous Foraminifera, 30 Cretaceous microfossil samples, and 250 Cretaceous brachiopods from England (203074); approximately 607 specimens of fossil Mammalia from the

Paleocene and Lower Eocene of south-central and southwestern Wyoming, collected by C. L. Gazin and Franklin L. Pearce, June–July 1954 (203298); 15,000 invertebrate fossils from Mississippian and Devonian of Iowa, Missouri, and New Mexico, Ordovician of central Nevada, Mississippian of Indiana, and Pennsylvanian of Illinois, collected by Dr. G. A. Cooper and R. J. Main, June 1954 (203299); 132 Triassic brachiopods (203301); 1,000 Ordovician and Pennsylvanian echinoderms and Ordovician and Silurian trilobites from Oklahoma (203518); 1,000 Mesozoic brachiopods, 60 Mesozoic ammonites, and 300 Permian invertebrate fossils, all from Sicily (204102); approximately 271 fossil fishes, reptiles and associated invertebrates collected by Dr. David H. Dunkle in Park County, Wyo.; Paris, Idaho; Cache and San Juan Counties, Utah, during July, August, and September 1954 (204207); 165 Foraminifera from the Tertiary of Czechoslovakia (204802); 48 foraminiferal samples of Miocene from Florida, and Cretaceous from Oklahoma and Texas (205008).

Walden, Mrs. Mayme Ruhelmann (deceased): (Through Sylvia Walden) 2 notes issued by Hagerstown Bank, Md., 1814, and Phenix Bank of New York, 1822 (202755).

Walden, Sylvia. (See Walden, Mrs. Mayme Ruhelmann)

Walker, Boyd W. (See California, University of)

Walker, Dale R., Delaware, Ohio: Fossil fish median dorsal plate, collected in 1952 by donor from Devonian of Delaware County, on Weiser Run, near Delaware, Ohio (202603).

Walker, Dr. Egbert H., Washington, D. C.: 7 plants from Maryland and Virginia and 11 from Shenandoah National Park (202761, 206562); 1 sponge and 2 crabs from Maine (203348).

Walker, Dr. J. F. (See Gulf Coast Research Laboratory)

Ward, Philip H., Jr., Philadelphia, Pa.: 42 philatelic specimens (204117).

Wark, Mrs. Florence C., Hendersonville, N. C.: 4 dresses, ca. 1890, a Chinese child's jacket, and pair of wedding slippers (203304).

Warner-Chilcott Laboratories, New York, N. Y.: (Through Elmer H. Bobst) Copper pill-rolling pan used in mid-19th century by William R. Warner to manufacture America's first mass-produced sugar-coated pills, and copper pitcher for pouring sugar syrup in this manufacturing process (203207).

Washington, University of, Seattle, Wash.: (Through Dr. Earl H. Swanson) 4 fresh-water mussel shells from archeological sites near Vantage, Wash. (202577); (through Dr. Arthur W. Martin) 8 fresh-water mussels from King County, Wash. (202617); (through Dr. Douglas Osborne) 4 fresh-water mussel shells from archeological sites near Vantage, Wash. (203424). *Arboretum:* 5 plants (202765).

Washington, State College of, Pullman, Wash.: (Through Dr. George E. Hudson) 13 mammals from southeast Alaska (201617); (through Dr. Maurice T. James) 10 flies from North America (203681, exchange).

Waskey, Frank, Olney, Md.: 1 vivianite from near Cape Vancouver, Nelson Island, Alaska (204728).

Wass, Marvin L., Pass-a-Grille, Fla.: Approximately 1,000 marine invertebrates (203280).

Watkins, C. Malcolm, Washington, D. C.: Stoneware jug and fragment of melting pot from Kohlenburg Glass Works (205900).

Watters, Bruce W., St. Petersburg, Fla.: 5 conductor's batons of ebony, ivory, and gold, originally presented by Anna Held and others to Frank N. Darling (201949).

Weaver, Mrs. Alicia Barnes, Washington, D. C.: Embroidered curtain from Baghdad, Iraq, imported from Turkey about 1880 (204603).

Weaver, B. Woodruff, Washington, D. C.: 6 pieces of furniture, 19th century, for exhibit in First Ladies' Hall (206542, loan).

Webb, J. H., Rochester, N. Y.: 52 miscellaneous marine mollusks (203426); 1 marine mollusk from Japan (205753).

Weber, Walter A., Washington, D. C.: 1 bobcat from Adirondack Mountains, N. Y. (203897).

Webster, Frances M., Washington, D. C.: Machete with brown leather scabbard, of Mexican War period (204039).

Wedderburn, Alexander J., Washington, D. C.: 4 Egyptian "British Evacuation" stamps, 1954 (204196); 1 Egyptian cover with 5 stamps, including 2 with King Farouk portrait (204901).

Wellington, J. W., Fort Yates, N. Dak.: Pair of dolls made by Assiniboin Indian woman (206348).

Wells, Dr. John W., Ithaca, N. Y.: Approximately 400 corals from Australia; also some alcyonarians and sponges (205168).

Wells, Dr. William H. (See Defense, Department of, *Department of the Navy*)

West Virginia University, Morgantown, W. Va.: 43 plants from southeastern United States (206475, exchange).

Westchester County Coin Club, New Rochelle, N. Y.: 20th Anniversary medal of the Westchester County Coin Club, New York, 1954 (202627).

Western Australia, University of, Nedlands: 111 Paleozoic and Mesozoic invertebrate fossils from Western Australia (203969, exchange).

Westgate, Dr. Philip J. (See Florida, University of)

Weston Electrical Instrument Corp., Newark, N. J.: (Through John Miller) Collection of electrical measuring instruments (203371).

Westrex Corporation, New York, N. Y.: Western electric disk recording machine (205598).

Wetmore, Dr. Alexander, Washington, D. C.: 1 partially webbed foot of a mallard duck (196326); 17 miscellaneous coins and tokens of the 19th century, 1 Canadian 1-dollar bank note, 35 foreign coins of modern issue and 2 Canadian coins (202745, 203594, 204268); 1 Tele-Photo A camera (203616); tobacco pipe of incised hardwood collected by donor in 1920 from Toba Indians at Riacho Pilagá, Territory of Formosa, northern Argentina (203965); 4 skeletons of wren-tit (204475); 8 casts of fossil bird bones (205712). (See also Smithsonian Institution)

Whalen, William F., Bronx, N. Y.; 1 glaucochroite from Franklin, N. J. and 1 roeblingite (204742, exchange).

Wheeler, Prof. G. C. (See North Dakota, University of)

Wheeler, Dr. Marshall, Austin, Tex.: 16 paratypes of ephydrid flies from North America (205407).

Wherry, Dr. Edgar T., Philadelphia, Pa.: 1 fern from Virginia (205432).

Whetzel, Carl S., Washington, D. C.: 2 specimens of ore from Chungchong Namdo, Korea (206565).

White, Marcus W., Worcester, Mass.: 17 philatelic specimens (204375).

White Motor Company, Arlington, Va.: (Through H. G. Collin) 2 model "White 3000" kits of truck used for mail transportation (205274).

Whitford, Hope, Washington, D. C.: Green moire taffeta dress worn by the wife of Gov. N. G. Ordway at the White House during the Administration of President Abraham Lincoln (205722).

Whitmore, Maj. David A., Alexandria, Va.: Pair of Korean leather shoes (203586); 9 items of Korean costume and a collection of Korean coins and paper currency (206515).

Whittington, Dr. Harry B., Cambridge, Mass.: 9 Mississippian brachiopods from Belgium, and 61 Permian brachiopods from Glass Mountains (204466, exchange).

Wigley, Roland L. (See Interior, U. S. Department of, *Fish and Wildlife Service*)

Wilcox, Leroy, Speonk, N. Y.: 200 marine mollusks from Varadero Beach, Cuba (203926).

Wilcox, Mrs. Marie Bullock, Washington, D. C.: 2 boy's dresses, ca. 1850; 16 miscellaneous costume accessories of 19th century; foot warmer and wall mirror (202768).

Wildenauer, Herr Direktor. (See Bayerisches Feldspatwerk)

Wilder, May, Washington, D. C.: 28 ethnographical specimens of Afghan material culture, collected by donor in 1954 in Afghanistan (206463).

Wilkinson, Mrs. Howard S. (deceased): (Through Madeleine Wilkinson) 36 specimens of Americana (202517).

Wilkinson, Madeleine, Washington, D. C.: 65 pieces of costumes and accessories, late 19th and early 20th centuries, 4 pieces French brocade, records of White House Thanksgiving Day Service, Nov. 26, 1942, and 1 linen handkerchief with floral printed border (204821). (See also Wilkinson, Mrs. Howard)

William and Mary, College of, Williamsburg, Va.: 24 plants collected in Virginia by Dr. J. T. Baldwin, Jr. (204558, exchange).

Williams, Dr. Austin B., Morehead City, N. C.: 25 shrimps, including types (202995).

Williams, Col. F. M., Miami, Fla.: Portrait of donor by Joseph Cummings Chase (204902).

Williams, J. C., Brooklyn, N. Y.: 1 celt from Amazon Drainage, Brazil, collected by donor in 1910 (204719).

Williams, Dr. J. Stewart, Logan, Utah: Lower jaw of fossil mammal collected by Bob Adamson from Norwood tuff on the north side of Norwood Canyon, Morgan County, Utah (203708); 7 fossil fishes collected by donor from Lower Triassic Woodside formation at mouth of Paris Canyon, Bear Lake County, Idaho (204331).

Williams, Dr. Ralph B., Juneau, Alaska: 1 nematomorph worm from Alaska (198737)

Williams, Dr. Roger W., New York, N. Y.: 39 biting midges from Michigan, including types of new species (206068).

Wills, Margaret L., Washington, D. C.: 1 pistol, and 1 Belgian revolver (204266).

Wilson, E. O. (See Harvard College)

Wilson, Kenneth A., Ann Arbor, Mich.: 1 fern from Jamaica (205253).

Wilson, Mrs. Mildred S., Anchorage, Alaska: 2 type specimens of copepods from Louisiana (203927); 2 fresh-water copepods, from Benton County, Oreg. (204166).

Wilson, William M., Philadelphia, Pa.: 2 first-day covers issued at Philadelphia (205606).

Winokur, Dr. William and Winokur, Seymour, Detroit, Mich.: 2 books, "Postage Stamps of Japan" by Woodward, and "Stamps of México, 1856–1868" by Chapman (204482).

Winokur, Seymour. (See Winokur, Dr. William)

Winslow, Mrs. Francis, Chevy Chase, Md.: 1 parian figurine and 1 gilt and mahogany pedestal, mid-19th century (205246).

Winslow, Harriet, Washington, D. C.: 1 pair of 19th-century brass andirons (206490).

Wisconsin, University of, Madison, Wis.: 19 plants (201456).

Witt, William Lee, Arlington, Va.: 11 fresh-water mollusks from Florida and Georgia (203716).

Women's International Stamp Club, Brooklyn, N. Y.: (Through Agnes Burlingame) 1 cacheted envelope "Women's International Stamp Club Honors A. Lincoln on its 20th Anniversary," postmarked Lincoln City, Ind., Feb. 12, 1955, franked with 4-cent Lincoln 1954 issue (205568).

Wong, J. N. (See International Ryukyu Stamp and Coin Society)

Wood, Prof. Alan, Aberystwyth, Wales: 5 Lower Eocene Foraminifera from Pakistan (203060); 2 thin sections of a Silurian foraminifer from Great Britain (203191, exchange).

Wood, Dr. Stephen L., Ottawa, Canada: 16 beetles from United States, including types (200887).

Woodcock, H. E., Chicago, Ill.: 205 miscellaneous moths from South America (203082).

Woodruff, Dr. John G., Hamilton, N. Y.: 1 starfish from Devonian, Hamilton formation, Lebanon, N. Y. (203609, exchange).

Woodruff, Pauline B. (deceased): (Through Col. Theodore Barnes, Jr.) 1 Chinese lacquer screen (204663).

Woods, Loren P. (See Chicago Natural History Museum)

Wrather, Dr. W. E., Washington, D. C.: 1 lot bryozoans from Alaska (206014).

Wright, Robert. (See Commerce, U. S. Department of, *Weather Bureau*)

Wright, Dr. W. H. (See Health, Education and Welfare, U. S. Department of, *National Institutes of Health*)

Wyoming, University of, Laramie, Wyo.: 1 grass from Wyoming (203544); (through Dr. Ralph F. Honess) approximately 3,056 fresh-water and land mollusks, 315 marine invertebrates, and 20 insects from Wyoming (202011, 203250); (through Dr. Alan B. Shaw) 133 Permian fossils from Phosphoria formation of Wyoming (204803, exchange).

Yale University, New Haven, Conn.: 1 grass from Perú (203369); (through Neal E. Miller) calculator, Dr. Clark Hull's coordination machine (205424).

Yasumatsu, Dr. Keizo, Fukuoka, Japan: 3 paratypes of wasps from Japan (205998).

Yates, Mrs. Lucile W., McLean, Va.: 1 Kentucky warbler (205976).

Yedlin, Neal, New Haven, Conn.: 4 specimens of bertrandite from Collins Hills, Conn. (205556).

Yilek, Joan, Addis Ababa, Ethiopia: 34 ethnographical specimens collected by donor at Pokwo, Ethiopia, consisting of skin costumes and baby carriers, objects of personal adornment, amulets, pottery, basketry, decorated gourd utensils, and a woman's fighting bracelet (206520).

Yogore, Dr. Mariana G., Jr., Baltimore, Md.: 3 crabs collected in Sorsogon Province, southernmost tip of Luzon Island, Philippines (204449).

Youngquist, Dr. Walter L. (See Humphrey, Dr. Fred L.)

Yugoslavia, Government of, Belgrade: (Through Mirko Radalj) 19 philatelic specimens from Yugoslavia (204476); (through V. Ognjenovic) 6 philatelic items from Yugoslavia (206535).

Zayas, Ing. de F. (See Estación Experimental Agronómica)

Zears, Charlotte E. (deceased): (Through The Riggs National Bank) Decorated gourd from Siam (201855, bequest).

Zeiss, Arnold, Munich, Germany: 13 foraminiferal samples from the Jurassic of Bavaria (206507).

Zenith Radio Corporation, Chicago, Ill.: 5 hearing aids (205418).

Zetek, James. (See Benson Grubstakers, and Panamá Canal Natural History Society)

Ziesenhenne, Fred C. (See Southern California, University of)

Zimmerman, E. A., Washington, D. C.: Marine engine, Gray Engine Co., ca. 1901 (203118).

Zimmermann, Dr. W. J. (See Iowa State College)

Zumpt, Dr. F., Johannesburg, South Africa: 3 flies from Africa and 1 from Europe (205994). (See also South African Institute for Medical Research)

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