

paying money in one of the largest government organizations.

Grade 16—Salary range, \$4,500 to \$5,700. The number of classes of employment, five, ranging from general supervision over design and installation of accounting systems to administrative control of the clerical force and responsibility for the general business operations of one of the largest departments.

Grade 17—Salary range, \$5,700 to \$7,500. Two classes, chief law officer of a department, commission or other independent government establishment, and having responsible charge of a major subdivision of a technical, scientific or professional organization.

Grade 18—Salary range, all above \$7,500. Employments include all technical, scientific, professional and executive employments whose characteristics and requirements are superior to those in the lower grades. No salary in excess of \$7,500 may be paid to any persons unless specifically authorized by Congress.

THE MUSEUMS AND COLLECTIONS OF YALE UNIVERSITY

THE Yale Corporation has approved the plan of the University Council for a permanent Committee on University Museums to include all officers in charge of museum collections and for the appointment of a corporation committee to meet this Committee on University Museums to consider "the relation of the museums and of their buildings to each other, the organization of the collections within the respective divisions and the functions of the Museums Committee."

A survey recently made shows that the various collections of the university, in addition to those of the School of the Fine Arts and the Library, are more extensive than is generally realized. The following list, the arrangement of which is tentative, shows the various collections and the names of their curators:

I. Natural History:

- Mineralogy—Dana, Ford.
- Geology and Invertebrate Paleontology—Schuchert, Dunbar.
- Vertebrate Paleontology and Osteology—Lull.
- Botany—Evans.

Forestry—Record.

Zoology—Coe.

II. Anthropological:

- General Anthropology—McCurdy.
- Peruvian Expedition Collection—Bingham.
- Musical Instruments—D. S. Smith.
- Military—Hoyle.

III. Oriental and Classical:

- Syro-Arabian—Torrey.
- Babylonian—Clay.
- Egyptian—Clay (acting).
- Ægean—Baur.
- Indian—Archer.
- East and Central Asiatic—Williams.
- Japanese—Asakawa.
- Numismatic—Newell.

IV. Fine Arts—Kendall.

V. Library—Keogh.

THE HECKSCHER FUND GRANTS OF CORNELL UNIVERSITY

THE Heckscher Research Council has recently announced its first series of grants, as follows:

To Professor Joseph Q. Adams, Jr., Ph.D., '06, a sum sufficient to secure a substitute for him for the first half of 1921-22 in order that he may be released from teaching and enabled to complete his "Life of William Shakespeare," on which he has been for some time engaged.

To Professor Charles C. Bidwell, Ph.D., '14, \$2,500 to enable him to carry on cryogenic measurements, the money to be used to provide a substitute for carrying on his work during the first half of 1921-22 and to cover such additional expenses as the investigation may involve.

To Professor J. Chester Bradley, '06, a sum not exceeding \$700 to cover the cost of preparing illustrations and otherwise completing a work embodying the results of investigations of the wing venation of Hymenoptera.

To Professor Arthur W. Browne, Ph.D., '03, \$1,800 to enable him to engage a competent assistant for two semesters for investigations of certain problems in the field of the oxidation of hydrazine, especially in non-aqueous solutions.

To Professor Louis M. Dennis, \$350 for the purpose of engaging an assistant from March 1 to July 1 to carry on investigations on the separation of the isotopes of lead by chemical processes. Also \$2,000 for the purpose of engaging a well trained assistant for one year, to devote all his

time to the investigation of the preparation and properties of germanium and its compounds.

To Professor Frank L. Fairbanks, '10, \$500 for the purpose of developing and completing a traction dynamometer.

To Professor Simon H. Gage, '77, and Pierre A. Fish, '90, \$250 for colored plates needed in completing a work on the digestion and assimilation of fat in the human and the animal body.

To Professor Vladimir Karapetoff \$200 or such part as is needed for an assistant and materials in carrying on investigations on mechanical aids in the design of electrical machinery and lines.

To Professors William R. Orndorff and Roswell C. Gibbs, '06, \$2,525 to pay for the services of an assistant on half time during 1921-22 and on full time during the summer and for apparatus to be used by him in connection with the investigation of the absorption spectra of certain organic compounds.

To Professor Floyd K. Richtmyer, '04, a sum not to exceed \$1,800 for an assistant for one year to devote all his time to investigations of the laws of the absorption of x-rays, and \$1,000 for the purchase of apparatus.

To Professor Ernest W. Schoder, Ph.D., '03, a sum sufficient to provide a substitute for him during the first half of 1921-22 in order that he may prepare for publication the results of investigations in hydraulics made by himself and the late Professor Kenneth B. Turner, '03.

To Professor Sutherland Simpson \$100 to enable him to continue his investigations into the functions of the thyroid and parathyroid glands.

To Professor Albert H. Wright, '04, \$500 for investigations of the life history of North American frogs, toads and tree toads.

To Professor Virgil Snyder, '90-92 Grad., a sum not exceeding \$1,200 to provide a substitute for him during the second half of 1921-22 and thus enable him to continue during that time his studies of algebraic correspondences.

To Professor Wallace Notestein \$1,800 for an assistant during the summer and the year 1921-22 to help in his work of editing various historical documents in connection with the study of the Parliamentary history of England.

To Harry S. Vandiver \$500 to support, during the summer, investigations on the subject of algebraic numbers.

These grants amount to about \$20,725.

The council has postponed the consideration of all requests for grants in aid of publication

until it is possible to consider in detail the whole subject of the publication of results of research and its relation to the purposes of the Heckscher Foundation.

SCIENTIFIC NOTES AND NEWS

THE American Philosophical Society has elected members as follows: Herman V. Ames, Philadelphia; George David Birkhoff, Cambridge; John J. Carty, Short Hills, N. J.; Frank M. Chapman, New York; Henry Crew, Evanston, Ill.; Benjamin M. Duggar, St. Louis; John Marshall Gest, Philadelphia; Charles Homer Haskins, Cambridge; Lawrence J. Henderson, Cambridge; J. Bertram Lippincott, Philadelphia; Hideyo Noguchi, New York; Thomas B. Osborne, New Haven; Charles J. Rhodes, Philadelphia; Vesto M. Slipper, Flagstaff, Ariz.; David White, Washington.

PRINCE ALBERT of Monaco gave the evening address at the annual meeting of the National Academy of Sciences on April 23, and the address was followed by a reception in the U. S. National Museum. At the dinner of the academy on the following evening Prince Albert was presented with the Alexander Agassiz gold medal, awarded in recognition of his promotion of oceanographical research.

DR. ALBERT EINSTEIN, to whom Columbia University last year awarded the Barnard medal on the recommendation of the National Academy of Sciences, was present at the meeting of the academy, and responded to an address of welcome from President Walcott just before the adjournment of the Tuesday morning session. Dr. Einstein also spoke at the academy dinner.

REAR ADMIRAL WILLIAM C. BRAISTED, U. S. N., retired, former surgeon general of the Navy, has been elected president of the Philadelphia College of Pharmacy. He is this year president of the American Medical Association.

DR. WILLIAM S. THAYER, professor of medicine at the Johns Hopkins University and