

seventh Peary Arctic Expedition in 1897. Hall's collection was only a handful, consisting of twenty-seven species in all, but he was the first to make known the occurrence of fossils on the southeast side of Baffin Land. His collection is now in the museum of Amherst College. The collection made by the five members of the Peary Expedition was better and larger than Hall's and numbered seventy-two species. Part of this collection is now in the U. S. National Museum and part in the American Museum of Natural History. Dr. Schuchert, of Yale University, described and figured this collection in his publication "On the Trenton Fauna of Baffin Land." The collection made by Mr. Roy contains many species not listed by Schuchert and is believed to be the best and most complete assemblage of Arctic Trenton fossils that has yet been made. From the observations and collections it is concluded that both sides of Hudson Strait, Frobisher Bay, Cumberland Sound and the interior of Baffin Land as far north as Ellesmere Land have but one fauna, namely, the Middle Ordovician fauna of Trenton and Utica stage.

GEOLOGY AT THE NASHVILLE MEETING OF THE AMERICAN ASSOCIATION

SECTION E of the American Association for the Advancement of Science (geology and geography) will hold its sessions at Nashville on Tuesday and Wednesday, December 27 and 28, in the geological lecture room at Vanderbilt University. The general headquarters for the section will be the Andrew Jackson Hotel, Deadrick Street and 6th Avenue. The stated price of single rooms at this hotel is \$2.50 to \$5.00.

Tuesday will be devoted to a symposium on the Mesozoic-Cenozoic stratigraphy of the Gulf States. At the morning session from 9:15 to 12:30 the mappable formations will be discussed by state geologists: Florida, by Herman Gunter, of Tallahassee; Georgia, by S. W. McCallie, of Atlanta; Alabama, by W. B. Jones, of Tuscaloosa; Mississippi, by E. N. Lowe, of Jackson; Louisiana, by W. C. Spooner, of Shreveport, and Texas and southeastern Oklahoma, by E. H. Sellards, of Austin. Vice-president Charles Schuchert will present "The Paleogeography of North America during the Triassic and Jurassic." At the afternoon session, 2:00 to 5:30, correlations will be given by paleontologists: L. W. Stephenson, "The Major Marine Transgressions, Regressions and Structural Features"; T. W. Stanton, "The Lower Cretaceous or Comanchean Formations"; L. W. Stephenson, "The Upper Cretaceous or Gulf Series"; C. Wythe Cook, "The Cenozoic Series East of the Mississippi River"; Julia A. Gardner, "The Cenozoic Series West of the Mississippi River on the Basis of

the Larger Fossils"; F. B. and H. J. Plummer, "The Midway Correlations on the Basis of the Foraminifera"; E. W. Berry, "Correlations on the Basis of Fossil Plants"; O. P. Hay, "Correlations on the Basis of Fossil Vertebrates." A smoker for Tuesday evening is tentatively planned.

On Wednesday one or two sessions will be held for the reading of general papers. Titles accompanied by abstracts of not more than 250 words should reach the secretary not later than November 29. On Wednesday also the section will join with the Association of American Geographers in a symposium on "Problems of the Mississippi River." On Wednesday evening Section E will combine with the Association of American Geographers in a joint dinner, at which the addresses of the retiring president, M. R. Campbell (A. A. G.) and the retiring vice-president, G. H. Ashley (Section E), will be read.

The railroads are offering reduced rates on the certificate plan and all who attend are urged to secure certificates when purchasing tickets.

G. R. MANSFIELD,
Secretary, Section E

U. S. GEOLOGICAL SURVEY,
WASHINGTON, D. C.

SCIENTIFIC NOTES AND NEWS

THE Nobel prize in physics for 1927 has been divided and awarded by the Swedish Academy of Sciences to Dr. Arthur H. Compton, professor of physics at the University of Chicago, and to Dr. Charles T. R. Wilson, Jacksonian professor of natural philosophy at the University of Cambridge.

THE Royal Society has awarded the Hughes medal to Dr. W. D. Coolidge, assistant director of the research laboratories of the General Electric Company; the Davy medal to Dr. Arthur A. Noyes, director of the Gates Chemical Laboratory at the California Institute of Technology, and a Royal medal to Professor J. C. McLennan, director of the physical laboratory at the University of Toronto.

ON the occasion of the celebration of the semi-centennial of the University of Colorado, twenty-three honorary degrees were conferred, including the doctorate of laws on Dr. Robert A. Millikan, director of the Norman Bridge Laboratories of the California Institute of Technology; on Dr. Roscoe Pound, dean of the law school of Harvard University, and on Dr. Melville F. Coolbaugh, president of the Colorado School of Mines, and the doctorate of science on Dr. S. C. Lind, director of the school of chemistry of the University of Minnesota, on Dr. Henry Sewall, professor of physiology in the University of Denver, and

on Dr. Milo S. Ketchum, dean of the college of engineering of the University of Illinois.

THE medal of the Explorers' Club of New York has been presented to Dr. Fridtjof Nansen, Polar explorer, by Laurits S. Swenson, American minister to Norway, in behalf of the National Geographic Society of America. The presentation was at a dinner at the American Legation in recognition of Nansen's Arctic achievements.

DR. KNUD RASMUSSEN, the Danish Arctic explorer, had conferred upon him the doctorate of laws by the University of St. Andrews on October 7.

PRESENTATION of the cross of the Legion of Honor, awarded to Dr. Isaac Abt, professor of pediatrics at Northwestern University, by the French government, was made at a special convocation at the medical school on November 4.

DR. FRED H. ALBEE was decorated with the order of Commander of the Crown of Roumania at Bucharest on October 27, for his "contributions to the advancement of bone surgery." Dr. Albee delivered a course of lectures in Bucharest on orthopedic surgery.

H. W. HARDINGE, president of the Hardinge Company, of York, Pa., has been awarded the Edward Longstreth medal by the Franklin Institute for his invention of a rotary air classifier.

THE council of the Institution of Civil Engineers has made the following awards: The Howard quinquennial prize to Professor W. E. Dalby, in recognition of his researches on the strength and structure of iron and steel; the Indian premium to A. W. Stonebridge. For selected engineering papers published during session 1926-27: A Telford gold medal to Sir E. Owen Williams (London), Telford premiums to Dr. E. H. Salmon (London), R. S. Cole (India), Dr. H. Mawson (Liverpool) and A. H. Douglas (London), and a Crampton prize to D. M'Lellan (Glasgow).

M. A. LACROIX, professor of mineralogy at the University of Paris, has been made a foreign member of the Stockholm Academy of Sciences.

At the annual meeting of the American College of Surgeons, Detroit, on October 7, Dr. Franklin H. Martin, Chicago, was elected president-elect, and Drs. John Chalmers DaCosta, Philadelphia, and Herbert P. H. Galloway, Winnipeg, vice-presidents.

DR. LEWELLYS F. BARKER, professor emeritus of medicine of the Johns Hopkins University School of Medicine, was installed as president of the Interstate Postgraduate Medical Association of North America at the recent annual convention in Kansas City.

PROFESSOR D. D. JACKSON, head of the department of chemical engineering at Columbia University, has accepted the chairmanship of the coordinating committee, which is in charge of the coming visit of English chemists and chemical engineers, members and guests of the Society of Chemical Industry.

At the recent meeting of the American Röntgen Ray Society in Montreal, Dr. Edward H. Skinner, Kansas City, Mo., was elected *president*; Drs. Ralph D. Leonard, Boston, and Lawrence Reynolds, Detroit, *vice-presidents*; Dr. John T. Murphy, 421 Michigan Street, Toledo, Ohio, *secretary*, and Dr. William A. Evans, Detroit, *treasurer*.

B. F. DANA, assistant professor of plant pathology and assistant plant pathologist in the Experiment Station at the State College of Washington, has accepted a position as plant pathologist in the Texas Experiment Station and is placed in charge of cotton root rot work on substation No. 5 at Temple, Texas.

J. F. BREWSTER has resigned from the position of research chemist of the Louisiana Sugar Experiment Station, Baton Rouge, La., and has joined the staff of the sugar section, U. S. Bureau of Standards.

DR. RUSSELL B. TEWKSBURY has resigned as head of the vital statistics bureau of the Pennsylvania state department of health and has been succeeded by Dr. George B. L. Arner, formerly statistician in the U. S. Department of Agriculture.

DR. DAMASO DE RIVAS, professor of parasitology, University of Pennsylvania School of Medicine, Philadelphia, goes to the new Pan-American Hospital, New York, as director of pathology. The Pan-American Hospital was dedicated on October 16; the outpatient department opened on October 28.

THE following appointments made to the staff of the London School of Hygiene and Tropical Medicine took effect on October 1: Reginald Lovell, to be research assistant in comparative pathology; Mrs. M. M. Smith, to be demonstrator in bacteriology; Miss H. M. Woods, to be assistant lecturer in the division of epidemiology and vital statistics. W. Rees Wright has been appointed to a temporary research post, to continue Dr. P. A. Buxton's investigations on the biology of stegomyia.

GEORGE C. HAAS, agricultural commissioner in Austria and Germany for the U. S. Bureau of Agricultural Economics, will not resume his Berlin post. At his request an assignment has been given him in the division of statistical and historical research, where he will devote the major part of his time to the extension, development and correlation of the foreign work of the bureau. L. V. Steere, assistant economist, will act in

charge of the Berlin office until Mr. Haas's successor is appointed.

THE malaria survey to be conducted during the coming year through the cooperation of the Jamaican government and the Rockefeller Foundation will be directed by Dr. Mark F. Boyd, director of the Rockefeller Foundation station for field studies in malaria at Edenton, N. C.

DR. D. J. MUSHKETOV, director of the Geological Survey, U. S. S. R., is visiting the United States to gather data on organization, administration, methods of work, publication, costs, etc., in connection with geologic work.

PROFESSOR LEON W. COLLET, professor of geology and formerly dean of the faculty of science at the University of Geneva, Switzerland, will fill Professor R. A. Daly's chair at Harvard University during the first half year and during this month will deliver a course of lectures at Princeton University.

DR. A. C. G. MITCHELL, of the California Institute of Technology, is spending the year in Göttingen in experimental research on atomic structure in the laboratory of Professor James Franck.

DR. TAGE U. H. ELLINGER has returned from Europe where he has been organizing the international corn-borer investigations, instituted under the auspices of the International Livestock Exposition, Chicago. Corn-borer research is under way at ten institutions in the following countries: France, Germany, Hungary, Yugoslavia, Roumania, Sweden and Denmark. During his visit abroad, Dr. Ellinger received from the King of Denmark the appointment and decoration as a Knight of Dannebrog.

DR. HUGH S. CUMMING, surgeon-general of the U. S. Public Health Service, returned to Washington on November 8, after attending the eighth Pan-American Sanitary Conference in Lima, Peru. Dr. Cumming was reelected to his third term of three years as director. Dr. B. J. Lloyd, formerly assistant surgeon-general, will assist him, as heretofore, in the administration of his duties. Dr. Mario G. Libredo, of Cuba, was elected vice-director. At the Peru conference, Dr. Cumming was elected a foreign member of the National Academy of Sciences of Peru.

DR. WILLIAM H. TALIAFERRO, professor of parasitology, Drs. Lucy Graves Taliaferro and Frances A. Coventry, research associates in the department of hygiene and bacteriology of the University of Chicago, have returned from months of research work in Central America. Through the courtesy of the United Fruit Company they spent most of their time working on the serology and immunology of malaria

and various intestinal worms at the hospital of the Tela Railroad Company in Tela, Honduras. Dr. Taliaferro has been invited to the school of tropical medicine of the University of Porto Rico to serve as visiting professor of parasitology during the winter quarter of 1928.

PROFESSOR WILLIAM H. HOBBS, of the University of Michigan Greenland Expedition, which left New York last June, returned to the United States on November 8. The expedition has established headquarters at Kangerlugouak Fjord, Greenland, to study weather conditions. Professor Hobbs left five of his associates at Kangerlugouak Fjord to remain until next spring continuing the observations.

DR. W. J. SPILLMAN, economist, division of farm management and costs, U. S. Bureau of Agricultural Economics, has returned to his work in the division after an absence of eight months, during which he studied the agricultural problems of the Indians of the United States.

DR. E. SEIDL, of Berlin, mining engineer and geologist, known for his studies of the salt domes and potash mines of central Germany, is visiting the United States.

DR. LOUIS SHOTRIDGE, Chilkat Indian and assistant in the American section of the University of Pennsylvania Museum, has returned to Philadelphia after five years of ethnological research work in Alaska.

DR. L. LAPIEQUE, professor of physiology in the University of Paris, has been invited to give a series of lectures at the French-Brazilian Interchange Institute, Rio de Janeiro.

DR. WHEELER P. DAVEY, professor of chemistry at Pennsylvania State College, lectured before the Franklin Institute, Philadelphia, on November 10, on "Modern Research on the Structure of Metals."

PROFESSOR A. H. REGINALD BULLER, of the University of Manitoba, is giving a series of six lectures during the week of November 14, on the Norman Wait Harris Foundation of Northwestern University on "Recent Advances in our Knowledge of the Fungi, or the Romance of Fungi Life."

PROFESSOR JAMES E. ACKERT, professor of zoology and parasitologist at the Kansas State Agricultural College, addressed the New Jersey State Poultry Association at Atlantic City on October 13 and the Delaware State Poultry Association at Dover on October 20 on "The Biology and Control of Intestinal Worms of Chickens."

DR. WILLIAM E. GYE, pathologist of the Medical Research Council, London, gave an address on "The

Cancer Problem" on November 8 before the Harvard Medical Society.

DR. GEORGE R. MINOT, of the Harvard Medical School, delivered the eighteenth Mary Scott Newbold lecture at the College of Physicians, Philadelphia, November 2, on "The Treatment of Pernicious Anemia."

DR. C. MACFIE CAMPBELL, professor of psychiatry in the Harvard Medical School, will deliver the eighth Pasteur lecture before the Institute of Medicine of Chicago at the City Club on November 18 on "Some Problems of the Functional Psychoses."

THE Huxley lecture at the University of Birmingham is to be delivered on December 1 by Professor A. S. Eddington, Plumian professor of astronomy and experimental philosophy in the University of Cambridge.

PROFESSOR MILTON WHITNEY, chief of the Bureau of Soils, U. S. Department of Agriculture, died on November 11, aged sixty-seven years.

DR. GLENN D. KAMMER, assistant director of the radium research laboratory, Standard Chemical Company, died on November 7, aged thirty-nine years.

DR. G. H. BENJAMIN, industrial engineer of New York, died on November 10, in his seventy-fifth year.

DR. CHARLES E. SIMON, resident lecturer on filterable viruses at the Johns Hopkins School of Hygiene and Public Health, has died at the age of sixty-one years.

JAMES H. DORSETT, formerly collaborating agricultural explorer in the U. S. Bureau of Plant Industry and more recently associated with the National Geographic Society, died in Washington, D. C., on October 8, aged twenty-seven years.

SIR WILLIAM GALLOWAY, mining engineer, known for his pioneer researches into the action of coal dust in mine explosions, died on November 10.

THERE will be an open federal competitive examination for associate chemist at a salary of \$3,000 and for a biochemist at a salary of \$3,600. Applications must be on file with the Civil Service Commission at Washington, D. C., not later than December 6.

THE twenty-ninth annual meeting (the 148th regular meeting) of the American Physical Society will be held in Nashville from December 28 to 30, in affiliation with section B—physics—of the American Association for the Advancement of Science. At the session in charge of section B, on Wednesday afternoon, December 28, Professor William Duane, the retiring vice-president and chairman of section B, will give the annual address on "The General Radiation." This will be followed by an address by Dr. C. J. Davisson, of the Bell Telephone Laboratories,

who will speak on "Diffraction of Electrons by a Crystal of Nickel," a subject of great significance for the new quantum mechanics. This address will be followed by a discussion. On the same afternoon at the general session of the American Association, Dr. E. W. Brown will deliver the Willard Gibbs lecture on "Resonance in the Solar System." On Thursday afternoon, December 29, Professor Karl T. Compton will deliver his presidential address on "Recent Studies of the Electrical Discharges in Gases." Accommodations for members of the Physical Society and of section B have been reserved in the Ward-Belmont School dormitories. Applications for reservations should be sent to Professor C. R. Fountain, care of Ward-Belmont School, Nashville, Tennessee, and should be mailed not later than December 15.

THE twelfth annual meeting of the Optical Society of America was held at Union College, Schenectady, N. Y., on October 20, 21 and 22. Features of the meeting were an address of welcome by President C. E. Richmond, of Union College; a complimentary dinner at the General Electric Company and an inspection tour of research laboratory and plant; an exhibit of optical apparatus by a number of dealers in optical equipment; a banquet at the Hotel Van Curler. Of special interest were the invited papers, "On Cerebral Function in Vision," by Dr. K. S. Lashley; on "Optics, the Key of Astronomy," by Dr. C. G. Abbot, and the presidential address by the retiring president, Dr. W. E. Forsythe, on "Temperature Radiation." At the banquet an interesting demonstration was given by Dr. John B. Taylor of the transmission of music over a beam of light. Eighteen scientific papers and reports were read. The following officers were elected for a term of two years, beginning January 1, 1928: *President*, I. G. Priest; *vice-president*, L. A. Jones; *members of the executive council*, L. R. Ingersoll, P. E. Klopsteg, W. F. Meggers, A. H. Pfund.

In addition to the fifteen papers to be presented at the organic symposium of the American Chemical Society at Columbus, Ohio, from December 29 to 31, there will be colloquia on the following subjects. Suggestions regarding them should be sent to the chairmen in charge. "Abstracting Organic Articles," E. J. Crane, *chairman*, Ohio State University, Columbus, Ohio; "Electronic Conceptions in Organic Chemistry," H. S. Fry, *chairman*, University of Cincinnati, Cincinnati, Ohio; "An Organic Experience Meeting," L. F. Fieser, *chairman*, Bryn Mawr College, Bryn Mawr, Pennsylvania; "Nomenclature of Organic Chemistry," A. M. Patterson, *chairman*, Xenia, Ohio; "Teaching Organic Chemistry," F. B.

Dains, *chairman*, University of Kansas, Lawrence, Kansas.

ON Saturday evening, November 19, the New York Microscopical Society will hold its fiftieth anniversary at the American Museum of Natural History. The exhibition will consist of mounted objects under instruments, microscopes—ancient and modern, apparatus, accessories, books and other material of interest to the microscopist.

THE regular fall meeting of the New York section of the American Electrochemical Society will be held at Keen's Chop House, New York City, on November 18, at 6:30 p. m. Mr. G. A. Anderegg, of the Bell Telephone Laboratories, will speak on "Submarine Cable Engineering."

THE North American Committee on Fishery Investigations held its autumn meeting on October 19 at the University of Toronto. The United States was represented by Dr. H. B. Bigelow, of Harvard University, and Elmer Higgins and O. E. Sette, of the U. S. Bureau of Fisheries. The haddock fishery was given particular attention. Study of the total catch made on this side of the Atlantic reveals that there has been, on the whole, little change since as far back as the eighties of the last century, though a slow increase since 1900 is evident.

ON the occasion of the International Conference on Rabies, recently held in Paris, an International Society for Microbiology was founded, with Professor Jules Bordet, of Brussels, as president, and Professor Rudolf Kraus, of Vienna; Drs. Dujarric de la Rivière and Plötz, of Paris, as secretaries.

IN the presence of leaders of European chemistry, M. Herriot, minister of public instruction, laid on October 26 the corner-stone of the International House of Chemistry, to be erected in Paris at a cost of 15,000,000 francs as a memorial to Marcelin Berthelot. Jean Gerard, secretary-general of the French Society of Industrial Chemistry and head of the French committee in charge of raising funds, has succeeded in obtaining subscriptions from forty nations for the aggregate sum of 15,538,000 francs, 8,700,000 of which has been given by France. The United States was the fifth largest contributor on the list with 583,400 francs.

THE will of the late William John Curtis, of New York City, provides \$10,000 to the New York Otological Society for its research fund and \$10,000 to the Johns Hopkins University Medical School. Bowdoin College will eventually inherit \$55,000 from two trust funds established for the testator's sister.

THROUGH the generosity of his surviving colleagues, the photographic collection of the late Erwin F. Smith, of the U. S. Department of Agriculture, has

come into the possession of Science Service. The collection consists of more than 200 portrait negatives, largely of plant pathologists, but including a considerable number of portraits of historic value. With the negatives were also a large number of photographic prints, partly from the plates and partly from other sources. The work of cataloging negatives and prints is now going forward. All of the original photographs, together with a complete set of prints from negatives, will be deposited with the library of the Department of Agriculture after they have been properly arranged and labeled. The negatives will be retained by Science Service, and a special catalogue will be issued to enable interested persons to obtain such prints as they may desire.

UNIVERSITY AND EDUCATIONAL NOTES

A GIFT of \$25,000 has been made to Harvard University by Mr. George R. Agassiz to endow a research fellowship for advanced students at the Harvard College Observatory.

THE Sloane physics laboratory at Yale University has purchased important additional equipment as a result of a gift of \$26,000 made during the past year by Henry T. Sloane, of New York City.

THE Rockefeller Foundation has given \$1,640,000 to the department of medicine of the University of Lyons, which is being removed to the suburb of Monplaisir, close to Grange Blanche Hospital. Of the remaining 15,000,000 francs required, Premier Poincaré and Minister of Instruction Edouard Herriot have promised to supply 12,000,000 francs in three instalments from government appropriations, the university will supply 1,500,000 francs and prominent citizens of Lyons will be asked to donate the remainder.

DR. WILLIAM H. COLE, professor of biology at Clark University, has been appointed professor of physiology and biochemistry at Rutgers University, where he will begin his work on February 1. His associate, Dr. Allison, will offer the courses in biochemistry.

JOHN WOLFENDEN, a graduate at Oxford and last year a fellow of the Commonwealth Fund at Princeton University, has become acting assistant professor of chemistry at Oberlin College.

DR. JOHN BEATTIE, recently prosecutor in the Zoological Gardens, London, England, has been appointed assistant professor of anatomy at the University of Montreal.

R. HERBERT EDEE has left Northwestern University