

SCIENTIFIC NOTES AND NEWS

DR. WILLIAM H. WELCH, professor of the history of medicine at the Johns Hopkins University, has been made an honorary member of the International Neurological Congress. Other honorary members elected were: Professor M. Allen Starr, of Columbia University; Professor Ivan P. Pavlov, of the University of Leningrad; Professor J. Wagner-Jauregg, of the University of Vienna; Professor Pierre Marie and Dr. J. Babinski, of the University of Paris; Professor Gabriel Anton, of the University of Halle, and Professor Eugenio Tanzi, of the University of Florence.

DR. WITMER STONE, vice-president of the Academy of Natural Sciences of Philadelphia and curator of its department of vertebrate zoology, has been awarded the Otto Hermann medal of the Hungarian Ornithological Society—the highest honor conferred by that organization—in recognition of his “outstanding work in the science of ornithology.”

DR. STEPHEN H. LANGDON, professor of Assyriology at Oxford University, and Dr. Ludwig Diels, director of the Botanical Garden and Museum of Berlin-Dahlem, have been elected corresponding members of the Field Museum of Natural History by the board of trustees, in recognition of their eminent services to the museum.

DR. LAUGE KOCH, Danish explorer, has received the Charles P. Daly Medal for 1930 from the American Geographical Society.

PROFESSOR CARL NEUBERG, director of the Kaiser Wilhelm Institute for Biochemistry, has been awarded the Pasteur and Leblanc Medals, and the Pasteur Commemoration plaque.

DR. WILLIAM A. EVANS, radiological specialist of Detroit, has been elected president-elect of the American Roentgen Ray Society, at the thirty-second annual meeting, held at the Chalfonte-Haddon Hall Hotel on September 24. Other officers elected were: Dr. B. R. Kirklin, of Rochester, Minn., and Dr. Ross Golden, of New York, vice-presidents; Dr. E. P. Pendergrass, of Philadelphia, secretary, and Dr. Edward L. Jenkinson, of Chicago, treasurer.

At the annual meeting of the Geographical Society of Philadelphia Mr. Henry G. Bryant was elected president, a position he has repeatedly filled since 1894. Subsequently the board of directors appointed Dr. Lester E. Klimm, assistant professor of geography, University of Pennsylvania, as part-time executive secretary and acting editor of the bulletin of the society.

DR. CHARLES FRANKLIN BROOKS, professor of

meteorology and climatology at Clark University, will become, in February, A. Lawrence Rotch professor of meteorology at Harvard in succession to Professor Alexander G. McAdie, who has become Rotch professor and director, emeritus. Until February Dr. Brooks will spend half of his time in Cambridge and half in Worcester.

DR. E. D. BALL has resigned as dean of the college of agriculture and director of the agricultural experiment station of the University of Arizona, to accept the position of professor of zoology and zoologist of the experiment station, in order to be able to devote more time to research.

THOSE who are new on the faculty at the Case School of Applied Science include: Mr. Ervin W. McCullough, consulting engineer with the Republic Creosoting Company, who has been made professor of mining engineering, and Dr. P. E. Hemke, who has been made associate professor of mechanics.

New appointments at the University of Minnesota include the following as assistant professors: Mr. Ira D. Beals, in architecture; Mr. Russell E. Gibbs, in steam engineering; Mr. James J. Ryan, in machine design, and Mr. Michael A. Sadowsky, in mathematics and mechanics. Professor George H. Montillon was promoted from associate professor to professor of chemical engineering. Mr. Chester A. Hughes and Mr. Joseph A. Wise were promoted to associate professors of civil engineering.

THE following appointments to the faculty of the school of engineering of the Pennsylvania State College are announced: Dr. L. F. Pilcher, formerly vice dean of the faculty in the college of arts of the University of Pennsylvania, who has returned after an absence of one year, will take charge of architectural design; Dr. Clarence Hammond Kent, formerly head of the department of mechanical engineering at the University of Arkansas, has been appointed associate professor of mechanical engineering; Mr. P. X. Rice becomes assistant professor of electrical engineering; Mr. P. P. Henshall returns as assistant professor of industrial engineering. Instructors appointed are: Mr. Clifford B. Holt, in electrical engineering; Mr. J. O. P. Hummel, in industrial engineering; Mr. R. C. Gersen, in engineering drawing; Mr. William H. Peters, and Mr. J. S. Doolittle, in mechanical engineering.

DR. CHARLES S. ROBINSON, in charge of the chemical division of the Michigan Experimental Station, has been elected professor of biochemistry in the Vanderbilt University School of Medicine, replacing Dr. Glenn E. Cullen, who has resigned to become

director of laboratories at the Institute of Pediatric Research of the University of Cincinnati Medical School.

DR. GEORGE A. DICK has been appointed dean of the school of veterinary medicine at the University of Pennsylvania. He succeeds the late Dr. Harold E. Bemis, who died in April. Promotions announced by President Thomas S. Gates are as follows: Dr. James A. Shohat has been made assistant professor of mathematics in the college; in the school of medicine Dr. Stuart Mudd has been appointed associate professor of bacteriology. Assistant professors are: Dr. Donald M. Pillsbury, in dermatology; Dr. Roy G. Williams, in anatomy; Dr. Joseph Stokes, Jr., who also will hold the William H. Bennett memorial chair of pediatrics. Professors in the graduate school of medicine are: Dr. Ralph Pemberton, in medicine, and Dr. William D. Stroud, in cardiology. Assistant professors are: Dr. Edward W. Beach, in anesthesia, and Dr. Truman G. Schnabel, in medicine. In the Towne Scientific School, Dr. Ernest C. Wagner has been appointed professor, and in the Moore School of Electrical Engineering, Mr. Charles DeV. Fawcett has been made professor of engineering. In the school of medicine Dr. Edward A. Strecker, formerly a member of the faculty of Jefferson Medical College, has been appointed professor of psychiatry. The graduate school of medicine has added to its faculty Dr. Clarence R. O'Crowley, of Newark. Dr. Arthur B. Gabel, of Seattle, has been named assistant professor of operative dentistry in the school of dentistry.

DR. HARRY BECKETT LANG, of the staff of Willard State Hospital, Willard, N. Y., has been appointed clinical director at Marcy State Hospital, Marcy, N. Y.

THE U. S. Bureau of Fisheries announces a change in the directorship of the U. S. Fisheries Biological Station at Beaufort, N. C. Dr. S. F. Hildebrand, who has occupied that position for the past six years, has been transferred to Washington as senior ichthyologist of the bureau, where he will continue his studies of fishes with the superior facilities of the library and museum collections available in that city. The position of superintendent and director of the Beaufort station has been filled by the appointment of Dr. Herbert F. Prytherch. Laboratory facilities at the station will be made available for independent investigators in hydrobiology throughout the year, and the station will serve as headquarters for Dr. Prytherch's theoretical and practical studies on the biology of the oyster and the development of oyster culture in the South Atlantic states. As a result of examinations held by the U. S. Civil Service Commission early in the summer, the Bureau of Fisheries announces the appointment of Mr. William C. Her-

rington as aquatic biologist to take charge of a major investigation of the haddock fishery of the North Atlantic. Dr. Frederic F. Fish has been appointed associate aquatic biologist for investigations in fish pathology. Dr. Paul R. Needham, formerly of the University of Rochester, has been appointed as associate aquatic biologist for investigations in hydrobiology and aquaculture. Dr. A. S. Hazzard has been appointed to undertake extensive duties as associate aquatic biologist in charge of fish cultural and stocking policies in the national parks of the Rocky Mountain region with headquarters at Salt Lake City, Utah.

DR. ROBERT CUNNINGHAM MILLER, of the University of Washington, will return to Seattle this month after two years' leave spent as visiting professor of zoology at Lingnan University, Canton, China. During the summer he has been collecting marine wood-boring organisms along the coasts of South and East Africa, also conducting certain investigations for the University of Washington Oceanographic Laboratories while at sea.

PROFESSOR HOMER C. WILL returns to Juniata College as head of the biology department after a two year's leave of absence for graduate study in the University of Michigan and the University of Pittsburgh.

PROFESSOR MARSHALL P. CRAM, professor of chemistry at Bowdoin College, has been granted a sabbatical leave of absence for the coming year.

ON the recommendation of the secretary of state for Scotland, Dr. John Glaister, Jr., professor of forensic medicine in the University of Egypt at Cairo, has been appointed to the chair of forensic medicine in the University of Glasgow. He is the son of the present occupant of the chair.

DR. ARTHUR H. COMPTON, professor of physics at the University of Chicago, who recently returned to the university from an expedition in the Rocky Mountains, where he conducted a series of experiments on the cosmic rays, has left for Europe with Mrs. Compton. He will attend the International Physics Conference to be held at Rome from October 11 to 19, under the auspices of the Volta Foundation. At the conclusion of the conference he will go to Zurich to conduct further experiments with cosmic rays, to determine the difference in intensity in the Alps as compared with the Rocky Mountains.

DR. W. W. SWINGLE, of Princeton University, will deliver the first Harvey Society Lecture at the New York Academy of Medicine, on Thursday, October 15. His subject will be "The Hormone of the Suprarenal Cortex."

THE George Fisher Baker non-resident lecturer in chemistry at Cornell University for the present university term is Professor Cecil Henry Desch, who has held the professorship of metallurgy in the University of Sheffield up to last June, but who, on his return to England next February, will enter upon the position of superintendent of the metallurgical department at the National Physical Laboratory in Teddington. He is the twelfth holder of the non-resident lectureship founded by George Fisher Baker in 1925, which in accordance with the terms of the foundation is filled in succession by men eminent in chemistry or in some related branch of science.

DR. A. C. BAKER, senior entomologist and in charge of tropical and subtropical plant insect investigations, of the U. S. Bureau of Entomology, left on September 25 for Mexico City, where he will study the Mexican fruit fly and related species. Dr. C. L. Marlatt, chief of the bureau, in announcing Dr. Baker's transfer to Mexico City, explained that citrus plantings in the Lower Rio Grande Valley have expanded rapidly and a few adult flies have appeared in this region.

THE *British Medical Journal* reports that an international Federation of Societies of Tropical Medicine and Hygiene has been constituted, under the presidency of Professor C. Achard, by the association of leading authorities on tropical medicine from twenty countries. At the invitation of the editorial committee of the *Revue pratique des Maladies des Pays Chauds*, various societies will exchange views on different subjects in order to bring into being a legal constitution for the international federation.

Nature reports that a meeting was recently held of the subcommittee on symbols, units and nomenclature used in physics, appointed by the International Union of Physics. Sir Richard Glazebrook was appointed chairman of the committee. Professor Kennelly, as chairman of the section of the advisory committee of the international electro-technical commission dealing with electrical and magnetic magnitudes and units, wrote, directing attention to the meeting of his committee in London on September 18, and inviting members of the committee of the International Union of Physics to attend. This invitation was accepted, and the meeting of the subcommittee on symbols, units and nomenclature shortly afterwards continued the discussion commenced at Brussels.

At the close of the second International Hospital Congress, which met in Vienna from June 8 to 14, the representatives of the 41 countries participating in the congress voted unanimously to organize an International Hospital Association. The purpose of the association is to bring about an international exchange of opinion and international cooperation in

all problems and in all fields of hospital work and in all relationships, economic, sociological and hygienic. The association is composed of two classes of members—ordinary members, consisting of national hospital associations, and associate members.

THE U. S. Civil Service Commission announces that applications for the positions of associate and assistant metallurgists (optional subjects—ferrous metallurgy, non-ferrous metallurgy, physical metallurgy and ore dressing) must be on file with the commission at Washington, D. C., not later than December 30, 1931, except that the commission reserves the right to issue subsequent notice closing the receipt of applications before that date. The examinations are to fill vacancies in the departmental and field services. The entrance salaries for associate metallurgist range from \$3,200 to \$3,800 a year, and for assistant metallurgist from \$2,600 to \$3,200 a year. Competitors will not be required to report for examination at any place, but will be rated on their education, training, experience and fitness, and on a thesis, reports or published writings. Applicants must have been graduated with a bachelor's degree from an institution of recognized standing, with major work in chemistry, physics or metallurgy. Certain specified experience or postgraduate education is also required. Full information may be obtained from the secretary of the U. S. Civil Service Board of Examiners at the post office or customhouse in any city or from the U. S. Civil Service Commission, Washington, D. C.

PLANS have been filed for erecting a six-story addition to a new building occupied by the New York Academy of Medicine and opened in 1926, at the southeast corner of Fifth Avenue and 103rd Street, New York. The cost will be \$450,000. Construction will not begin until the academy has raised an additional \$95,000. The annex will be used for offices, committee rooms, for the exhibition and storage of books on historical medicine and library services. The old building of the academy, constructed in 1888, at 15 to 21 West 43rd Street, was sold in 1925, and is now being demolished.

A LABORATORY of anthropology, established to study the origin and development of the Americas, was formally opened in Santa Fe, New Mexico, on September 1. From this laboratory, which has been sponsored by John D. Rockefeller, Jr., expeditions in North, South and Central America will be directed. Regardless of their organization affiliation, scientific men may work individually or in collaboration with each other in anthropological research. The first unit is a building of pueblo architecture recently completed at a cost of \$144,000. Dr. A. V. Kidder is chairman of the board of directors.

THE Shippee-Johnson Peruvian Expedition, which sailed from New York on December 6, 1930, to carry out, with the endorsement of the American Geographical Society, a program of aerial mapping and other photographic work from the air in various parts of Peru, returned on September 7. In spite of numerous delays occasioned by the unstable conditions in Peru the expedition was able to accomplish even more than had been planned in its tentative program. In addition to the mapping, from elevations of over 25,000 feet, of the deep valley of the Colca River some seventy miles north of Arequipa—the primary object of the expedition—a land party spent two weeks in the valley studying its people, the history of the little-known agricultural communities of the valley floor, their methods of agriculture, etc. Archeologists as well as geographers will be interested to know that the expedition mapped the whole of the Chimú Valley and the ruins of Pachacamac and discovered and photographed, a short distance north of Chimbote, the remains of what appears to be a great defensive wall believed by Peruvian archeologists to be a part of the Chimú fortifications against the Inca invaders. Besides the aerial mapping, hundreds of aerial photographs were taken and a large amount of motion picture film exposed throughout the coastal region of Peru and the western border of the Andes. Several flights from Lima over the western range of the Andes to Huancayo resulted in a series of remarkable photographs of much geological and physiographic interest. A report on the work of the expedition will appear in a forthcoming number of the *Geographical Review*.

THE *Pelican*, a ninety-foot motor vessel of the U. S. Fisheries Service, loaned to the International Passamaquoddy Fisheries Commission by the United States Government, has just arrived in St. Andrews. Oceanographic equipment will be installed there and it is expected that within a few days active field work will begin. A second vessel, the *Edward E. Prince*, loaned to the commission by the Biological Board of Canada, has already been outfitted. The *Pelican* was constructed during the past year at Newport News, Virginia, for the U. S. Fisheries Service at Boothbay Harbor, Maine. The captain, George Greenleaf, has had considerable experience in oceanographic work, having formerly been associated with Dr. Fish in in-

vestigations for several years in the Gulf of Maine and for two years in Lake Erie, where a cooperative survey was carried on in 1929 and 1930. For the remainder of the summer season the two vessels will base at the Atlantic Biological Station, where headquarters for the commission have been established.

A LOAN exhibition of modern British optical instruments took place in the Science Museum, South Kensington, England, at the time of the British Association centenary meeting, and apparatus was loaned by a number of the leading manufacturers in Great Britain. The display will be on view up to the end of October in the optical instrument gallery, and popular demonstrations will take place at intervals. About 100 exhibits have been provisionally selected, including binoculars, rangefinders, photographic and microscopic objectives, projection-microscopes and surveying instruments. Aerial cameras, microphotometers, spectrographs and a cinema projector are among the developments of optical technique to be illustrated, and a strain-viewer will demonstrate the differences and flaws to be observed in various everyday objects of glass.

PRELIMINARY plans for a new entomology building to be built at a cost of \$150,000 for the University of California Experiment Station at Riverside were virtually brought to completion, following a recent conference of the director, Dr. L. D. Batchelor, members of the staff and R. A. Weaver, of the department of buildings and grounds at Berkeley. The new building will be L shaped in floor plan, 100 feet on the longest side and 70 on the other. The major part of the structure will be two stories in height with a basement and attic. There will probably be a greenhouse in the attic and rooms for testing large power spray rigs in the basement. Other facilities included in the plans are rooms for fumigation experiments, spraying investigations, taxonomical and physiological studies, etc. Several of the rooms will be equipped for carrying on experiments requiring controlled environment with constant temperature and humidity. The site selected for the new building is a short distance northeast of the main building of the experiment station, close to the recently completed insectary, the facilities of which it will supplement.

DISCUSSION

A NEW MATHEMATICAL REVIEW

FOR the first time in the history of mathematics there was inaugurated in April of the current year a monthly periodical exclusively devoted to the prompt review of mathematical publications or to the pre-

liminary announcements of results which are expected to be published later *in extenso* in the technical journals. It appears under the heading *Zentralblatt für Mathematik und ihre Grenzgebiete*, and the reviews include, besides pure mathematics, such subjects bor-