

study of the tooth replacement in Amphibia and Reptilia, particularly primitive fossil types, with special reference to the history of dental succession in the evolutionary line leading from ancestral fishes to mammals.

Dr. Henry Paul Hansen, assistant professor of botany, Oregon State College: A study of Post-Pleistocene forest succession and climate in the Pacific Northwest.

John Francis Hanson, teaching fellow in entomology, Massachusetts State College: A study of the comparative morphology of all accessible genera, species and especially type specimens of Plecoptera (stoneflies) in the United States.

Dr. Floyd Alonzo McClure, professor and curator of economic botany, Lingnan University, Canton, China (on leave): Continuation of the preparation of a revision of the Chinese genera of the Bambusaceae. (Renewal.)

William Vogt, associate director, Division of Science and Education, Office of the Coordinator of Inter-American Affairs: Preparation of a monograph on the ecology of the guano birds of Peru.

The Committee of Selection consisted of Dr. Frank Aydelotte, Dr. Wallace Notestein, Dr. Linus Pauling, Dr. Florence R. Sabin and Dr. Edwin Bidwell Wilson.

Applications for fellowships must be made in writing on or before October 15, by the candidates themselves, in the form prescribed, addressed to Henry Allen Moe, *Secretary General*, John Simon Guggenheim Memorial Foundation, 551 Fifth Avenue, New York, N. Y. Final selection of fellows for 1944-45 will be made in March, 1944. Application forms will be mailed upon request.

AWARDS OF THE SOCIAL SCIENCE RESEARCH COUNCIL

THIRTY-EIGHT awards, amounting to \$48,000, for the academic year 1943-44 have been announced by the Social Science Research Council, New York. The awards provide for study and research in the fields of economics, political science, sociology, statistics, political, social and economic history, cultural anthropology, social psychology, geography and related disciplines.

Eight of the awards, carrying a basic stipend of from \$1,800 to \$2,500 for twelve months, plus travel allowance, cover post-doctoral research training fellowships to men and women under thirty-five years of age who possess the Ph.D. degree or its equivalent. These fellowships are granted for the purpose of amplifying and sharpening the research training and equipment of promising young investigators through advanced study and field experience.

Seven appointments are pre-doctoral field fellowships which carry a basic stipend of \$1,800 for twelve months plus travel allowance. The recipients are graduate students under thirty years of age who have

completed all the requirements for the doctorate except the dissertation. The purpose of these awards is to offer the opportunity for first-hand contact and experience with the phenomena of social science in the raw, as a supplement to formal graduate study.

The remaining twenty-three awards are grants-in-aid designed to assist mature scholars in the completion of research projects already well under way. These grants average about \$580 this year, but individual grants in any year do not ordinarily exceed \$1,000. Five of the appointments were made through a special fund granted solely for the purpose of assisting and encouraging the research of social scientists in the South. The objectives and requirements for eligibility are the same as those governing the national grants-in-aid, but applications are restricted to thirteen southern states.

FOREIGN MEMBERS OF THE ROYAL SOCIETY, LONDON

Nature gives the following particulars in regard to the work of Professors Goldschmidt and Houssay, whose election to foreign membership in the Royal Society, London, was recently announced in *SCIENCE*.

Professor V. M. Goldschmidt has made outstanding contributions in each of the fields of petrology, crystal chemistry and geochemistry. His early studies in rock metamorphism marked a major advance in the correlation of the chemical and mineralogical composition of thermally reconstituted rocks and contained the first successful essay towards a systematic classification of rock-mineral assemblages in the light of the phase rule. The leader of great schools of geochemistry both at Göttingen and Oslo, Goldschmidt has for many years devoted his attention to the discovery of the principles governing the terrestrial distribution of the elements: in this program his classical researches on the crystal structure of ionic compounds were early achievements and may be regarded as laying the foundation of the science of crystal chemistry. His exhaustive series of investigations on the chemical composition of rocks and minerals has revolutionized our knowledge of the distribution of the minor constituents of the earth's crust, while his similar studies on meteorites have brought a special contribution to the problem of the chemistry of the earth's deep interior. It is in these comprehensive researches, both geochemical and crystallochemical, that Goldschmidt has contributed in such large measure to the present-day picture of the geochemical evolution of matter within the lithosphere.

Professor Bernardo Alberto Houssay, of Buenos Aires, is one of the outstanding men of science of Latin America. He has held the chair of physiology in the University of Buenos Aires since 1919, and has made his laboratory a leading center for endocrine research. His most remarkable discoveries concern the effect of the anterior pituitary body on carbohydrate metabolism; he showed that although the removal of the pancreas alone will cause

diabetes, yet if the anterior lobe of the pituitary is removed at the same time the animal has no glycosuria and stays in reasonable health. Further analysis made it clear that the anterior lobe of the pituitary secretes a hormone with an opposite effect on sugar metabolism to that of insulin, and that it is the absence of this hormone in the "Houssay animal" which accounts for the lack of glycosuria when the pancreas is removed. Many other chapters in the complex story of endocrine interactions have been worked out in Professor Houssay's laboratory and he has recently dealt with the problem of renal hypertension and the nature of the toxic substance which may be liberated by a diseased kidney. He is an honorary member of the Physiological Society and has published various papers in the *Journal of Physiology*.

MEDICAL FELLOWSHIPS OF THE NATIONAL RESEARCH COUNCIL

At the February meeting of the Medical Fellowship Board of the National Research Council, Washington, D. C., of which Dr. Francis G. Blake, Sterling professor of medicine at Yale University, is the chairman, one fellowship in the medical sciences, a renewal, was awarded. Seven appointments, including two renewals, were made to fellowships in the filterable viruses and orthopedic surgery. A list of the successful candidates and the institutions where they are to work follows:

Medical Sciences

Lester J. Talbot (renewal), New York University College of Medicine.

Filterable Viruses

Edward H. Anderson, Vanderbilt University.

H. Chandler Elliott (renewal), University of Toronto.

I. William McLean, Jr., Duke University School of Medicine.

Alison H. Price, University of Michigan (declined appointment).

Hugh Tatlock, Yale University School of Medicine and the Acute Respiratory Diseases Commission Laboratory, Fort Bragg, N. C.

Herbert A. Wenner, Yale University School of Medicine and the Johns Hopkins University.

Orthopedic Surgery

Maxwell F. Kepl (renewal), Tulane University of Louisiana.

Welch fellowships in internal medicine were awarded to the following at the meeting of the Medical Fellowship Board in April:

S. Howard Armstrong, Jr., Harvard Medical School and the Peter Bent Brigham Hospital.

Joseph F. Ross, Evans Memorial Hospital, Boston, Massachusetts.

SCIENTIFIC NOTES AND NEWS

THE Benjamin Carver Lamme medal, awarded annually by the American Institute of Electrical Engineers for meritorious achievement in the development of electrical apparatus or machinery, was presented at the Cleveland meeting to Dr. Joseph Slepian, associate director of the Westinghouse Research Laboratories. The medal was awarded in recognition of his work on "the development of current-interrupting and current-rectifying apparatus. He developed the ignitron, an electronic tube now being used in aluminum and magnesium plants to convert alternating electric current required for the production of these metals."

MICHAEL LERNER, for his services to Chile in connection with his expedition in 1940 under the auspices of the American Museum of Natural History, has been awarded the decoration "Al Mérito" in the degree of "Comendador" by the Government of Chile.

DR. J. C. GEIGER, director of public health of San Francisco, recently received the award of fellow and "member correspondiente" of the National Academy of History of Panama.

WE learn from the *Journal* of the American Medical Association that on July 2, the eightieth birthday

of Dr. Ludvig Hektoen, the Hektoen Institute for Medical Research of Cook County, Illinois, was dedicated in his honor. Dr. Morris Fishbein, editor of the *Journal*, presided at the ceremonies. The building, formerly the McCormick Institute for Infectious Diseases, has been purchased by the board of Cook County commissioners. A portion of the building is already in use. A plaque bearing a bas-relief of Dr. Hektoen was unveiled in the entrance of the institute. The presentation was made by Clayton F. Smith, president of the board of commissioners, and Dr. Karl Meyer received it on behalf of the institute.

At a meeting on April 15 of the History of Medicine Society of Tulane University, as reported in the *Journal* of the American Medical Association, the Rudolph Matas award for the best paper on the history of medicine presented before the society was given to Charles M. Wilson, senior in the medical school, for his paper on "American Contributions to Neurosurgery." The I. I. Lemann Award for the best discussion before the society was presented to Dr. Leonard K. Knapp, junior in the medical school, for his discussion on aviation medicine. The presentations were made by Dr. B. Bernard Weinstein, instructor in gynecology in the medical school at New