

native mahogany, metal-lined and upholstered with soft woolen blankets.

An eight-foot stockade of mahogany posts was erected around the burial plot to prevent the encroachment of the jungle. A great slab, made of cement, which Mrs. Akeley caused to be brought from a government post, a hundred miles distant, bears the explorer's name and the date of his death.

The bronze tablet which the Belgian government now proposes to dedicate to Mr. Akeley's memory will surmount this cement slab. On a future expedition Mrs. Akeley plans to supervise the placing of the tablet on her husband's grave.

After her husband's death Mrs. Akeley was made leader of the expedition by the American Museum of Natural History. She remained at an altitude of 12,500 feet for seven weeks on Mount Mikenso in a camp by her husband's grave, there to complete the survey of the Parc National Albert and to proceed with scientific observations on the mountain gorilla and his environment begun by Mr. Akeley in 1921.

In recognition of her successful completion of the mission, Mrs. Akeley on her return to Brussels was decorated by the King of the Belgians with the cross of Knight of the Order of the Crown. She is now an adviser in the Carl Akeley African Hall work at the American Museum of Natural History.

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## SCIENTIFIC NOTES AND NEWS

PROFESSOR ALBERT A. MICHELSON, of the University of Chicago, is now in Pasadena, where he is recovering from a surgical operation that he recently underwent in Chicago. He expects to resume soon his work on the measurement of the velocity of light.

DR. SHIRLEY W. WYNNE, deputy health commissioner of New York City, has been appointed commissioner, to succeed Dr. Louis I. Harris, who recently resigned to accept the position of consultant to the National Dairy Products Corporation.

DR. GEORGE C. RUHLAND has been appointed commissioner of health of the city of Syracuse, at a salary of \$10,000, succeeding Dr. Herman G. Weiskotten, dean of the college of medicine of Syracuse University, who resigned on August 1. Dr. Ruhland, who since 1924 has been deputy commissioner, is to give his whole time to the work.

DR. EDWIN O. JORDAN, professor of bacteriology and chairman, department of hygiene and bacteriology, University of Chicago, has been appointed Cutter lecturer on preventive medicine at Harvard University for the year 1928-29.

THE National Tuberculosis Association awarded the Trudeau medal to Sir Robert W. Philip at the time of the annual meeting held recently in Portland, Oregon. Sir Robert W. Philip is a fellow of the Royal College of Physicians of Edinburgh.

A FAREWELL dinner has been given at the University Club, Cleveland, by members of the staff of St. Luke's Hospital to Dr. Henry R. Muller, who is leaving for the Rockefeller Institute, New York, to take up some of the work in which Dr. Noguchi was engaged at the time of his death.

IN honor of the seventieth birthday of Dr. Sidney Young, professor of chemistry at Trinity College, Dublin, the following address was presented to him in the presence of a group of distinguished scientific men: "We, your fellow chemists, colleagues and students, past and present, desire to convey to you our congratulations on attaining the age of seventy years, and to wish you a more prolonged enjoyment of good health and the occupation of your chair. We desire also to put on record our appreciation of your fundamental researches in physical chemistry, more especially those concerning pure liquids by fractional distillation, and your determination of their critical contents; nor would we leave unmentioned your lectures in Bristol and in Dublin."

THE honorary degree of doctor of philosophy has been conferred upon William E. Weiss, of Wheeling, W. Va., one of the founders and general manager of Sterling Products, Inc., by the University of Cologne, Germany, in recognition of his services as an intermediary between German and American pharmaceutical staffs.

DR. F. AGUILAR, founder of the dental school in the College of Medicine of Madrid, has been given the title of Viscount de Casa Aguilar by the government. This is said to be the first time that a physician has been so honored.

E. P. WIGHTMAN, research chemist at the Eastman Kodak Co., Rochester, N. Y., has been admitted to a fellowship in the Royal Photographic Society of Great Britain.

DR. SARA E. BRANHAM, for the past year associate in bacteriology in the University of Rochester School of Medicine and Dentistry and formerly instructor in bacteriology at the University of Chicago, has been appointed associate bacteriologist in the Hygienic Laboratory of the United States Public Health Service, Washington, D. C.

CAPTAIN EMORY S. LAND, assistant chief of the bureau of aeronautics, of the Construction Corps of

the United States Navy, has been appointed vice-president of the Daniel Guggenheim Fund for the Promotion of Aeronautics. The Navy has released Captain Land for the period of one year.

A. M. ERSKINE has resigned as professor of chemistry at Hamilton College, Clinton, N. Y., to accept the position of assistant technical director of dry color research with E. I. du Pont de Nemours & Co., at its Meadows Plant, Newark, N. J.

It is announced in *Nature* that Dr. E. F. Armstrong, having resigned his position as a director of British Dyestuffs Corporation, Limited, has accepted a retainer as consultant to Imperial Chemical Industries, Ltd.

It is planned to establish in London a Kodak Research Laboratory similar to the research laboratory of the Eastman Kodak Company, at Rochester, N. Y. It will be part of the kodak factory organization at Harrow, and will be under the direction of Walter Clark, a well-known photographic worker, who was at the British Photographic Research Association for five years, and was later connected with the South Kensington Museum.

A CONFERENCE was recently held at the Jacques Loeb Laboratory of Physiology at Pacific Grove, California, by Professor W. E. Allen, of the Scripps Institution of Oceanography of the University of California, at La Jolla; Professor L. B. Beeking, chairman of the subcommittee on fundamental marine biology of the International Committee on Oceanology of the Pacific, and Professor H. B. Bigelow, of the Harvard Museum of Comparative Zoology, for the purpose of discussing the most promising possibilities of cooperation among various scientific organizations of the nation in study of the floating plant and animal life of the Pacific, particularly with reference to problems along the North American Coast.

At a joint council meeting of the People's League of Health, London, July 12, a resolution was passed urging the league to bring to the attention of the government the need for the control of preventable noise in the streets. The following members of the medical council have been asked to form the deputation to present the subject to the ministry of health: Sir Edward Farquhar Buzzard, Sir Maurice Craig, Sir Robert Armstrong-Jones, Sir James Purves-Stewart, Dr. Alfred F. Tredgold, Dr. Thomas Beaton and Dr. G. Robertson.

THE Ross Institute and Hospital for Tropical Diseases has organized an "Anti-Malarial Advisory Committee," with the object of assisting tropical industries in carrying out practical measures to combat the dis-

ease. The technical members of the committee are Sir Malcolm Watson, Sir Ronald Ross, Sir William Simpson, and Sir Aldo Castellani, and the lay members include representatives of a number of rubber, cotton, gold and other mining companies and associations. The anti-malaria staff at the institute will be at the disposal of these companies for advice, and it is intended that Sir Malcolm Watson himself shall visit some part of the tropics every year for a short period.

AN Associated Press dispatch states that the committee appointed to determine the best site for the proposed Boulder Dam project met in Denver on August 13. General William L. Sibert is chairman of this committee; other members are Dr. Charles P. Berkey, professor of geology at Columbia University; Robert Ridgway, former president of the American Society of Civil Engineers; Professor Daniel W. Meade, professor of hydraulic engineering at the University of Wisconsin, and Warren J. Mead, professor of geology at the University of Wisconsin.

THE International Committee for Bird Protection has engaged an active European secretary in the person of Dr. J. M. Derscheid, of Brussels. A series of lectures will be organized in France in the beginning of autumn and a wide publicity campaign in the press of Italy has been determined upon. The expenses of this international movement for bird protection thus far have been borne by the National Association of Audubon Societies, of which Dr. Pearson is president.

COLONEL E. LESTER JONES, head of the U. S. Coast and Geodetic Survey, has returned to Washington from England where he attended the International Geographical Congress in London and Cambridge. H. J. Cox, of the U. S. Weather Bureau, district forecaster at Chicago, also attended. Before sailing for home on August 15 he made a brief study of the meteorological service supplied to aviation in the British Isles, France, Belgium and Holland.

PROFESSOR HAVEN EMERSON, of Columbia University, will report on the results of prohibition from the hygienic aspect at the nineteenth International Congress against Alcoholism which will be held at Antwerp under the presidency of Professor Zunz, of Brussels, at the end of the present month.

DR. H. C. OBERHOLSER, ornithologist of the Biological Survey, spent three weeks during July studying waterfowl in Canada. In addition to field observations of waterfowl conditions, he held conferences with Canadian officials regarding organization features in the interest of the country-wide waterfowl census, which is being conducted in cooperation with Canada.

CLIFFORD POPE, assistant curator in the American Museum of Natural History, has been visiting Chicago where, with Mr. Karl P. Schmidt, of the Field Museum, he has been studying his last collection of reptiles made for the Central Asiatic Expedition in China. The collection includes about 2,600 specimens, among which are representatives of more than ninety species, nearly all of which are from Fukien Province.

DR. ROBERT BROOM, of South Africa, is visiting the American Museum of Natural History to make a further study of the specimens of the South African reptiles in the Broom collection, which was acquired by the museum fourteen years ago.

DR. J. E. WODSEDALEK, professor of zoology and dean of the graduate school at the University of Idaho, after fifteen years of service will spend a sabbatical year, primarily in research, at the University of Minnesota, where he has been made professorial lecturer in zoology.

PROFESSOR ALEXANDER SILVERMAN, head of the department of chemistry in the University of Pittsburgh, has delivered an illustrated lecture on "Recent Progress in American Glass Manufacture" before the German Ceramic Society at Dresden, Germany.

DR. JOSEPH EDWARD KIRKWOOD, professor and head of the department of botany at the University of Montana, died on August 16 at the age of fifty-six years.

DR. JOSEPH T. ROSA, Jr., a member of the faculty of the branch of the college of agriculture of the University of California at Davis, died suddenly on August 22 at the age of thirty-three years. Dr. Rosa had conducted extensive researches and had published numerous bulletins on the cultivation of potatoes, melons and tomatoes.

WILLIAM MAVER, Jr., an electrical engineer and technical writer, died on August 8 at his home in Jersey City at the age of seventy-six years.

VISCOUNT HALDANE, of Cloan, the distinguished British statesman, died on August 19 at the age of seventy-two years. Lord Haldane was the author of books concerned with philosophy and science, the most recent being "The Reign of Relativity" and "The Philosophy of Humanism." Lord Haldane belonged to a family distinguished in law and in science. His brother, John Scott Haldane, has been director of the mining research laboratory of the University of Birmingham and his nephew, J. B. S. Haldane, is well known for his work in biochemistry.

PROFESSOR JINZO MATSUMURA, for nearly thirty years director of the Botanic Gardens, Koishikawa,

and professor of botany in the Imperial University, Tokyo, died on May 4, aged seventy-three years.

PROFESSOR GUNNAR ANDERSSON, professor of economic geography in the Commercial High School, Stockholm, and author of works on plant geography, died on August 5, aged sixty-three years.

FRANK STANTON CAREY, who for thirty-seven years was professor of mathematics in the University College and the University of Liverpool, died in Liverpool on July 26. Professor Carey published a number of works, including "Solid Geometry," "Infinitesimal Calculus," "Papers on Mathematics," and "Elements of Mechanics," the last in collaboration with Professor J. Proudman. On his retirement the title of emeritus professor was conferred on him by the Senate, and a sum of £240 was subscribed by friends, colleagues and past students for the foundation of the Carey prize in mathematics, to commemorate his long and distinguished work for the university.

THE contributors to the Ferrier Memorial Fund met on July 18 in London under the chairmanship of Sir Charles Sherrington, and resolved to invite the Royal Society to accept the sum of £1,000 in trust to found a David Ferrier Memorial Lecture. It was further decided that the balance of the fund shall be applied as seems best when the total contributions are known. The fund will be closed on September 30. The honorary treasurer is Dr. W. Aldren Turner, 18, Harley Street, W.1.

APPLICATION for the position of senior toxicologist at a salary of from \$4,600 to \$5,200 a year must be on file with the U. S. Civil Service Commission not later than September 5. A vacancy in the Bureau of Chemistry and Soils, Department of Agriculture, and vacancies occurring in positions requiring similar qualifications, for duty in Washington, D. C., or in the field, will be filled from this examination, unless it is found in the interest of the service to fill any vacancy by reinstatement, transfer or promotion. Competitors will not be required to report for examination at any place, but will be rated on their education, training and experience and on a thesis or publication, of which the applicant is the author, on some subject connected with physiology, pathology, toxicology, pharmacology or biochemistry, which must be filed with the application. The applicant must be under fifty-three years of age. Application for the position of cytologist in the Hygienic Laboratory of the U. S. Public Health Service with a salary of \$3,700 must also be on file on the same date. Applicants, who must be under forty-five years of age, must have been graduated from a college or university of

recognized standing with the degree of M.D., Ph.D., or D.Sc., the course to have included courses in zoology, biochemistry, anatomy and physiology; and, in addition, must have had at least three years of graduate study or research experience in cytology, preferably with relation to the action of various types of radiation on living cells. Competitors will not be required to report for examinations at any place, but will be rated on their education, training and experience.

*Nature* reports that the meeting of the Astronomische Gesellschaft was held at Heidelberg on July 18 to 21 so soon after the meeting of the International Astronomical Union at Leyden that a large number of British and American astronomers were able to attend. The question of the reobservation of the A. G. Catalogue by photography was fully discussed, and a number of interesting communications on various subjects were read. Dr. Max Wolf invited the members to tea at the Königstuhl, and they were shown round this observatory. The members were welcomed by the university and municipality and were entertained at a dinner, at which the rector of the university, the president of the Astronomische Gesellschaft, the Astronomer Royal, Professor Schlesinger and M. Mascart spoke. An invitation by the municipality of Stuttgart included a visit to Weil der Stadt, where Kepler was born. A wreath was placed on his statue by Dr. Max Wolf, and short addresses were given by Dr. Wolf and Professor Eddington. At Stuttgart a demonstration was given of the Planetarium. The meeting terminated with a visit to Mannheim, by kind invitation of the municipality. On the journey to or from Heidelberg many of the members, by kind invitation of Professor Kohlschütter, visited the observatory of Bonn and saw the instruments and observatory of Argelander.

At the second International Congress of Radiology, which met at Stockholm during the last week in July, under the presidency of Professor Gösta Forsell, there was an attendance of 1,500, 1,000 of whom were registered members. It was decided to hold the third congress in Paris in 1931, under the presidency of Professor Bécélère.

THE thirteenth annual meeting of the Optical Society of America will be held at the Bureau of Standards, Washington, D. C., on November 1, 2 and 3. In addition to the technical program, an exhibition of optical instruments, apparatus and products has been planned under the joint auspices of the Bureau of Standards and the society. Manufacturers, dealers and individual workers are invited to exhibit recently developed instruments and those particularly signifi-

cant in research. All material to be published in the catalogue of the exhibition must be in the hands of I. C. Gardner, chairman, Bureau of Standards, Washington, D. C., not later than September 1.

THE Commonwealth Fund has begun the issuance of *The News Letter*, which will be published bi-monthly beginning in October, 1928, the occasion of the tenth anniversary of the founding of this philanthropy. The introductory number issued in May describes *The News Letter* "as a vehicle through which to promote an enlarged sense of unity of purpose and to advance . . . better understanding of the purposes and objectives of the fund." One of the departments of *The News Letter* will be devoted to activities of community clinics, that part of the fund's program conducted by the Division of Community Clinics of the National Committee for Mental Hygiene.

A BILL was passed, May 24, by the Turkish national assembly providing for a central institute of hygiene, to be erected in Angora. The institute, according to the *Journal* of the American Medical Association, is to make every kind of scientific research and investigation connected with the amelioration of the health conditions of the people; to solve the problems of health and sanitation for the ministry of hygiene; to prepare all vaccines and serums and do all other laboratory work for the ministry; to examine and verify all foreign biologic preparations; to deal with general problems of hygiene and public health; to give post-graduate courses in public health and hygiene to health officers and other physicians, and to serve as hygiene and health exchange for municipal and other official agencies. All work done by the institute for municipal and other official agencies shall be free of charge. The prices of all preparations of the institute laboratory are to be fixed by the ministry of hygiene. The minister of hygiene is authorized to appoint specialists from foreign countries for the new institute. The government has granted the sum of 2,000,000 Turkish pounds for the construction of the institute and the departments. The chemical and bacteriologic building has already been completed, and the construction of the school of hygiene and public health is to commence within a few months.

THE use of weights and measures other than metric are to be prohibited in Mexican trade under a law signed recently by the president. Under the proposed regulations all articles would have to be sold by weight, measure or volume, and such units would have to be in the metric system; this would prohibit the sale of "package" goods as such. It is also proposed that sales be in units or multiples of one, two or five of some metric unit.

A COMPREHENSIVE state-wide program of wild life conservation has been undertaken in Missouri. To provide places for raising deer, wild turkey, quail and pheasants, and likewise provide camp grounds in the Ozark Mountain district, the state has purchased 36,000 acres of land, at a cost of about \$500,000, divided into 12 separate tracts. These are designated as state parks. Ninety per cent. of the area of these parks is devoted to game propagation. Most of the large springs in the Ozarks and a large percentage of its clear and rapid streams either originate or flow through state parks.

### UNIVERSITY AND EDUCATIONAL NOTES

THE contract has been let for the construction of the Martin Maloney Memorial Laboratory for medical research work at the University of Pennsylvania. It will be erected at a cost of \$500,000.

WITH the organization and establishment during the coming year of the Giannini Foundation for Agricultural Economics at Berkeley, another division of research and instruction will be added to the College of Agriculture of the University of California. Another unit of the agricultural building group, to cost approximately \$500,000, will be constructed shortly to house the foundation and to provide temporary additional space for other departments of the college. An endowment of approximately a million and a half dollars will support the work of this foundation. Chief divisions of instruction will be in the fields of plant science, animal science, entomology and parasitology, agricultural economics and forestry.

DEAN J. H. SKINNER, of the school of agriculture of Purdue University, Indiana, has been appointed director of the Purdue University Agricultural Experiment Station and of the agricultural extension department of the university, to succeed Dr. G. I. Christie, who has resigned, after twenty-three years of service, to become president of Ontario Agricultural College at Guelph.

PROFESSOR JAMES H. HANCE, head of the department of geology at the Agricultural and Mechanical College at College Station, Texas, has been appointed dean of the Oregon State Agricultural College, to succeed Dr. Charles E. Newton, who recently resigned.

AT the University of Chicago, Drs. Warder C. Allee and Carl R. Moore, zoology; Edwin A. Burt, philosophy; W. J. G. Land, botany; Harvey B. Lemon, physics, and Frank E. Ross, astronomy, have been promoted to full professorships.

RECENT promotions to full professorships in the University of Illinois include Dr. Edward A. Boyden

and Dr. Otto F. Kampmeier, of the department of anatomy of the College of Medicine in Chicago.

DR. ALFRED HUETTNER, assistant professor of zoology at Columbia University, has been appointed associate professor of biology in the Washington Square College of New York University.

DR. ROBERT DONALDSON has been appointed to the Sir William Dunn chair of pathology at Guy's Hospital Medical School, London. Dr. Donaldson is the author of "Practical Morbid Histology" and other publications.

DR. A. M. DRENNAN, professor of pathology in Otago University, Dunedin, has been appointed professor of pathology in Queen's University, Belfast, Ireland.

DR. JOHANNES LINDWORSKY, professor of psychology at the University at Cologne, has been called to Prague.

### DISCUSSION

#### HELODERMA SUSPECTUM, AUTOMOBILE TOURISTS AND ANIMAL DISTRIBUTION

IN a note in SCIENCE, Mr. P. F. English<sup>1</sup> records two instances of the finding of large lizards at considerable distances from their known native habitats. One of these occurrences is that of *Heloderma suspectum*, the Gila monster, concerning which the author remarks that "any attempt to explain how this lizard found its way to Wheelock [Texas], some four or five hundred miles from its native haunts, would be mere guesswork." Concerning the other, an *Iguana tuberculata* from Central America taken in Texas, admittedly a still more difficult occurrence to explain, he says, "How such a reptile could find its way from its tropical and arboreal habitat in the jungles to the almost treeless plains of Childress, Texas, is an interesting speculation."

The present writer heartily agrees to the interesting character of the speculation induced, but believes that an explanation for the first, if not the second instance, may be offered which will be much better than "mere guesswork." Incidentally a new, or if not new, little considered, factor in animal distribution may be given point.

During the course of a dozen years in my present location I have received from interested and curious persons many specimens of the peculiar or unique animals of the southwest; and there have passed through my hands, mainly from these sources, probably nearly one hundred Gila monsters. During that

<sup>1</sup> English, P. F., "Notes on *Heloderma suspectum* and *Iguana tuberculata*," SCIENCE, Vol. LXVI, No. 1697, p. 37.