

THE RANCHO GRANDE STATION OF THE NEW YORK ZOOLOGICAL SOCIETY

THE New York Zoological Society has announced that through the cooperation of the Venezuelan Government a new station for scientific research is soon to be established at Rancho Grande, near Maracay. Supported by the Creole Petroleum Corporation and the Standard Oil Company of New Jersey, the station, under the direction of Dr. William Beebe, will be headquarters for the forty-fifth expedition of the Department of Tropical Research of the society.

The new station, originally designed as a hotel, is situated at an altitude of 3,000 feet, in the middle of a national forest comprising 300 square miles of conserved and undisturbed rain jungle. It is, however, easily accessible to Venezuelan and North American scientists and students, since it is less than four hours by car from Caracas.

The building is within one hour by motor from several diversified types of country available for study—seashore, mangrove swamps, grasslands, cactus deserts, fresh-water lakes, mountain torrents, rivers and high tropical rain forests with the varying altitudes from sea level to more than a mile. These offer excellent opportunities for the study of varied life histories under changes of altitude, humidity and temperature. The jungle crowds down to the very doors of Rancho Grande and presents problems of great interest and importance. Dominant subjects of study will be behavioristic characterizations of species, the evolution of animal display, the demarcation of ecologic jungle zones and faunal adaptation.

In connection with the expedition, Dr. Beebe and his staff are planning to give illustrated lectures in Spanish at the invitation of scientific societies and universities. The staff includes Miss Jocelyn Crane, research zoologist; Henry Fleming, entomologist, and George Swanson, artist. The party plans to leave for Venezuela this spring for a six months' stay. It is

expected that other North American scientists will visit the station later on.

OFFICERS OF THE WASHINGTON ACADEMY OF SCIENCES FOR 1945

OFFICERS of the Washington Academy of Sciences have been elected for 1945 as follows:

President: John E. Graf.

Secretary: F. G. Brickwedde.

Treasurer: Howard S. Rappleye.

Vice-presidents representing the Affiliated Societies:

Philosophical Society of Washington, George R. Wait

Anthropological Society of Washington, T. Dale Stewart

Biological Society of Washington, Frank Thone

Chemical Society of Washington, Horace S. Isbell

Entomological Society of Washington, Carl F. W. Muesebeck

National Geographic Society, Alexander Wetmore

Geological Society of Washington, George Tunell

Medical Society of the District of Columbia, Frederick O. Coe

Columbia Historical Society, Gilbert Grosvenor

Botanical Society, Frank P. Cullinan

Washington Section of the Society of American Foresters, William A. Dayton

Washington Society of Engineers, Frank B. Scheetz

Washington Section of the American Institute of Electrical Engineers, Francis B. Silsbee

Washington Section of the American Society of Mechanical Engineers, Walter Ramberg

Helminthological Society of Washington, Mario Mollari

Washington Branch of the Society of American Bacteriologists, Harold R. Curran

Washington Post of the Society of American Military Engineers, Clement L. Garner

Washington Section of the Institute of Radio Engineers, Herbert Grove Dorsey

Washington Section of the American Society of Civil Engineers, Owen B. French

Elected members of the Board of Managers for a term of three years, Henry B. Collins, Jr., and James H. Taylor.

SCIENTIFIC NOTES AND NEWS

THE Legion of Merit awarded by the War Department to Colonel Joaquin E. Zanetti, professor of chemistry and director of the chemical laboratories of Columbia University, now of the Chemical Warfare Service, was presented to him at the Edgewood Arsenal on February 20. The citation reads in part as follows: "Colonel Joaquin E. Zanetti, Chemical Warfare Service, U. S. A. For exceptionally meritorious conduct in the performance of outstanding services from July, 1941, to September, 1944. Occupying successively the positions of chief of the Incendiaries Branch, assistant military attaché in Lon-

don for Chemical Warfare matters and chief of the Special Projects Division, Colonel Zanetti through his high professional attainments and knowledge of chemistry made a distinct contribution in searching for and making available new principles and techniques susceptible of application to chemical warfare."

DR. S. C. BROOKS, professor of zoology at the University of California at Berkeley, has been elected a corresponding member of the Centro de Estudiantes del Doctorado en Ciencias Naturales of Buenos Aires, Argentina.

THE annual meeting of the American Society of European Chemists and Pharmacists, which unites the chemists, physicists, pharmacists and pharmacologists graduated in Europe, was held under the presidency of Dr. Henry Goldschmidt on January 25 in the auditorium of the society in New York City. Professor Albert Einstein, Institute for Advanced Study, Princeton, N. J.; Professor Victor Hess, Fordham University, N. Y., and Professor Otto Meyerhof, University of Pennsylvania, were elected honorary members.

THE Pittsburgh Award for outstanding service to chemistry was presented on February 15 to Dr. Leonard H. Cretcher, assistant director of the Mellon Institute and head of its Department of Research in Pure Chemistry. The award is presented annually by the Pittsburgh section of the American Chemical Society.

SIR BENNETT MELVILL JONES, F.R.S., Francis Mond professor of aeronautical engineering at the University of Cambridge, has been elected a member of the Athenaeum Club, London, under a provision which empowers the election of a certain number of persons of distinguished eminence in science, literature or the arts, or for their public services.

Nature states that the Maharaja of Travancore Lord Curzon Prize of the University of Madras for the most meritorious original investigation in the physical sciences has been awarded this year to S. Rajagopalan, of the Indian Institute of Science, Bangalore, for his "Essays in Chemotherapeutical Synthesis."

THE Union of American Biological Societies has elected the following officers for 1945: *President*, Robert Chambers, New York University; *Secretary*, F. A. Brown, Jr., Northwestern University; *Members of the Executive Committee*, E. G. Butler, Princeton University; M. Demerec, Carnegie Institution, Cold Spring Harbor, and R. F. Griggs, Division of Biology and Agriculture, National Research Council.

DR. GEORGES DUHAMEL has been appointed permanent secretary of the Paris Academy of Sciences.

DR. EDWIN BRAUN FRED, professor of bacteriology at the University of Wisconsin, since 1943 dean of the College of Agriculture, previously for nine years dean of the Graduate School, has been elected president of the university to succeed President C. A. Dykstra, who has become provost of the University of California at Los Angeles.

DR. REUBEN G. GUSTAVSON, president of the University of Colorado, has been appointed dean of the Faculties of the University of Chicago, effective on July 1. Dr. Gustavson has tendered his resignation to the University of Colorado, of which he has been president since September, 1943. Previously he had

served as professor and chairman of the department of chemistry and dean of the Graduate School.

HOBART E. STOCKING, formerly geologist for District 1 of the Petroleum Administration for War at Pittsburgh, has been appointed visiting professor of geology at the University of Costa Rica, San José. Mr. Stocking is in Washington conferring with officers of the Department of State. He expects to remain for a year in Costa Rica, where he will teach geology in the Colleges of Engineering and Agriculture of the university and serve as geological adviser to the Costa Rican Government. Mr. Stocking is one of a group of professors and technical experts who have recently been awarded travel grants for service in other American republics.

DR. KENNETH E. CASTER, assistant professor of geology and fellow of the Graduate School of Arts and Sciences of the University of Cincinnati, has been appointed for a three-year term visiting professor from the United States to the department of geology and paleontology of the University of São Paulo. At the conclusion of this appointment, Dr. Caster will spend at least a year in geological and paleontological studies in the Northern Andes under a John Simon Guggenheim Memorial Foundation fellowship.

DR. WILLIAM L. CAMPBELL, since 1943 vice-president in charge of manufacturing of the Brown Company, of Berlin, N. H., has been appointed head of the new department devoted to education and research in food technology of the Massachusetts Institute of Technology. Associated with him will be Professor Bernard E. Proctor, whose appointment as director of the Samuel Cate Prescott Laboratories of Food Technology was recently announced. The new department includes and extends the scope of these research laboratories.

DR. LEROY D. EDWARDS, of the University of Florida, has been appointed professor of pharmacology in the School of Pharmacy at Purdue University. He will take up this work on March 1. He fills the vacancy created by the resignation of Professor C. H. Waldon, who has become dean of the School of Pharmacy of the University of Montana.

DR. J. EDWARD HOFFMEISTER, professor of geology at the University of Rochester and dean of the faculty, has been promoted to the newly established position of dean of the College of Arts and Science in which he will have added responsibilities in connection with faculty appointments and promotions in both the College for Men and the College for Women. He will teach some classes and will continue his research.

WESTERN RESERVE UNIVERSITY has received a gift of \$50,000 from the "associates" of Jack and Heintz,

Inc., of Cleveland, to enable Dr. John A. Toomey to carry on a five-year program of research on infantile paralysis, whooping cough, measles and other contagious diseases. Dr. Toomey is acting head of the department of pediatrics at the School of Medicine and acting director of the Babies and Children's Hospital.

THE Abbott Laboratories, North Chicago, have made an additional grant of \$1,500 to Dr. Louis S. Goodman, professor of pharmacology at the University of Utah, for the study of new anticonvulsants and analgesic compounds. He is also the recipient of a grant of \$16,000 from Givaudan-Delawanna, Inc., New York, N. Y., to be expended over a period of two years for an investigation of the pharmacodynamic properties and therapeutic actions of a series of new organic compounds.

DR. E. C. AUCHTER, administrator of agricultural research in the U. S. Department of Agriculture, resigned effective on February 3 to accept the position of director of the Pineapple Research Institute of Hawaii, with headquarters in Honolulu. Dr. Auchter was appointed late in 1941 head of the Agricultural Research Administration when it was organized by bringing together seven scientific bureaus. In that post he directed most of the scientific work of the Department of Agriculture. Among the scientific achievements of the Research Administration during the war have been the development of DDT as a military insecticide, the development of methods for large-scale manufacture of penicillin, the wide-spread use of phenothiazine as an anthelmintic for livestock, the development of improved methods for dehydration of vegetables and meats and the wide-spread application of nutritional knowledge in wartime food programs.

P. V. CARDON, at one time director of the Utah Agricultural Experiment Station and later assistant chief of the Bureau of Plant Industry, has been appointed administrator of agricultural research to succeed Dr. Auchter. He has been assistant to Dr. Auchter since the Agricultural Research Administration was organized. His appointment as administrator assures the continuation of the research program that has been carried on by the Research Administration.

J. J. SKINNER, since 1935 senior biochemist of the Bureau of Plant Industry, Soils and Agricultural Engineering at Beltsville, Md., of the U. S. Department of Agriculture, has retired after a government service of forty-one years. On this occasion he was presented with a wrist watch from friends and co-workers at a luncheon given in his honor.

DR. RICHARD EVANS SCHULTES, research fellow at the Botanical Museum of Harvard University, is serving as agronomist for the rubber program of the

Bureau of Plant Industry, U. S. Department of Agriculture. *The Harvard Alumni Bulletin* reports that he visited Cambridge in January after three and a half years spent in the Amazonian regions of Colombia. He can be addressed in care of the American Embassy, Bogota, Colombia, S. A.

CLINTON R. HANNA, manager of the electro-mechanical department of the Westinghouse Electric and Manufacturing Company, has been appointed associate director of its research laboratories, not director, as incorrectly reported recently.

MAJOR WM. REINER-DEUTSCH, research director of Clark and Clark, is now overseas. He is serving as chief of the Laboratory Service of a General Hospital in France.

DR. J. M. MACKINTOSH, professor of public health at the University of London and dean of the London School of Hygiene and Tropical Medicine, has been appointed a member of the British Fuel and Power Advisory Council.

At the three hundred and thirty-first meeting of the Washington Academy of Sciences which was held on February 15, Captain Clement L. Garner, chief of the Division of Geodesy of the U. S. Coast and Geodetic Survey, gave the address of the retiring president. It was entitled "The Utility of Geodetic Control Surveys."

DR. FRANK K. EDMONDSON, chairman of the department of astronomy of Indiana University, on January 31 addressed the University of Cincinnati Chapter of the Society of the Sigma Xi on "Recent Work on the Motions of Faint Stars."

PROFESSOR GEORGE B. CRESSEY, chairman of the department of geology and geography of Syracuse University, addressed the officers and men of the United States Naval Academy at Annapolis on February 16. His address was entitled "A Report from Asia." He will lecture at the West Point Military Academy in April.

PROFESSOR HAROLD LASKI delivered the first public lecture of the British Association of Chemists on February 14. He spoke on "The Place of the Scientist in Post-War Administration."

At the request of the War Committee on Conventions, Washington, D. C., the Society of American Bacteriologists has cancelled its Wartime Conference, which it had planned to hold in Detroit, Mich., from May 22 to 25.

THE third Brazilian Congress of Chemistry was held recently at Rio de Janeiro under the auspices of the Associação de Brazil. The first congress was held in January, 1941, at São Paulo and the second met in

Curitiba in January, 1943. At the Rio de Janeiro meeting the program included seventy-nine scientific and technical papers. In addition two conferences were held, one on the production of quinine in Brazil, at which Professor Ricardo Wasieky made the principal address, and one on possible improvement in the instruction in chemistry provided by the high schools of the country. Prizes were offered by the Instituto do Azeúcar e do Alcool for studies on sugar and the alcohol industry.

As in former years, the School of Mathematics of the Institute for Advanced Study will allocate a small number of stipends to gifted young mathematicians and mathematical physicists to enable them to study and to do research work at Princeton during the academic year 1945-1946. Candidates must have given evidence of ability in research comparable at least with that expected for the degree of Doctor of Philosophy. Blanks for application may be obtained from the School of Mathematics, Institute for Advanced Study, Princeton, N. J., and should be returned at the earliest possible date.

At Columbia University the Faculty of Dentistry has become a part of the Faculty of Medicine. The staff in dentistry will retain its identity as a professional group within the faculty of medicine, and will have departmental autonomy in carrying out the educational program in dentistry, which will be continued under the name of the School of Dental and Oral Surgery. Members of this department will have seats on the Faculty of Medicine and one of its members will be appointed associate dean for dental and oral surgery and will be the executive officer of the department.

THE *Journal* of the American Dental Association states that a bill authorizing the appropriation of a million dollars for the erection and equipment of a national institute of dental research and an annual sum of \$730,000 for the carrying on of its activities has been introduced by Senator Murray. This bill is the translation into legislation of the first part of the program of the American Dental Association as the basis of a long-range program for dental health.

SECURITIES turned over to the University of Rochester by Mrs. Helen W. Rivas, of New York City and LeRoy, N. Y., will make possible the establishment of a neuro-psychiatric clinic at the School of Medicine and Dentistry of the University of Rochester, for which a trust fund is set up to conduct and maintain the clinic. The new unit will be built as soon as practicable. It is reported that a committee of the faculty of the School of Medicine will make a survey to select a director for the clinic, so that he may participate in preparing the plans for the physical plant and for the organization of the staff.

INTERNATIONAL measures to check the spread of epidemics were made public when it was announced by UNRRA in the *Times*, London, on January 18 that new sanitary conventions have been signed in Washington by nineteen nations. The object is to prevent the spread of epidemics when millions of persons deported by the Germans are repatriated. The conventions will facilitate the return of these people by ensuring that the quarantine arrangements are in accordance with modern scientific developments. UNRRA will act as a clearing-house for information on epidemic diseases in cooperation with the Office of International Health in Paris.

DISCUSSION

"THE NEEDS OF MAN"

I AM grateful to the editors of *SCIENCE* for publishing and to Dr. Warren S. Thompson for writing the extensive review¹ of my recent book, "Enough and to Spare," but there are certain statements and implications in that review that call for comment on my part. The issues involved are of far-reaching significance in the shaping of public opinion, and it is well for them to be brought out into the open. In spite of the hypercritical tone of his review, the fact is that Dr. Thompson and I are largely in agreement about the fundamental principles that both of us are eager to have widely recognized by the general public.

Either of Dr. Thompson's statements of my aim is quite satisfactory to me. My only regret is that he did not indicate more clearly that he too believes "that it is not the niggardliness of nature but the

stupidity of man which imposes the sufferings of poverty and war upon such a large proportion of mankind." That this is his own conclusion is indicated by his writings, from which I had drawn some of the data used in my book (*e.g.*, page 171). In his "Plenty of People" (Jaques Cattell Press, 1944), he writes (page 110):

It is my contention that if plans are made to use these thinly settled lands, as well as to provide for much freer trade between the nations of the world at all times, the inevitable increase in the world's population during the next few decades can be cared for and thus the danger of armed conflict can be lessened, possibly conflict can even be avoided.

Of course, it will not be easy to put into practice our present knowledge of the techniques of increasing agricultural production and extending the area of cultivated ground across regions not yet put to

¹ *SCIENCE*, vol. 101, no. 2612, January 19, 1945, pp. 65-67.