

New York, for development of a method for transmitting pictures over telephone lines and for the further development of television either over land wires or by radio.

Dr. Peyton Rous, pathologist of the Rockefeller Institute, New York, for his invention of devices and the development of a filtration technique for separating from tumor cells a substance producing sarcoma in fowls.

Dewey DeForest Knowles, physicist, Western Electric Research Laboratories, Bloomfield, N. J., for a device known as a "Grid Low Relay," by which it is possible by an infinitesimal amount of energy to control the operation of an electric switch in an electric circuit capable of performing any desired operation.

### SCIENTIFIC NOTES AND NEWS

PROFESSOR JOHN JOHNSTON, since 1919, Sterling professor of chemistry at Yale University, has resigned to join the United States Steel Corporation as director of its department of research and technology.

DR. WILLIAM CROCKER, director of the Boyce Thompson Institute for Plant Research, was recently elected chairman, and Dr. L. L. Woodruff, of Yale University, vice-chairman, of the Division of Biology and Agriculture of the National Research Council for the year 1927-28.

CORNELL COLLEGE has conferred the degree of doctor of laws on Herbert Hoover, secretary of the Department of Commerce.

THE degree of doctor of laws was conferred by Lafayette College on Dr. William S. Jardine, Secretary of Agriculture, at the commencement exercises on June 10. Dr. Jardine delivered the address, taking as his subject "Leadership in a Modern World."

DR. HUGH S. CUMMING, surgeon-general, United States Public Health Service, who spoke on the "Relation of the Physician to the Public" at the commencement exercises of the Medical College of Virginia, Richmond, was awarded the honorary degree of doctor of science. Dr. Cumming is an alumnus in medicine of both the University of Virginia and the Medical College of Virginia.

THE doctorate of science was conferred on Dr. Henry Fairfield Osborn, president of the American Museum of Natural History, on the occasion of the recent commencement of New York University.

DR. HARLOW SHAPLEY, director of the Harvard College Observatory, has been awarded the degree of doctor of laws by the University of Missouri, where he graduated in 1910.

THE University of Pittsburgh has conferred the honorary degree of doctor of science upon Mr. Andrey Avinoff, director of the Carnegie Museum,

and Professor Hugo Kahl, curator of entomology in the museum.

AT the commencement exercises of the University of Maryland, the degree of doctor of science was conferred on Sir John Russell, director of the Rothamsted Experiment Station.

THE medal of honor of the Institute of Radio Engineers for 1927 has been awarded to Dr. Louis W. Austin, physicist of the laboratory for special radio transmission research of the Bureau of Standards. The presentation was made by Dr. Ralph Bowie, president of the institute, at the meeting on June 1.

DR. DOUGLAS JOHNSON, professor of physiography in Columbia University, has been elected a corresponding member of the Russian Geographical Society.

DR. SOLOMON SOLIS COHEN, professor of clinical medicine in the Jefferson Medical College and Hospital, has resigned his chair and has been made emeritus professor.

PROFESSOR C. F. JACKSON, head of the department of zoology in the University of New Hampshire, was at the recent annual meeting at Waterville elected president of the state academy of science to succeed Dr. Wilhelm Segerblom, head of the department of chemistry at Phillips Exeter Academy.

AT the recent meeting of the American Society of Mechanical Engineers at White Sulphur Springs, West Virginia, officers were nominated as follows: *President*, Alexander Dow, president of the Detroit Edison Company, Detroit, Mich.; *Vice-presidents*, John H. Lawrence, vice-president and engineering manager of Thomas E. Murray, Inc., New York, N. Y.; Newell Sanders, Newell Sanders Plow Company, Chattanooga, Tenn.; Edward A. Muller, vice-president and general manager, King Machine Tool Company, Cincinnati, O.; Paul Wright, Paul Wright and Company, Birmingham, Ala.

THE American Society of Agricultural Engineers has elected Colonel O. B. Zimmerman, experimental engineer with the International Harvester Company, president, to take office following the meeting at St. Paul, which will be held from June 22 to 25. Arthur Huntington, public relations engineer, Iowa Railway and Light Corporation, will be first vice-president; Deane G. Carter, professor of agricultural engineering of the University of Arkansas, second vice-president, and Raymond Olney, St. Joseph, Mich., secretary and treasurer.

DR. WILLIAM SNOW MILLER, professor emeritus of anatomy at the University of Wisconsin, was elected an honorary member of the National Tuberculosis Association at the Indianapolis meeting.

COLONEL LOUIS C. TRIMBLE, superintendent of the New York Post-Graduate Medical School and Hospital, who was last year chosen president-elect of the Hospital Association of the State of New York, presided at the third annual conference of the State Hospital Association, which recently met at Syracuse, N. Y.

ARNO C. FIELDNER, superintendent of the Pittsburgh experiment station of the United States Bureau of Mines, has been appointed to the position of chief engineer of the Division of Experiment Stations, effective on July 1.

W. G. CAMPBELL, director of regulatory work of the United States Department of Agriculture, will administer the work under the Food, Drug and Insecticide Administration, which takes form on July 1, 1927. Dr. P. B. Dunbar, now assistant chief of the Bureau of Chemistry, will be assistant chief of the new administrative unit, which was created by an act of the Congress and is charged with the enforcement of the federal food and drugs act, the tea inspection act, the insecticide and fungicide act, the naval stores act, the import milk act and the caustic poison act. Mr. Campbell has been connected with the work of enforcement of the food and drugs act since it became effective twenty years ago. Dr. J. K. Haywood, chairman of the Insecticide and Fungicide Board, which has been abolished, will have immediate charge of the work involved in the enforcement of the insecticide act.

S. A. ROHWER, entomologist in charge of taxonomic investigations in the Bureau of Entomology, has been appointed business manager of the bureau. He will continue his administrative work as head of the taxonomic division. E. B. O'Leary has been appointed administrative consultant, which position has recently been established. Herbert H. Schwardt, a graduate of Kansas Agricultural College, has been appointed junior entomologist, and will be associated with A. J. Ackerman in fruit-insect investigations at Bentonville, Ark. Lawrence C. McAlister, Jr., a graduate of South Carolina Agricultural College, has been appointed junior entomologist and assigned to duty at Riverton, N. J., where he will be associated with E. R. Van Leeuwen in codling-moth investigations.

MAJOR PETER BUCK, director of Maori hygiene under the New Zealand government, has been appointed director of Polynesian research by the Bishop Museum of Hawaii.

LESTER S. GRANT, dean of the faculty at the Colorado School of Mines, has been granted a leave of

absence to accept the managership of an oil field in Texas.

CHARLES E. CHAMBLISS, associate agronomist of the U. S. Department of Agriculture, in charge of rice investigations, left Washington on May 3 for Cuba, on a trip to investigate the possibilities of growing rice as a commercial crop on some of the sugar plantations of the island. His trip is made under the auspices of the Tropical Plant Research Foundation.

DR. J. J. SINGER, associate professor of clinical medicine at Washington University Medical School, St. Louis, sailed for Europe on June 17, on a tour of inspection of chest clinics in the various medical schools of England and the continent.

DR. W. F. FOSHAG, of the Smithsonian Institution and the Harvard Mineralogical Museum, left on June 6 for Mexico, where he will make a survey of mineral deposits. Last year the Smithsonian and Harvard museums sent Dr. Foshag on an initial expedition to survey and make collections from Durango, Chihuahua and other states of Northern Mexico. His present trip is in continuation of this work.

DR. ALBERT SCHNEIDER, of the North Pacific College, will make another trip into the Mohave country for the purpose of continuing his studies of the pseudo-trachoma which is endemic in that region. He will also make observations of the results following gland operations according to the method of Dr. L. L. Stanley, of the San Quentin Prison. He is continuing some tests with a high capacity ozone generator, co-operating with members of the college medical staff.

CARL O. ERLANSON, junior instructor in the department of botany of the University of Michigan, has been granted a fellowship by the American-Scandinavian Foundation for the academic year 1927-1928. Mr. Erlanson accompanies the Hobbs Expedition to Greenland in the summer of 1927, and when that expedition leaves Greenland he will proceed to Disco Island, where he will spend the winter studying the collection of Arctic plants in the herbarium in charge of Professor Porsild at that station. In the early summer of 1928 Mr. Erlanson will go to Copenhagen and continue his study of Arctic plants in the herbaria.

DR. J. J. R. MACLEOD, professor of physiology in the University of Toronto, will be the lecturer next year under the Louis Clark Vanuxen Foundation at Princeton University.

SIR JOHN RUSSELL, director of the Rothamsted Experiment Station at Harpenden, England, gave three lectures at Cornell University during May on the

work of the station and scientific investigations in soil fertility.

THE South Dakota Academy of Science held its thirteenth annual meeting at Brookings on May 20 to 21. Sir John Russell, of the Rothamsted Experiment Station, gave two addresses as follows: "Eighty Years of Rothamsted Experiments" and "The Story of British Agriculture." Friday afternoon and Saturday forenoon were devoted to the reading of papers by the members.

DR. L. BOEZ, formerly assistant to Professor Calmette and assistant director of the Pasteur Institute, Paris, recently came to the University of Montreal to lecture for ten weeks at the new Institut Scientifique Franco-Canadienne. Dr. Boez is now professor of bacteriology at the University of Strasbourg and last year worked with the American Commission which went abroad to study foot and mouth disease.

DR. F. K. RICHTMYER, professor of physics at Cornell University, addressed the Sigma Xi Club of West Virginia University on May 20. Discussing the problem of radiation in particular, he emphasized the need for greater attention to the history of science.

PROFESSOR S. C. BROOKS, head of the department of physiology at Rutgers University, addressed the seminar at the Boyce Thompson Institute on "Electrical Conductivity of Bacteria" on May 12. At the same meeting Dr. M. M. Brooks, formerly of the Hygienic Laboratory, Washington, D. C., spoke on "The Penetration of Certain Oxidation-reduction Dyes into Valonia."

PROFESSOR H. R. KRUYT, who is to be guest of honor at the Fifth National Colloid Symposium to be held at the University of Michigan June 22, 23 and 24, arrived in this country about May 1. During the past month he has given a series of lectures in Washington and Detroit, at Johns Hopkins University, Massachusetts Institute of Technology, Cornell, Oberlin College, University of Wisconsin, University of Minnesota, University of Iowa, and at the University of Michigan. After the Colloid Symposium he will remain at the University of Michigan for a series of lectures in the summer session at that institution.

LECTURES given during the past season before the Sigma Xi Club of the University of Florida included the following: by Professor A. P. Black, of the University of Florida, on "The Synthesis of Phenyl Nitro Methane"; by Professor Robert Goodwin, on "Rubber"; by Dr. L. H. Pammel, Iowa State College, on "Fundamental Training in Relation to Scientific Research"; by Dr. L. R. Jones, of the University of Wisconsin, on "Some Problems concerning Plant Disease and Disease Control," and by Dr. W. A. Mur-

rill, formerly of the New York Botanical Gardens, on "Mushrooms, Edible and Poisonous."

A SERVICE commemorative of the life and work of Professor Charles Sprague Sargent, Arnold professor of arboriculture at Harvard University since 1879 and director of the Arnold Arboretum for fifty-four years, was held on June 8. The speakers included President Lowell; William C. Endicott, trustee of the Massachusetts Horticultural Society; Mrs. John A. Stewart, Jr., president of the Garden Club of America; Ernest H. Wilson, president of the Horticultural Club of Boston and assistant to Professor Sargent for many years and now keeper of the Arboretum, and J. Horace McFarland, editor of the *Rose Annual* of Harrisburg, Pa. Roger Wolcott, until this year chairman of the committee to visit the Arnold Arboretum and an overseer of Harvard, presided. The Right Reverend William Lawrence pronounced the benediction.

THE thirty-second annual meeting of the Michigan Academy of Science, Arts and Letters was held in Ann Arbor, on April 27, 28 and 29. Nearly one hundred and fifty papers were presented before the various sections and general meetings. The new members elected number eighty-two. The following officers were elected: *President*, W. B. Pillsbury; *vice-president*, James H. Hanford; *secretary*, Lee R. Dice; *treasurer*, Robert B. Hall; *editor*, Peter Okkelberg; *librarian*, W. W. Bishop. The section chairmen chosen are: Anthropology, W. H. Worrell; Botany, Bradley M. Davis; Economics and Sociology, J. V. Van Sickle; Geography, Jerome Thomas; Geology and Mineralogy, S. G. Berquist; History and Political Science, Paul Cuncannon; Language and Literature, John G. Winter; Mathematics, Alfred L. Nelson; Psychology, C. H. Griffiths; Sanitary and Medical Science, Max Marshall; Zoology, Carl L. Hubbs.

ESTABLISHMENT of a permanent organization to be known as the International Fisheries Conservation Council of the Great Lakes was effected at a recent conference called to deal with the conservation of the fishing industry on the lakes, according to an announcement by Henry O'Malley, commissioner of the U. S. Bureau of Fisheries. The conference held on March 3, which was called by Governor Fred W. Green, of Michigan, was attended by representatives from the eight states bordering the lakes, and from the Province of Ontario, and by officials of the Bureau of Fisheries. To cope with the situation on the Great Lakes, the conference agreed upon recommendations regarding regulations and uniformity of action upon the part of the interested states. It was agreed also that wider powers should be accorded the fisheries authorities.