

health procedures pay, and how to use effectively civic groups in promoting health programs.

Sanitarians and persons interested in preventive medicine will this year have unusual opportunities to hear reports and discussions of the latest findings in their particular field, for the sessions of the week have been increased over the number of previous years.

There will be a total of 42 sessions; 31 of these will be meetings of sections of the association including health officers, industrial hygiene, food, drugs and nutrition, laboratory, public health engineering, child hygiene, vital statistics, public health education and public health nursing.

Special sessions have been arranged for the discussion of cancer, training for the public health professions, dairy products and epidemiology. The joint sessions will bring together these sections: health officers, public health nursing, child hygiene; laboratory and food, drugs and nutrition; laboratory and public health engineering; child hygiene, public health education and the health education division of the American Child Health Association. The health officers will devote one session to rural health work.

A symposium on pre-school health supervision procedures will be treated from the angle of the small town and rural areas, the small city and a limited area of a large city. Infant mortality studies, and maternal mortality, school medical and nursing service, medical service in continuation schools, sickness and absence records in the school health program and objectives of dental health education will be discussed in the child hygiene section meetings with the American Child Health Association.

The public health engineering section has planned symposia on sterilization of milk utensils, shellfish sanitation, methods of financing water supply and sewerage improvements. Atmospheric pollution by smoke and odors, useless noises and their relation to public health, and schoolroom ventilation as it is related to absenteeism will be discussed by this group. A practical problem to be presented at a session of the engineers will be carbon monoxide pollution of air in Chicago.

THE FOURTH INTERNATIONAL CONGRESS OF ENTOMOLOGY

As this is written, July 23, the plans for the congress are in practically their final form, while the program is nearly complete and will go to the printer in a few days.

The following countries are sending delegates: Argentina, Australia, Austria, Belgium, Bulgaria, Canada, Chile, China, Cuba, Czechoslovakia, Den-

mark, Egypt, Great Britain, Finland, France, Germany, Hawaii, Hungary, Italy, Ireland, Japan, Mexico, Netherlands, New Zealand, Poland, Porto Rico, Roumania, Scotland, South Africa, Spain, Sweden, United Soviet States of Russia, Norway, Guatemala, Greece, United States.

The congress opens on Monday morning, August 13, at 9 A. M. with a brief address of welcome by Dean A. R. Mann, followed by the opening address of the president, Dr. L. O. Howard, after which the congress will proceed at once with the reading of the following papers during the general Monday morning session:

"Le peuplement de l'Amérique du nord par les Trechinae." Dr. RENE JEANNEL, Vivarium, Museum national d'Histoire naturelle, Paris, France.

"Problems of Distribution and Variation of North American Fleas." Dr. KARL JORDAN, Zoological Museum, Tring (Herts), England.

"Development of Entomological Science in Egypt." Dr. HASSAN C. EFFLATOUN BEY, Plant Protection Section, Giza, Egypt.

Report by Dr. KARL JORDAN, secretary of the executive committee.

SECOND GENERAL SESSION

Tuesday, 9 A. M., August 14, 1928.

"Klima und Seuchen von Standpunkt des Entomologen." Dr. E. MARTINI, Institut für Schiffs- und Tropenkrankheiten, Hamburg, Germany.

"On the Splitting Influence of the Increase of Entomologists' Knowledge and on the Enigma of Species." Dr. WALTHER HORN, Deutsches Entomologisches Institut, Berlin-Dahlem, Deutschland.

"The Relation of Taxonomy to Other Branches." Professor F. SILVESTRI, R. Instituto superiore agrario, Portici, Napoli, Italia.

"A Neotropical Myremecophyte (*Cordia alliodora*) and its Tenants." Professor WM. M. WHEELER, Bussey Institution, Harvard University, Forest Hills, Massachusetts.

THIRD GENERAL SESSION

Thursday, 9 A. M., August 16, 1928.

"The Mutual Relationship between Museums and Experts." Dr. W. J. HOLLAND, Carnegie Museum, Pittsburgh, Pennsylvania.

"Freshwater Living Hymenopterous Parasites in Russia." Professor M. N. RIMSKY-KORSAKOV, University, Leningrad, Russia.

"Fauna of the Soil in Swedish Forests." I. TRÄGÅRDH, Experimentalfältet, Sweden.

"Insect Inhabitants of the Upper Air." Dr. E. P. FELT, Entomologist, Bartlett Research Laboratories, Stamford, Conn.

"Restrictions Enforced by the United States on Entry of Foreign Plants and Plant Products for the Pur-

pose of Excluding New and Dangerous Pests." C. L. MARLATT, chief of the Bureau of Entomology, Washington, D. C.

FOURTH GENERAL SESSION

Friday, 2 P. M., August 17, 1928.

"Evolution of Cycles and the Origin of Heteroecy in Aphids." Professor A. K. MORDVILKO, Academy of Sciences, Leningrad, U. S. S. R.

"Das Mimicryproblem und Seine Schwesterprobleme." Dr. FRANZ HEIKERTINGER, Wien, Oesterreich.

"Insect Control of Noxious Weeds." Dr. A. D. IMMS, Rothamsted Experimental Station, Harpenden, England.

"Biological Control of Noxious Weeds." Dr. R. I. FILLIARD, chief entomologist, Canberra, F. C. T., Australia.

Report of the executive committee.

Election of members for the permanent committee.

Selection of a place and date of meeting for the Fifth International Congress. Election of the president. Closing remarks by Dr. L. O. HOWARD.

The general morning sessions will be followed by the afternoon sessions, where upwards of one hundred papers will be read on the various phases of entomology, by leading authorities of foreign countries, Canada and the United States. The congress will spend Wednesday, August 13, at the State Experiment Station, Geneva, New York, where the program will be continued.

G. W. H.

SCIENTIFIC NOTES AND NEWS

DR. T. WAYLAND VAUGHAN, professor of oceanography in the University of California and director of the Scripps Institution of Oceanography, has been elected a foreign member of the Linnean Society of London. Other Americans holding this honor are Professor E. B. Wilson, of Columbia University; Professor G. H. Parker, of Harvard University; President H. F. Osborn, of the American Museum of Natural History, and Professor T. H. Morgan, of the California Institute of Technology.

DR. ISAIAH BOWMAN, director of the American Geographical Society of New York, was the recipient at Edinburgh on July 12 of the Livingstone gold medal of the Royal Scottish Geographical Society. This medal, which was instituted in 1901 by Mrs. Livingstone Bruce to commemorate her father, the great missionary-explorer, was awarded to Dr. Bowman "for his great services to geographical science."

THE council of the Royal Photographic Society has awarded the honorary fellowship of the society to E. J. Wall for outstanding achievements in photographic literature. The only other American honorary fellows

are C. E. K. Mees, S. E. Sheppard and Alfred Stieglitz.

IN recognition of his "great public service from the standpoint of human values," and particularly for his "conspicuous work in the Mississippi flood relief," Herbert Hoover has been awarded for 1927 the Major Surgeon Louis Livingston Seaman medal by the American Museum of Safety. This medal is "for the best record in the saving of life in the field of sanitation and accidents."

THE Hector medal and prize of the New Zealand Institute for 1928 has been awarded, according to *Nature*, to Professor D. M. Y. Sommerville, of Victoria University College, Wellington, for his general mathematical work and for his investigations in non-Euclidian geometry. The medal is given yearly for distinction in different branches of science in rotation, in memory of the late Sir James Hector.

AT the summer graduation of the University of Aberdeen the honorary degree of LL.D. was conferred on Emeritus Professor J. D. MacWilliam, formerly Regius professor of physiology in the university.

ON the occasion of the celebration of the centenary of the faculty of medicine at the University of Sheffield, on July 11, the honorary degree of D.Sc. was conferred on Dr. Henry H. Dale, Professor A. J. Hall, Sir Frederick Gowland Hopkins and Sir Thomas Lewis.

AT the graduation ceremonial of the University of Edinburgh on June 28, the honorary degree of doctor of laws was conferred among others on Sir John Rose Bradford, president of the Royal College of Physicians, London; Professor F. G. Donnan, professor of general chemistry in the University of London; Professor J. Cossar Ewart, professor emeritus of natural history in the University of Edinburgh; Dr. R. A. Fleming, president of the Royal College of Physicians, Edinburgh; Dr. G. L. Gulland, professor emeritus of medicine in the University of Edinburgh; Mr. J. A. Hood, founder of the James A. Hood chair of mining in the University of Edinburgh, and Professor Niels Bohr, professor of theoretical physics at the University of Copenhagen.

DR. PAUL WALDEN, professor of chemistry in the University of Rostock, has been elected a foreign member of the Royal Academy of Sciences at Stockholm.

DR. ALFRED PHILIPPSON, professor of geography at the University of Bonn, has been elected an honorary member of the Royal Italian Geographical Society and of the Vienna Geographical Society.