

Oceanographic Laboratory, established by Harry Payne Bingham, Yale, 1910, of New York City, will take up the general study of the fishes found along the middle Atlantic coast of the United States. Albert E. Parr, assistant curator of zoology at Yale in charge of the Bingham Collection, will leave within a few days for Cape May, New Jersey, where the work will be concentrated and continued throughout the summer. Collections of fish eggs and larvae obtained by other expeditions of the Bureau of Fisheries within the region from Delaware Bay to Cape Cod will also be received for study at the oceanographic laboratory as a part of the general program. Mr. Parr writes:

While the investigation of the very rich collections of tropical coral reef and deep-sea animals brought back from the three oceanographic expeditions conducted by Mr. Bingham, and now deposited in the Peabody Museum at Yale, is still being continued, this work has progressed so far that other problems can also be taken up. In a realization of the high scientific interest and great practical value of the investigations carried on by the United States Bureau of Fisheries, an offer of cooperation has been extended to that institution, and a research program has been developed. According to this program, the Bingham Oceanographic Laboratory will take over the general study of the spawning, hatching and early life history of the fishes found along the middle Atlantic coast of the United States.

Of particular interest at the present time is the question of where the weakfish goes to spawn. In spite of the fact that this species is commercially most important and one of the commonest within the region, the exact nature of its spawning grounds and the conditions under which the new year classes of weakfish hatch and develop remain unknown. It is believed, however, that the spawning must take place mainly in inshore waters. The first problem to be undertaken is a search for the spawning grounds of the weakfish and for this purpose the Bureau of Fisheries will this summer put a boat and crew at our disposal. The investigations, during the coming season, will be mainly concentrated in the region around Cape May, New Jersey, since practically every type of inshore waters is here accessible within cruising radius from a fixed base.

In addition to the spawning of the weakfish, the spawning grounds of the other species occurring in the region will also be studied as comprehensively as the collected material will permit, and the findings will be correlated, as far as possible, with the physical and chemical conditions of the sea, in an effort to contribute something to our understanding of the factors controlling the spawning and subsequent development of the various species.

INFORMATION ON INTERNATIONAL CONGRESSES TO BE HELD IN 1930

THE council of the American Association for the Advancement of Science recently appointed a committee to assemble information for the benefit of American men and women of science planning to attend

international congresses outside the United States in 1930. The committee consists of C. O. Appleman, G. H. Coons, F. H. Grindley, A. S. Hitchcock (secretary) and A. G. McCall.

The following information concerning several international congresses to be held in 1930 has reached the committee, though in some cases the data are not complete:

The Fifth International Botanical Congress meets at Cambridge, England, August 16 to 23, with excursions during the following week. Secretaries, Dr. F. T. Brooks, 31 Tenison Ave., Cambridge, England, and Dr. T. F. Chipp, Royal Botanic Gardens, Kew, England.

The International Congress of Soil Science meets at Leningrad, U. S. S. R., June 10 to 20 (the dates are provisional). American representative, Dr. A. G. McCall, U. S. Department of Agriculture, Washington, D. C.

The World's Fourth Poultry Congress to be held in the Crystal Palace, London, England, July 22 to 30. Chairman of Subcommittee for United States is Mr. Harry R. Lewis, East Greenwich, R. I.

The Ninth International Horticultural Congress to be held at London, England, August 7 to 15. American Pomological Society representative, W. T. Macoun, Central Experimental Farm, Ottawa, Canada.

The International Geodetic and Geophysical Union to be held at Stockholm, Sweden, August 17 to 25. Secretary, Colonel H. S. L. Winterbotham, British War Office, S. W. 1, London, England.

The Seventh International Congress of the History of Medicine to be held at Rome, Italy, September. Representative in United States, Dr. Edward B. Krumbhaar, School of Medicine, University of Pennsylvania, Philadelphia, Pa.

The Ninth International Congress of Actuaries to be held at Stockholm, Sweden, June 16 to 20.

The International Exposition of Science, Applied Science and Industry to be held at Liège, Belgium, April to October.

The Fifth International Congress of Aeronautics to be held at The Hague, Netherlands, August.

The Second Plenary World Power Conference to be held at Berlin, Germany, June.

The International Exposition of Hygiene to be held at Dresden, Germany, May.

The International Week of Therapeutic Light to be held at Paris, France, July 22 to 27.

The Fifth International Moral Educational Conference to be held at Paris, France, spring.

The International Electrochemical Commission to be held at Stockholm, Sweden.

The World Engineering Congress to be held at Tokyo, Japan. Executive Secretary, Maurice Holland, 29 West 39th St., New York City.

The International Congress on Malaria to be held at Algiers, Algeria, May.

The committee would be glad to have the data completed where lacking in the above announcements and

would appreciate information on other international congresses to be held in 1930. We wish to have the date of the meeting and the address of the executive officer, preferably the American representative.

The committee can not undertake to make arrangements for obtaining passage on steamers nor for other details concerning travel. Those proposing to attend any of these congresses would do well to obtain reservations for passage at an early date, as the meetings are mostly held during the peak of the summer ocean travel. Prospective travelers may procure reservations from the steamship companies or their agents or they may procure them through one of the many travel agencies.

The committee hopes to issue a more detailed statement next autumn.

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SYMPOSIUM ON PHYSIOLOGY AND BIOCHEMISTRY

TAKING advantage of the meeting in Boston of the International Physiological Congress, the University of Minnesota, through its medical school and the Mayo Foundation, will conduct a program in physiology and biochemistry between July 15 and August 15, 1929. The following foreign scholars will be present:

Professor M. von Frey, professor of physiology and director of the Physiological Institute, Würzburg, Germany. His work on the physiology of the special senses is internationally recognized.

Professor Otto Meyerhof, of the Kaiser-Wilhelm Institute for Biology, Berlin, Germany. Dr. Meyerhof is noted in the field of general physiology and received (in company with Hill, of London) the Nobel Prize for his work on muscle.

Professor T. Thunberg, of the University of Lund, Sweden, investigator of vital oxidation phenomena, artificial respiration and metabolism.

Professor G. Anrep, lecturer in physiology, Cambridge, England. Dr. Anrep was associated with Professor Pavlov in Petrograd for several years and will lecture on conditioned reflexes.

Professor E. Laquer, director of the pharmacotherapeutic laboratory of the University of Amsterdam, Holland. His researches have been on sex hormones and related problems.

Professor Waldschmidt-Leitz, German Technical High School, Prague, Czecho-Slovakia. Until recently he was an associate of Professor Willstätter, in Munich, and his field is enzyme chemistry.

Each guest scientist will deliver several lectures in English on subjects of his choice and in the field of his special research. Each will conduct one or more weekly seminars and have an office where he will be

available for consultation. The detailed program will be issued later. No fees will be charged. Credit for attendance by graduate students of this or other universities will be in the discretion of their advisers. Staff members and students of medical schools, physicians, psychologists, biologists, chemists and all others are invited. Board and lodging at moderate rates will be available. Recreational facilities are abundant in Minneapolis and vicinity. Correspondence should be addressed to The Dean, Medical School, University of Minnesota, Minneapolis, Minn.

ELECTIONS TO THE AMERICAN ACADEMY OF ARTS AND SCIENCES

At the meeting of the American Academy of Arts and Sciences held in Boston, May 8, the annual election of fellows and of foreign honorary members was announced.

The fellows elected in class I, mathematics, the physical sciences and engineering are:

J. A. Beattie, assistant professor of physico-chemical research, Massachusetts Institute of Technology.

C. J. Davisson, the Bell Telephone Laboratories, New York.

A. C. Hardy, associate professor of optics and photography, Massachusetts Institute of Technology.

Marston Morse, associate professor of mathematics, Harvard University.

W. S. Sims, Rear-Admiral U. S. N. (retired). In command of U. S. naval forces in European waters during the World War.

J. L. Walsh, assistant professor of mathematics, Harvard University.

A. E. Wells, professor of metallurgy, Harvard University.

Fellows in class II, the geological and biological sciences and medicine:

J. B. Ayer, clinical professor of neurology, Harvard University.

Kirk Bryan, assistant professor of physiography, Harvard University.

L. R. Cleveland, assistant professor of protozoology (tropical medicine), Harvard University.

Hallowell Davis, assistant professor of physiology and chairman of the board of tutors in the division of biology, Harvard University.

J. H. Faull, professor of forest pathology, Harvard University.

Joseph Grinnell, professor of zoology and director of the museum of vertebrate zoology, University of California.

Leigh Hoadley, assistant professor of zoology, Harvard University.

E. A. Locke, clinical professor of medicine, Harvard University.

E. H. Wilson, keeper of the Arnold Arboretum, Harvard University.