

# Meetings and Societies

## Theoretical and Applied Limnology

The 13th congress of the International Society of Theoretical and Applied Limnology met in Finland from 27 July to 7 Aug. About 380 members and guests were registered from 38 countries, making this congress the largest in the history of the society. For the first time in many years, there was a good representation from the central and eastern European countries. Following the opening business session in Helsinki, the Edgardo Baldi memorial lecture, "Production, reproduction, and yield," was delivered by W. E. Ricker (Canadian Fisheries Research Board, Nanaimo).

The first 7 days of the meetings were devoted mainly to 120 short research papers; most of these were read in lecture rooms of the Forestry Building at the University of Helsinki. Contributions can be roughly grouped into six major categories: lake typology, fisheries, brackish waters and osmoregulation, lake and river pollution, botanical papers, and miscellaneous zoological papers.

Problems of lake typology were presented from a wide variety of chemical, physical, and biological viewpoints, and the discussions revealed a great divergence of opinion regarding the relative soundness of various typological criteria. Fish papers emphasized reproduction, spawning, and development. Brackish-water contributions dealt chiefly with osmoregulation and relative tolerances of fresh-water and marine invertebrates, especially in the Baltic and Mediterranean areas. In view of Finland's extensive paper industry, sulfite pollution of lakes and streams received special attention. Demonstration trips on the research vessel *Aranda* and sightseeing tours of the skerries off Helsinki were also conducted during the first week.

Following the Helsinki sessions, most of the congress registrants participated in a 5-day congress excursion in southwestern Finland by train, bus, and boat. A wide variety of lakes were visited as well as paper factories, pollution sites, and the Tvärminne Zoological Station in its unique situation in the complicated system of skerries of the Gulf of Finland.

Upon returning to Helsinki, the congress registrants met in final business session. U. D'Ancona (Italy) was elected president, and T. T. Macan (England) continues as secretary-treasurer. The 14th congress is scheduled to meet in Austria in 1959.

An 8-day post-congress excursion by train, bus, and boat took about 120 participants from Helsinki through eastern and northern Finland as far as Tornio or Kilpisjärvi. Noteworthy lakes and streams, as well as paper and plywood factories, polluted areas, copper mines, and hydroelectric stations, were visited.

An outstanding feature of the congress and the excursions was the precise timing and highly commendable organization, especially in view of the complex meal and travel facilities necessary for such a large group during field trips and excursions.

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## Meeting Notes

■ At the recent meeting of the Ecological Society of America at Storrs, Conn., a Section of Animal Behavior and Sociobiology was formally organized. The purpose of this section is to advance, coordinate, and assist research and publications on the subject of animal behavior and social organization basic to theoretical science and human welfare, and to act as a liaison agency between workers in the various scientific fields concerned. At its first organizational meeting, the section elected the following officers: chairman, J. P. Scott of Roscoe B. Jackson Memorial Laboratory; vice chairman, A. M. Guhl of Kansas State College, and secretary, M. W. Schein of Pennsylvania State University.

The section immediately concerned itself with three major problems in the field of behavior studies: publications, terminology, and teaching. Lester R. Aronson, the American Museum of Natural History, was named as chairman of a committee to continue the search for new publication outlets for papers dealing with animal behavior. A. M. Guhl, Kansas State College, was appointed chair-

man of a Committee on Glossary and Terminology designed to help alleviate the confusion caused by coining new terms or misusing old ones. W. N. Etkin, Albert Einstein College of Medicine, was named as chairman of a committee to look into the needs and possibilities of publishing a textbook on animal behavior and sociobiology aimed at the upper-class or early graduate student level.

A tentative list of members of the section shows a wide variety of interests, covering every form of animal life as well as the more generalized biological fields. Persons interested in any phase of behavior studies are invited to become members. Any member of any class of the Ecological Society of America may become a member merely by writing to the secretary of the section; there are no additional dues. Others may join the section by becoming members of the Ecological Society (associate member: \$2) and then informing the secretary of the section of their action. Further information may be obtained from the secretary.

■ Seventeen scientists from eight foreign countries will be among 52 leaders in ozone research who will speak at the first International Ozone Conference to be held in the United States. They will present 20 of the 60 papers on the fundamental and applied chemistry of ozone that will be delivered at the conference, which will take place 28-30 Nov. at the Sheraton Hotel in Chicago, Ill. The National Science Foundation is cooperating with Armour Research Foundation of Illinois Institute of Technology and other American sponsors in bringing the scientists to America. The speakers from each of the countries follow.

*Germany.* W. Partmann of the State Research Institute for Food Processing, Karlsruhe; R. Criegee, Institute for Organic Chemistry, Karlsruhe; and A. Ehmert of Max Planck Institute, Weissenau.

*Switzerland.* Albert Torricelli, a consultant on chemistry and hygiene in Berne; and Emile Briner of the University of Geneva.

*France.* P. Guinvarc'h, chief engineer of the Paris Municipal Water Works; P. Frison of Paris, water filtration plant engineer for Trailigaz, which builds and operates water plants; and Andre Bernanose of the University of Nancy.

*England.* R. M. Goody, department of meteorology, Imperial College, London; R. W. Lunt, honorary lecturer on chemical engineering, University College, London; and A. W. Brewer, Clarendon Laboratory, Oxford.

*Japan.* Hiroshi Otsuki, managing director of Nippon Ozone Company, Tokyo; E. Inoue, Tokyo Institute of Technology, and Y. Miyaka, of the Meteorological Research Institute, Tokyo.

*Holland.* J. P. Wibaut, director of organic chemistry research laboratory, University of Amsterdam.

*India.* N. A. Ramaiah, head of the department of physical chemistry, Indian Institute of Sugar Technology, Kampur.

*Argentina.* Hans Schumacher, director of the research institute at the University of LaPlata at LaPlata.

In addition, a paper prepared by L. Mester of the University of Technical Sciences at Budapest, Hungary, will be read.

American participants in the conference will represent a broad range of organizations concerned with developments in ozone research, including colleges and universities, research institutions, industrial concerns, and national and city government. A major purpose of the conference, according to its chairman, Clark E. Thorp, manager of Armour Research Foundation's chemistry and chemical engineering research department, will be consideration of industrial applications of ozone, both current and potential, as well as the fundamental chemistry of ozone and its biological effects. For additional information, write to Sidney Mittler, Armour Research Foundation, 10 W. 35 St., Chicago 16, Ill.

■ The seventh Conference for Agricultural Services in Foreign Areas, sponsored by the U.S. Department of Agriculture, the International Cooperation Administration, and the land-grant colleges, was held 22-24 Oct. in Washington, D.C. Other participants were the State Department, various private foundations, agricultural attachés of foreign embassies, and interested private firms.

■ The Flavor Laboratory of Arthur D. Little, Inc., will inaugurate, on 19 Nov., a series of symposia on flavor research as a part of the company's 70th anniversary celebration. The first symposium, to be held in Cambridge, Mass., will present a broad picture of the current state of flavor research and its industrial applications. Little has engaged in flavor and odor research for more than a quarter of a century. Because this field has grown so rapidly in recent years, A.D.L. is sponsoring this series of 1-day conferences to enable those with a professional interest in the field to keep abreast of developments.

At the first symposium, Lloyd M. Beidler, head of the physiology department at Florida State University, and Carl Pfaffman, professor of psychology at Brown University, will examine the basis of taste and smell. Taste testing in the laboratory and for consumers will be reviewed by Ernest E. Lockhart, scientific director of the Coffee Brewing Institute, and George F. Garnatz, director of the Kroger Food Foundation. Eric J.

Hewitt, vice president of Evans Research and Development Corporation, will discuss applications of physiochemical research on flavor.

In the evening, the group will hear Richard L. Hall, McCormick and Company's research director; Robert Heggie, vice president of the American Chicle Company; and Robert K. Hower, research director of the National Biscuit Company, tell of positive approaches their companies have taken to flavor problems. Three other conferences concerned with laboratory flavor testing, consumer testing, and physiochemical research on flavor are planned for next year.

### Society Elections

■ Arctic Branch, Alaska Division, AAAS: pres., Ivar Skarland, University of Alaska; v. pres., Charles J. Keim, University of Alaska; sec.-treas., Carol Juedes, Geophysical Institute, University of Alaska.

■ Association for Computing Machinery: pres., J. W. Carr, III, University of Michigan; v. pres., R. W. Hamming, Bell Telephone Laboratories; sec., J. Moshman, Bell Telephone Laboratories; treas., C. Concordia, General Electric Company.

■ Botanical Society of America, Inc., 1957: pres. George S. Avery, Brooklyn Botanic Garden, Brooklyn, N.Y.; v. pres., Paul Weatherwax, Indiana University; sec., Harold C. Bold, Vanderbilt University, Nashville 5, Tenn.; treas., Harry J. Fuller, University of Illinois, Urbana.

■ American Society of Parasitologists: pres., Gilbert F. Otto, Abbot Laboratories; pres.-elect, A. C. Walton, Knox College; v. pres., Allen McIntosh, Agricultural Research Service, U.S. Department of Agriculture; sec., Paul E. Thompson, Parke-Davis and Co.; treas., Robert M. Stabler, Colorado College.

■ American Society of Civil Engineers: pres., Mason G. Lockwood, Lockwood, Andrews and Newman, Houston, Tex. The vice presidents are Francis S. Friel, Albright and Friel, Inc., and Norman R. Moore, Mississippi River Commission.

### Forthcoming Events

#### November

26-28. American Soc. of Refrigerating Engineers, Boston, Mass. (R. C. Cross, ASRE, 234 Fifth Ave., New York 1.)

26-30. Automation Exposition, 3rd intern., New York, N.Y. (TIAE, Richard

Rimbach Associates, Inc., 845-A Ridge Ave., Pittsburgh 12, Pa.)

27-30. American Medical Assoc., clinical, Seattle, Wash. (G. F. Lull, AMA, 535 N. Dearborn St., Chicago 10, Ill.)

27-30. National Chemical Exposition, 9th, Cleveland, Ohio. (American Chemical Soc., 1155 16 St., NW, Washington 6, D.C.)

28-30. American College of Cardiology, 5th interim, Pittsburgh, Pa. (P. Reichert, ACC, Empire State Bldg., New York, N.Y.)

28-30. International Conf. on Ozone, 1st, Chicago, Ill. (C. E. Thorp, Armour Research Foundation, 35 W. 33 St., Chicago 16.)

29-30. Veterinary Symposium on "Meti-Steroids," New York, N.Y. (J. C. Siegrist, Schering Corp., Bloomfield, N.J.)

30. American Rheumatism Assoc., Bethesda, Md. (E. F. Hartung, 580 Park Ave., New York, N.Y.)

30-1. Oklahoma Acad. of Science, Stillwater. (D. E. Howell, Entomology Dept., Oklahoma A. & M. College, Stillwater, Okla.)

30-1. Tennessee Acad. of Science, Murfreesboro. (D. Caplenor, Dept. of Biology, Peabody College, Nashville 4, Tenn.)

#### December

2. American Acad. of Dental Medicine, 11th mid-annual, New York, N.Y. (A. Reiner, 114-01 201 St., St. Albans 12, N.Y.)

2-7. Radiological Soc. of North America, Inc., annual, Chicago, Ill. (D. S. Childs, 713 E. Genesee St., Syracuse 2, N. Y.)

3-8. International Cong. on Rockets and Guided Missiles for Continental and Telecommunications Connections, Paris, France. (Assoc. for the Encouragement of Aeronautical Research, rue de Courty 1, Paris 7<sup>e</sup>.)

5. Recent Advances in the Chemistry of Natural Products, 8th annual Ciba Foundation Lecture, London, England. (G. E. W. Wolstenholme, 41 Portland Place, London, W.1.)

5-7. Instrumentation Conf., 2nd, Inst. of Radio Engineers, Atlanta, Ga. (M. D. Prince, Engineering Experiment Station, Georgia Inst. of Technology, Atlanta.)

6. Amino Acid Imbalance in Nutrition, Assoc. of Vitamin Chemists, Chicago, Ill. (M. Freed, Dawe's Laboratories, Inc., 4800 S. Richmond St., Chicago 32.)

6-7. American Astronautical Soc., 3rd annual, New York, N.Y. (N. V. Petersen, AAS, 516 Fifth Ave., New York 36.)

6-8. American Phytopathological Soc., annual, Cincinnati, Ohio. (G. S. Pound, Dept. of Plant Pathology, Univ. of Wisconsin, Madison.)

6-9. American Psychoanalytic Assoc., New York, N.Y. (J. N. McVeigh, APA, 36 W. 44 St., New York 36.)

7-8. Association for Research in Nervous and Mental Disease, annual, New York, N.Y. (R. J. Masselink, 710 W. 168 St., New York 32.)

8-11. American Acad. of Optometry, annual, Houston, Tex. (C. C. Koch, 1506 Foshay Tower, Minneapolis 2, Minn.)

(See issue of 19 October for comprehensive list)