

*Wednesday morning, September 14.* Chemical Methods for the Estimation of Steroid Hormones and their Metabolites: Lewis Engel, Massachusetts General Hospital.

### III. PITUITARY PHYSIOLOGY AND FUNCTION

*Thursday morning, September 15.* Pituitary Control of Steroid Secretions: Roy O. Greep, Harvard School of Dental Medicine.

*Thursday morning, September 15.* The Present Status of Posterior Lobe Hormones: Robert L. Noble, University of Western Ontario.

### IV. HUMORAL MEDIATORS IN NERVOUS TRANSMISSION

*Thursday evening, September 15.* Sympathetic Neurohumors: M. L. Tainter and F. P. Luduena, Sterling Winthrop Research Institute.

*Friday morning, September 16.* The Acetylcholine System in Neural Function: Ralph W. Gerard, University of Chicago.

### V. HORMONES AND TUMORS

*Friday morning, September 16.* Experimental Endocrine Tumors: George W. Woolley, Roscoe B. Jackson Memorial Laboratory.

*Friday evening, September 16.* The Virilizing Syndrome in Man: Loris J. Soffer, J. Lester Gabrilove, Joseph W. Jailer, and Mildred D. Jacobs, Mount Sinai Hospital.

### VI. MECHANISMS OF HORMONE ACTION

*Saturday morning, September 17.* Effects of Hyperglycemic Factors of the Pancreas and of Epinephrine on Glycogenolysis: Earl Sutherland, Washington University, St. Louis.

*Saturday morning, September 17.* Hormone-Enzyme Relationships: Roland K. Meyer, University of Wisconsin.

Attendance is limited by the available hotel accommodations, but the Committee on Arrangements invites applications for attendance from interested investigators and specialists in the hormone field. The Committee consists of R. W. Bates, E. R. Squibb & Company; E. C. Reifstein, Jr., Sloan-Kettering Institute; A. White, School of Medicine, University of California at Los Angeles; and G. Pincus, Chairman, The Worcester Foundation for Experimental Biology. Applications for attendance should be sent to the Chairman at 222 Maple Avenue, Shrewsbury, Massachusetts, and must be received by June 6.

The Springfield chapter of the AAAS met March 31 at American International College. Dr. S. A. Simon, Chicopee Manufacturing Company chemist, spoke on the subject of fibers, discussing their synthesis, structure, function, and purposes, in nature and in the laboratory, and the techniques used to study them.

## NEWS and Notes

Charles E. Sando, U. S. Department of Agriculture plant chemist, has been named project advisor for USDA Research on Crop Utilization, Bureau of Agricultural and Industrial Chemistry. Dr. Sando succeeds Cornelius E. Senseman, recently retired.

Robert A. Kehoe, of the University of Cincinnati, has received the Knudsen Award of the American Chemical Association of Industrial Physicians and Surgeons for his work in the field of industrial medicine. The award was made at the Association's annual convention held in Detroit, April 7.

Robert Lindley Murray, executive vice president of the Hooker Electrochemical Company, Niagara

Falls, New York, has been awarded the 1949 Jacob F. Schoellkopf Medal of the Western New York Section of the American Chemical Society. Dr. Murray was cited for his engineering ability and his able direction of chemical research and development in the chlorine and alkali industry.

Gregor Wentzel, University of Chicago physicist, will be a visiting professor at Stanford University during the summer quarter. While there he will offer a course on recent developments in quantum electrodynamics.

The National Academy of Sciences made the following awards at its annual dinner held April 26 in Washington, D. C.: The Cyrus B. Comstock Prize of \$3,500 to Merle A. Tuve, director, Department of Terrestrial Magnetism, Carnegie Institution of Washington, D. C., for his work in nuclear physics, geophysics, and development of the proximity fuse; the James Craig Watson gold medal and honorarium to Samuel Alfred Mitchell, director of the

Leander McCormick Observatory, University of Virginia, for his many services to astronomy; the Mary Clark Thompson gold medal and honorarium, in absentia, to Frank McLearn, of the Canadian Geological Survey, in recognition of his contribution to geologic science; and the Public Welfare Medal to George Harrison Shull, professor emeritus of botany and genetics, Princeton University, in recognition of his improvement of the maize crop.

Ernst Mayr, curator of the Whitney-Rothschild Collections of the American Museum of Natural History, is serving as guest lecturer in the Department of Zoology at the University of Minnesota for the spring quarter and is offering a graduate course on the "Origin of Species and Other Problems of Evolution."

Arvid Lundquist, president of the American Society of Swedish Engineers in New York, has been awarded the Swedish Royal Order of Vasa, with the rank of knight.

**William T. Salter**, chairman, Department of Pharmacology, Yale University School of Medicine, was awarded the first \$1,000 Iodine Educational Bureau award (see *Science*, September 17, p. 298) at the recent annual meeting of the American Pharmaceutical Association.

**Robert W. Kleemeier**, professor of psychology at Northwestern University, has been appointed director of the newly established laboratory for gerontology and geriatrics at Moosehaven, Florida, effective September 15.

**Frans Verdoorn**, botanist, has resigned as director of the Los Angeles State and County Arboretum at Arcadia, California, and will resume his editorial work at Waltham, Massachusetts. He will continue to serve the arboretum as a counselor.

## Fellowships

The U. S. Atomic Energy Commission has instituted fellowships to be granted to qualified investigators who wish to work with radioactive isotopes at the Marine Biological Laboratory this summer. Each fellow will receive \$250, and round trip traveling expenses from his university. Laboratory fees will be paid by the Commission. The work with isotopes will be under the general supervision of G. Failla, of the Department of Radiology, Columbia University. Applications should be addressed to Dr. Charles Packard, Marine Biological Laboratory, Woods Hole, Massachusetts.

The Allied Chemical and Dye Corporation announces renewal of its 31 graduate fellowship offerings for 1949-50, mainly in the fields of chemistry and chemical engineering. Each fellowship provides \$1,200 and tuition. Recipients of the awards and the research to be conducted are to be selected by the 24 schools to which the fellowships have been offered: University of California, California Institute of Technology, Carnegie Institute of Technology, University of Chicago, Columbia University, Cornell University, Duke University, Harvard University, University of Illinois, University of Iowa, McGill University, Massachusetts Institute of Technology, Uni-

versity of Michigan, University of Minnesota, Northwestern University, Ohio State University, Pennsylvania State College, University of Pennsylvania, Polytechnic Institute of Brooklyn, Princeton University, Purdue University, Syracuse University, University of Wisconsin, and Yale University.

## Colleges and Universities

Tulane University School of Medicine has announced the appointment of six faculty members to the staff of its newly reorganized department of psychiatry and neurology. They are: Robert G. Heath, chairman and professor of psychiatry and neurology; Robert Hodes, professor of experimental neurology; Norman H. Rucker and Theodore Treuting, assistant professors of psychiatry; Frank Garcia, instructor in neurology and neurosurgery; and David Freedman, assistant in neurology.

The United States Geological Survey will soon establish a new coal geology laboratory at Ohio State University, to be ready by this summer. The new laboratory is intended to bring together field and laboratory phases of coal investigations, and to facilitate the study of fossil plants that compose coal.

The University of California has announced that funds have been appropriated for a low-temperature laboratory at Davis to cost \$1,000,000.

## Summer Programs

The Massachusetts Institute of Technology announces a summer program in Food Technology, June 13-July 1, under the direction of William L. Campbell, head of the Department of Food Technology; Cecil G. Dunn, associate professor of Industrial Microbiology; Ernest E. Lockhart, assistant professor of Food Chemistry; Robert S. Harris, professor of Biochemistry of Nutrition; and Bernard E. Proctor, director, Samuel Cate Prescott Laboratories of Food Technology. Inquiries regarding registration should be sent to Prof. B. E. Proctor, Room 20-C-

130, M. I. T., Cambridge, Massachusetts.

Ohio State University's Stone Laboratory at Put-in-Bay, Ohio, will offer eight courses during the first six-week term which opens June 21. Scheduled courses include both undergraduate and advanced studies in fish ecology, higher aquatic plants, invertebrate zoology, aquatic entomology, limnology, algology, ornithology, and fish physiology. Special problems and research will be undertaken during the second six-week term beginning July 28. Interested students should communicate with the laboratory regarding enrollment.

The Northeastern Section of the Botanical Society of America will hold its third annual summer excursion in Michigan August 20-28, under the auspices of the Cranbrook Institute of Science and the Botany Department of the University of Michigan. Registration by members will be accepted by Elzada U. Clover, Department of Botany, University of Michigan, Ann Arbor, until July 15. Nonmember registrations will be accepted if space is available. Further information may be obtained from Prof. Clover.

## Meetings and Elections

The American University announces a five-day Institute on Scientific Research and Development, to be held June 5-10 in Washington, D. C., with the cooperation of the National Research Council and the AAAS. Persons engaged in administration of scientific research and development activities are eligible to attend the Institute.

Five major areas will be explored during several sessions of lectures and group discussions devoted to specific problems in (1) research organization, (2) the administrative process, (3) research personnel, (4) aids to research, and (5) the research product. Program plans have been developed by a committee from the three participating institutions: M. H. Trytten and Raymond L. Zwemer, National Research Council; Howard A. Meyerhoff and S. B. Fracker, AAAS; Catheryn Seckler-Hudson, George P. Bush and Lowell

H. Hattery, The American University.

Inquiries about the Institute should be directed to Lowell H. Hattery, The American University, 1901 F Street, N.W., Washington 6, D. C.

**The American Academy of Neurology** will hold its first annual meeting in French Lick Springs, Indiana, June 1-3. A. B. Baker, professor of neurology, University of Minnesota, is president of the newly formed organization.

**The American Society for the Study of Sterility** will hold its fifth annual conference at the Hotel Strand, Atlantic City, New Jersey, June 6-7. The registration fee of \$10 includes the detailed program containing abstracts of papers to be presented. Registration should be made in advance since seating capacity is limited. Address requests to Walter W. Williams, Secretary, 20 Magnolia Terrace, Springfield, Massachusetts.

**The Mathematical Association of America** will hold a joint meeting with the Mathematics Division of the American Society for Engineering Education June 20-21 at the Rensselaer Polytechnic Institute, Troy, New York. The association will also meet at the University of Colorado, Boulder, on August 29-30.

Centre National de la Recherche Scientifique has announced two forthcoming conferences: one on **morphogenesis**, to be held in Strasbourg, July 5-12, and one on **adsorption and heterogeneous kinetics**, to be held in Lyon, September 12-17. U. S. scientists invited to participate in the Strasbourg conference are: P. R. White, Institute for Cancer Research, Philadelphia; F. Skoog, University of Wisconsin, Madison; and P. Weiss, Department of Zoology, University of Chicago. Those who will take part in the Lyon conference are Hugh S. Taylor, of the Frick Chemical Laboratory, Princeton University, and Paul H. Emmett, Mellon Institute of Industrial Research, Pittsburgh.

**The International Union for the Scientific Study of Population** will hold its first official assembly since the war, in Geneva, Switzerland, August 27-September 3. At the re-

quest of Unesco, two special sessions of the assembly will be devoted to considering the cultural assimilation of immigrants. Further information regarding the assembly may be obtained from Frank Lorimer, Administrative Director, International Union for Scientific Study of Population, American University, Washington 16, D. C.

**The Mellon Institute and the University of Pittsburgh's School of Medicine** will hold their second annual symposium on orthopedic appliances at the institute September 19-24. The symposium will be open to invited orthopedic physicians, surgeons, and technologists. Inquiries concerning attendance and program should be addressed to the Orthopedic Appliance Fellowship, Mellon Institute, 4400 Fifth Avenue, Pittsburgh, Pennsylvania.

**The Southeastern Section of the American Physical Society** elected the following officers at its annual meeting held at Clemson Agricultural College, Clemson, South Carolina, April 15-16: J. H. Howey, Georgia Institute of Technology, Atlanta, chairman; W. G. Pollard, Oak Ridge Institute of Nuclear Studies, Oak Ridge, vice chairman; Dixon Callihan, Carbide and Carbon Chemicals Corporation, Oak Ridge, secretary; Hugh F. Henry, Carbide and Carbon Chemicals Corporation, treasurer; and Francis G. Slack, Vanderbilt University, member of the executive committee.

**The Wisconsin Academy of Sciences, Arts, and Letters** held its 79th annual meeting April 19-20 at the University of Wisconsin, as part of the university's centennial program. The following officers were elected for the 1949-50 academic year: Robert K. Richardson, professor of history and archivist, Beloit College, Beloit, president; Allen Abrams, Marathon Paper Company, Rothschild, vice president in science; Lucia R. Briggs, Milwaukee-Downer College, Milwaukee, vice president in arts; R. M. S. Heffner, professor of German, University of Wisconsin, vice president in letters; H. O. Teisberg, State Historical Society, Madison, librarian; Banner Bill Morgan, associate professor of veterinary

science, University of Wisconsin, secretary-treasurer.

## NRC News

The newly reorganized **Agricultural Board of the Division of Biology and Agriculture**, National Research Council, held its first meeting April 11 at the National Academy of Sciences. The Agricultural Board will be an independent scientific review body whose announced purposes are: to advance and interpret scientific knowledge pertaining to agriculture, to initiate and provide recommendations relative to agriculture, and to disseminate technical and deliberative conclusions among the proper agencies and population groups.

Roy C. Newton, director of research for Swift and Company, Chicago, is chairman of the new board. Leonard A. Maynard, director of the Cornell University School of Nutrition, is vice-chairman, and LeRoy Voris of the NRC Food and Nutrition Board is acting executive secretary. Other members are: R. V. Boucher, Pennsylvania State College; J. S. Davis, Food Research Institute of Stanford University; H. R. Guilbert, University of California; W. A. Hagan, New York State Veterinary College, Cornell University; W. E. Krauss, Agricultural Experiment Station, Wooster, Ohio; W. J. Loeffel, College of Agriculture, Nebraska; L. C. Norris, Cornell University; B. T. Simms, Bureau of Animal Industry, U. S. Department of Agriculture; and W. W. Spink, University of Minnesota Medical School. It is expected that several more members will be added to the board to insure balance in all agricultural fields.

The present committees of the Agricultural Board are on Animal Health; Public Health Aspects of Brucellosis; Animal Nutrition; Feed Composition; Production, Distribution, and Quality of Milk; and Veterinary Services. Most of the committees have been in existence and active for some time prior to the reorganization of the board. The Committee on Animal Nutrition and its subcommittees have published *Recommended Nutrient Allowances* for poultry, swine, dairy cattle, beef

cattle, and sheep; these have been widely accepted as standard and published in textbooks.

The Feed Composition Committee has recently made a survey of the nutritive value of hybrid corn, including vitamin, mineral, and proximate protein analyses. About 350 samples from different sources were investigated over a two-year period.

The Committee in Public Health Aspects of Brucellosis works in collaboration with the Division of Medical Sciences of the NRC. This committee, which estimates that brucellosis costs the livestock industry nearly \$100 million annually, has published three reports on the disease, and is preparing definitive statements on the eradication of brucellosis in domestic animals and on the diagnosis of human brucellosis.

**The Indiana Science Talent Search**, sponsored by the *Indianapolis Times*, the Indiana Academy of Science, and the Indiana Junior Academy of Science, honored 20 promising contenders for the Westinghouse Science Scholarships at the first Indiana Junior Scientists' Assembly, held in Indianapolis, March 26. The Indiana project is a part of the Eighth Annual Talent Search conducted by Science Clubs of America, a Science Service activity.

The 20 finalists, including the eight National Honorable Mentions, were interviewed during the morning by the talent search committee and in the afternoon exhibited the experimental equipment they had used in preparing their essays. Walter Leckrone, editor of the *Indianapolis Times*, presided at an Honors Luncheon, attended by more than 200 people. Karl Lark-Horovitz, head of the Department of Physics at Purdue University, addressed the group on "Science of the 20th Century." Mr. Leckrone presented awards to the 15 winners. All 20 students have been recommended to the entrance officials and scholarship committees of Indiana colleges and universities. Information on each of the 73 Indiana high school seniors who completed entrance requirements for the talent search was submitted to the college or university of his choice.

Members of the talent search committee are: R. W. Lefler, Department of Physics, Purdue University, Lafayette, chairman; Lawrence H. Baldinger, dean, College of Science, Notre Dame University; P. D. Edwards, Department of Mathematics, Ball State Teachers College, Muncie; Fernandus Payne, Department of Zoology and dean emeritus, Graduate School, Indiana University, Bloomington; and Winona H. Welch, Department of Botany, DePauw University, Greencastle. Ex-officio members are C. L. Porter, president of the Indiana Academy of Science, Department of Biology, Purdue University; H. H. Michaud, state sponsor, Indiana Junior Academy of Science, Department of Forestry, Purdue University; and Walter Leckrone, editor, *Indianapolis Times*, Indianapolis.

R. W. LEFLER.

**CARE**, with the cooperation of Unesco, plans to help rebuild war-damaged libraries of Europe and Asia by the distribution of free scientific and technical books. The program, to be in operation by May 15, 1950, will be financed entirely by voluntary subscriptions from American organizations and individuals on the same basis as the CARE food and clothing distribution system. Selection of books will be made by a group of American librarians headed by Luther Evans, Librarian of Congress. The books will be sent to Austria, Belgium, Czechoslovakia, Finland, Italy, France, Greece, Korea, Japan, Norway, Holland, Poland, Great Britain, Western Germany, and the whole of Berlin.

**The American Council of Learned Societies**, which at one time or another has organized such projects as the *Dictionary of American Biography* and the *Linguistic Atlas of the United States and Canada*, is now sponsoring, jointly with the Social Science Research Council, publication of a weekly *Current Digest of the Soviet Press*. Selected contents of 40-odd Russian periodicals are translated, condensed, arranged by subject matter, and indexed. The material is presented without comment or elaboration. The two most important newspapers,

*Pravda* and *Izvestia*, are received by air mail and reported about three weeks after their Moscow publication. The yearly subscription rate is \$150 and single copies are \$3.00. Recognized scientific or educational bodies subscribing at the basic rate may obtain additional individual subscriptions, for their own use or for staff members, at a special rate of \$25 each. Inquiries may be addressed to the *Current Digest of the Soviet Press*, 1219 Sixteenth Street, N. W., Washington 6, D. C.

## Recently Received—

**Study Abroad: International Handbook of Fellowships, Scholarships and Educational Exchange**, Vol. 1, 1948. Prepared by Unesco. Available through Publication Dept., Columbia University Press, New York 27, N. Y. at \$1.00.

**Dictionary of Guided Missile Terms:** By the Committee on Guided Missiles of the Research and Development Board of the National Military Establishment. \$1.00 paperbound, \$2.00 clothbound from Public Affairs Press, Washington 8, D. C.

**Radioautography** by Tom McClure. In March 1949 issue of *Tracerlog*, issued by Tracerlab, 55 Oliver Street, Boston 10, Massachusetts.

**Bibliography of Lobster Culture** by Leslie W. Scattergood. Special scientific report 64, Fish and Wildlife Service, U. S. Dept. of Interior, Washington, D. C.

**Prehistoric Art of the Aleutian Islands** by George I. Quimby. *Fieldiana—Anthropology*, Vol. 36, No. 3. Available from Chicago Natural History Museum, Chicago, Illinois at \$.30.

## Make Plans for—

**Society of American Bacteriologists**, 1949 annual meeting, May 16–20, Cincinnati, Ohio.

**American Society of Plant Physiologists**, New England section, May 20–21, University of New Hampshire, Durham.

**American Association of the History of Medicine**, annual meeting, May 23–24, Transylvania University, Lexington, Kentucky.