

NEWS and Notes

Paul P. Ewald, professor of mathematical physics at Queen's University, Belfast, has arrived here to become chairman of the Department of Physics at the Polytechnic Institute of Brooklyn. Dr. Ewald, who is the editor of *Acta Crystallographica*, plans to return to experimental work in the physics of the solid state.

Robert S. Hotchkiss, formerly at Cornell University Medical College, has been appointed professor and chairman of the Department of Urology, New York University Post-Graduate Medical School, a unit of the New York University-Bellevue Medical Center. Dr. Hotchkiss will be in charge of all urological research, teaching, and patient care at the Medical Center.

Sergio De Benedetti, professor of physics at Washington University, St. Louis, has joined the staff of the Physics Department at Carnegie Institute of Technology, Pittsburgh. Dr. De Benedetti was associated with the Curie Laboratory in Paris during the war.

Linus Pauling, president of the American Chemical Society, and director of the Department of Chemistry, California Institute of Technology, will deliver the second bicentennial science lecture of the City College Chemistry Alumni Association on December 7 at City College, New York. Dr. Pauling will talk on "Structural Chemistry in Relation to Biology and Medicine."

Wallace Waterfall, formerly director of research and product development for the Celotex Corporation, has been appointed to the newly created position of executive secretary of the American Institute of Physics. Mr. Waterfall has been a member of the AIP Governing Board since 1934 and its secretary since 1945.

I. C. Gunsalus, professor of bacteriology, Indiana University, will deliver the second Harvey Lecture of the current series at the New York Academy of Medicine on November 17. Dr. Gunsalus will speak on "Comparative Metabolism: Bacterial Nutrition and Metabolic Function."

Visitors to U. S.

J. F. Toennies, neurophysiologist, formerly with the Rockefeller Institute in New York, and now engaged in electronic developments in Freiburg, Germany, is visiting various institutions in this country. He may be reached at the Institute for Cancer Research, Fox Chase, Philadelphia 11, Pennsylvania until December 10, when he returns to Freiburg.

The University of Cincinnati section of Sigma Xi presented **Raymond A. Dart**, of the University of Witwatersrand, Johannesburg, as its first lecturer of the academic year, on October 28. Dr. Dart is visiting a number of university centers, under the sponsorship of the Rockefeller Foundation. In addition to the Cincinnati lecture he has presented a series of Lowell lectures at Cambridge, as well as others in this country and Canada. Dr. Dart, discoverer of *Australopithecus*, lectured on "The Fossil Man-Apes from South Africa," illustrating his lecture with slides, casts, and fossils from his work at Taungs and Makapan.

Visitors at the National Bureau of Standards during the week of October 3-7 included: **George Campbell** of the Plessey Company, Ilford, Essex, England; **G. Herzberg**, chief, Division of Physics, National Research Council, Ottawa; **G. David Scott**, assistant professor of physics, University of Toronto, Canada; **A. Strasheim**, senior scientific officer, National Physical Laboratory, Pretoria, South African Union; **Richard Wieweg**, professor, Technische Hochschule, Darmstadt, Germany; **F. C. Williams**, professor of mathematics, University of Manchester, England; and **R. W. Callon**, chief spectroscopist, Aluminum Laboratories, Ltd., Quebec.

Martin Gusinde, of Vienna, has been appointed visiting professor of ethnology at the Catholic University of America. Dr. Gusinde is giving graduate courses in general ethnology, and on the Indians of South America and the Pygmies of Africa and Asia.

Fritz Strauss, prosector in the Anatomical Institute of the University of Bern, is doing research on problems of mammalian reproduction at the Department of Anatomy of the University of Wisconsin. He plans to be there most of the 1949-50 academic year.

A. Smekal, professor of physical chemistry, University of Darmstadt, Germany, **Eric K. Rideal**, director of the Royal Institution of London, and **W. G. Burgers**, professor of physical chemistry at the Polytechnic Institute, Delft, Holland, were speakers at the Conference on the Solid State at the Polytechnic Institute of Brooklyn, New York, on October 15.

Grants and Awards

The Nobel Peace Prize for 1949 has been awarded to Lord Boyd Orr, Scottish physiologist and former director general of the United Nations Food and Agriculture Organization. Lord Boyd Orr was president of the Congress of World Federalists, held recently in Stockholm, and he plans to use the prize (this year it amounts to about \$21,000) to further the world federalist movement.

Rutgers University has announced the award to faculty members of 62 research grants totaling \$85,560 from the University Research Fund. The grants are for the year ending June 30, 1950. Thirteen grants, totaling \$14,710, were made in the field of biological sciences. Sixteen grants, totaling \$24,385, were in mathematics and the physical sciences. Four, for a total of \$13,490, were made to support research projects in engineering. The other 29 grants were designated for the humanities and social sciences.

The Acoustics Laboratory of the Massachusetts Institute of Technology has announced the following fellowship grants in architectural

acoustics for the academic year 1949-50: the Armstrong Cork Company Fellowship to Jordan J. Baruch, of Brooklyn, New York; the Acoustical Materials Association Fellowship to Uno Ingard, of Gothenburg, Sweden.

Fellowships

The Harry Bateman Research Fellowships in pure mathematics are being offered for 1950-51 at the California Institute of Technology. Fellows must hold a Ph.D. degree and will devote the major portion of their time to research. In addition, they are expected to teach one advanced course in mathematics. The stipend is \$3,600 for the academic year. For application blanks and further information, address the Dean of the Faculty, California Institute of Technology, Pasadena 4, California. Applications must be returned before *February 15, 1950*.

At the request of the **Office of Naval Research**, the National Research Council has appointed an advisory committee of astronomers to recommend specific research projects in astronomy and astrophysics for support by ONR. The committee has suggested that the average cost per project should be about \$3,000, with a maximum of \$5,000. When a proposal is selected for support by ONR, negotiations will be entered into for a contract between the U. S. Navy and the institution at which the research will be conducted. Applications for the support of projects to be considered this winter should be received at the ONR on or before *December 15*. Full information may be obtained from the Chief of Naval Research, Washington 25, D. C., Attention: Code 432.

The Educational Testing Service is offering two research fellowships in psychometrics for 1950-51, leading to the Ph.D. degree at Princeton University. Each carries a stipend of \$2,375 a year and is renewable. Fellows will be engaged in part-time research in the general area of psychological measurement at the offices of the Educational Testing Service and will carry a normal program in the Graduate School. Information

and application blanks may be obtained from the Director of the Psychometric Fellowship Program, Educational Testing Service, Box 592, Princeton, New Jersey.

Colleges and Universities

The University of Washington's \$1,050,000 School of Fisheries Building, located on Portage Bay, will be occupied by the school and its associated laboratories soon after January 1, 1950. The new building will house complete facilities for biological research, including the measurement of the effects of radiation on aquatic organisms being carried on under the direction of Lauren R. Donaldson, in conjunction with the Atomic Energy Commission.

The University of Pittsburgh School of Medicine has opened its new Addison H. Gibson Laboratory, established by a grant from the Addison H. Gibson Foundation, to provide additional facilities for studies in applied physiology. The laboratory will investigate problems of arteriosclerosis and provide service facilities for the handling of radioactive isotopes. Campbell Moses has been appointed director.

Meetings and Elections

Stanford University School of Medicine will present its 30th course of Lane Medical Lectures, October 31-November 10 at 8:15 p.m. in Lane Hall, 2398 Sacramento Street, San Francisco. The lectures will be delivered by James L. Gamble, professor of pediatrics and chairman of the Department of Pediatrics, Harvard Medical School, on various phases of the companionship of water and electrolytes in the organization of body fluids.

The American Petroleum Institute will hold its 29th annual meeting in Chicago, November 7-10. Two general sessions will be held on the afternoon and evening of November 9. On November 10 the Division of Refining will hold a group session on "Fuels of the Future." Papers will be presented at this session by William M. Holaday, of Socony-Vacuum Oil Company, Inc., and

by Walter G. Whitman, of Massachusetts Institute of Technology.

The American Society of Mechanical Engineers will hold its 70th annual meeting at the Statler Hotel, New York City, November 28-December 2. Seventy-eight technical sessions will be sponsored by 22 professional divisions and committees of ASME, covering the fields of power, aviation, applied mechanics, fuels, gas turbines, heat transfer, hydraulics, industrial instruments and regulators, machine design, management, materials handling, metals engineering, oil and gas power, process industries, production engineering, railroad, rubber and plastics, textiles, wood industries, and petroleum.

Among the speakers at the meeting will be H. J. Gough, president of the Institution of Mechanical Engineers of Great Britain, Lillian M. Gilbreth, outstanding women engineer, F. C. Hottel, of the Massachusetts Institute of Technology, Paul C. Aebersold, chief of the Isotopes Division, Oak Ridge, Tennessee, and Hugh L. Dryden, director of aeronautical research for the National Advisory Committee for Aeronautics.

A national conference on cardiovascular diseases will be held in Washington, D. C., January 18-20, under the joint sponsorship of the American Heart Association and the National Heart Institute of the U. S. Public Health Service. H. M. Marvin, president of the American Heart Association, and C. J. Van Slyke, director of the National Heart Institute, will be cochairmen of the conference, which will bring together physicians, scientists, community service leaders, and members of allied professions to formulate a comprehensive heart disease control program.

The American Meteorological Society's 30th anniversary meeting in St. Louis, January 3-6, 1950, will feature an air pollution symposium. One part of the symposium will be a panel discussion on the different phases of air pollution abatement. This discussion will be open to scientists, technicians, and the public and, following a brief description of each panel member's special subject,

their comments and questions from the floor will be invited. The second part will be a series of technical papers, selected to emphasize the meteorological and climatological phases of air pollution, including urban diffusion of smokes, forecasting atmospheric dispersion conditions, dispersion from stacks, and climate influences on pollution.

Chairman of the symposium is C. A. Gosline, of the E. I. du Pont de Nemours and Company, Inc., Wilmington, Delaware.

The Southern Association of Science and Industry will hold its winter meeting January 23-24 at the Hotel Roosevelt, in New Orleans. Paul W. Chapman, dean of the University of Georgia, has been named general program chairman, and James N. Gowanloch, chief biologist of the Wildlife and Fisheries Department, of New Orleans, will be chairman of the committee on local arrangements. There will be three discussion sessions on the use of research in increasing farm production efficiency, preserving and transporting farm products, and finding industrial uses for these products.

The American Association of the History of Medicine will hold its 1950 annual meeting in Boston May 21-23. Members of the association who wish to submit papers should communicate with the chairman of the program committee, Dr. Harold Bowditch, 44 Harvard Avenue, Brookline, Massachusetts. Papers must be submitted before *January 15*.

The Worcester Foundation for Experimental Biology has elected the following trustees for a term of four years: Charles B. Huggins, professor of surgery at the University of Chicago; Rear Admiral George W. Calver, U.S.N. (M.C.); and Ralph F. Gow, executive vice president of the Norton Company.

The Institut Internationale d'Embryologie, an elective body of 75 members, affiliated with Unesco, elected the following officers at a recent meeting in Bern, Switzerland: president, M. W. Woerdeman, Holland; vice presidents, E. Fauré-Fremiet, France; F. E. Lehmann,

Switzerland; Paul Weiss, U. S.; executive committee members, G. R. de Beer, Great Britain, and A. Daleq, Belgium; and secretary-treasurer, C. P. Raven, Holland.

The Coordinating Committee on Abstracting and Indexing of Medical and Biological Sciences met in Paris, at Unesco House, June 1-4, under the sponsorship of the Natural Sciences Section of Unesco and the World Health Organization. The meeting was efficiently organized by I. M. Zhukova, head of Applied Sciences, Unesco. Hugh Clegg, Editor of the *British Medical Journal*, served as chairman, and M. W. Woerdeman, editor-in-chief of *Excerpta Medica* and Eileen R. Cunningham, Vanderbilt University School of Medicine, served as vice chairmen. The meeting was opened by addresses from Director-General J. Torres Bodet; P. Auger, director of the Division of Natural Sciences; N. Howard-Jones, director of library and reference services, WHO; and F. Verzar, who spoke from the point of view of the Food and Agriculture Organization.

Several important decisions were made during the meeting. First, the members felt that the usefulness of the committee which, up to now, has been functioning on an interim basis, had been fully demonstrated. After an appraisal of past activities and a discussion of future plans for work the members voted unanimously to continue on a permanent basis under their present relationship to Unesco. Second, while the committee recognized that adequate indexing of medical literature presents certain problems not comparable to those of abstracting, it was felt that these two methods of making information concerning current literature available to scientists are, in many ways, so closely related that the scope of the committee's activities should be enlarged to include indexing as well.

Papers given during the meeting presented the views of the users of abstract services, as well as problems involved in the production of abstracts. Much evidence was presented indicating the desirability of having the bibliographic detail of

the entry as complete as possible. and of having the author's name come first in the bibliographic entry. Both information gathered from users of abstracts, and the expressed views of the members of the committee coincided in advocating the standardization of the bibliographic form used in the various abstracting services.

Standardization of abbreviations, avoidance of local abbreviations, and adoption of the metric system in all medical and biological communications was endorsed by the committee, which also recommended that editors of medical and biological journals adopt greater uniformity in terms and greater precision in the papers appearing in their journals.

Professor Woerdeman and Mrs. Cunningham were appointed as the committee's representatives to the International Conference on Scientific Abstracting, held in Paris, June 20-25, following the meeting of the Coordinating Committee on Abstracting and Indexing of Medical and Biological Sciences (See *Science*, July 29, page 132). Mrs. Cunningham presented a report of the committee's activities, which was discussed during one of the plenary sessions of the conference.

The official U. S. delegation to the international conference consisted of three voting delegates: Verner W. Clapp, of the Library of Congress, who served as chairman of the delegation and one of the vice presidents of the conference; Evan Crane, editor of *Chemical Abstracts*; J. Murray Luck, editor of *Annual Reviews*, and three technical advisers: Mrs. Cunningham, chairman, Medical Library Association's Committee on Abstracting; John E. Flynn, editor of *Biological Abstracts*, and Eugene W. Scott, Interdepartment Committee on Research and Development. Also present as consultants and observers were Norman T. Ball, Technical Information, Research and Development Board; John E. Burchard, Massachusetts Institute of Technology; Dwight E. Gray, American Institute of Physics; Sanford V. Larkey, Johns Hopkins University, Welch Medical Library; and R. H. Phelps, Engineering Society Library.

The conference voted to establish a provisional international advisory committee to work with Unesco on abstracting for one year, pending the formation of a permanent committee. Appointments to this committee were reported in *Science*, October 7.

EILEEN R. CUNNINGHAM

Deaths

Filippo Silvestri, 76, entomologist, died at Bevagna, Italy, June 10. Dr. Silvestri specialized in the Thysanura, Entotrophi, and Isoptera. He was for many years the director of the Laboratory of Entomology of the Portici branch of the University of Naples, and had retired in 1948. He was a Fellow of the Entomological Society of America.

William Henry Watters, 73, pathologist, died October 10 in Hyannis, Massachusetts. Dr. Watters was at one time professor of pathology at Boston University and for many years had been an associate in the legal department of the Harvard University Medical School.

Robert Tilden Frank, 74, gynecologist, died October 15 in New York City, following a brief illness. Dr. Frank has been associated with Mount Sinai Hospital since 1906. In 1925 he founded its Endocrine Research Laboratory and remained at its head until 1944.

The dedicatory exercises and formal opening of the new laboratories of the **Institute for Cancer Research** and the **Lankenau Hospital Research Institute** in Fox Chase, Philadelphia, are to be held November 15-16. The first day will be devoted to the formal opening exercises, at which Charles F. Kettering will be the principal speaker. On the second day, the subject "Modes of Procedure in Cancer Research" will be discussed by C. C. Little, R. G. Meader, and C. F. Huggins. On both days, open house and demonstrations will be held by the staff.

An inaugural series of scientific programs is being planned for the

spring of 1950 and will be announced later.

A limited number of travel allotments to the **Fifth International Cancer Congress** to be held in Paris, July 17-22, 1950, will be available to scientists requiring such assistance. The recipients of the travel allotments will be selected by the several agencies, foundations, or societies that support cancer research and that are contributing the funds. Applications should be submitted in letter form, giving information concerning age, training, publications in cancer or related fields, present academic or professional status, a brief abstract of major current investigative work, and statement of work to be presented at the congress. A letter from the laboratory director or administrative officer approving the application is also necessary. Send applications to W. U. Gardner, Member of Congress Committee, 333 Cedar Street, New Haven, Connecticut before November 16.

A Society for Social Responsibility in Science has been formed by a group of scientists and engineers who met at Haverford College, Pennsylvania, on September 15.

The constitution states the aims of the society to be: "... to foster throughout the world a ... tradition of personal moral responsibility for the consequences for humanity of professional activity, with emphasis on constructive alternatives to militarism; to embody in this tradition the principle that the individual must abstain from destructive work and devote himself to constructive work, according to his own moral judgment; to ascertain ... the boundary between constructive and destructive work, to serve as a guide for individual and group decisions and action; to establish and operate an employment service ... for those individuals whose convictions necessitate leaving or refusing destructive work; to assist those individuals who suffer economic or legal difficulties because of ... abstaining from ... destructive activity."

The first officers are: president, Victor Paschkis, director of an en-

gineering research laboratory of Columbia University; vice president, William F. Hewitt, Jr., physiologist at Howard University School of Medicine; secretary-treasurer, Vincent Cochrane, biologist at Wesleyan University. Elected to the council of the SSRS were Leonard Dart, physicist for American Viscose Corporation, Marcus Hook, Pennsylvania; Theodore B. Hetzel, of the engineering faculty at Haverford College; Franklin Miller, Jr., physicist at Kenyon College, Gambier, Ohio; William T. Scott, physicist at Brookhaven National Laboratory and at Smith College; and James G. Vail, past president of the American Institute of Chemical Engineers.

The society will work on a unanimous basis, rather than by parliamentary procedures. Regional and functional groups of the SSRS are to be organized soon. English, German, and Swiss scientists have expressed interest in the organization. For further information write Victor Paschkis, Hidden Springs, R.D., Neshanic Station, New Jersey.

Recently Received—

The Mapleton Meteorite. Sharat Kumar Roy and Robert Kriss Wyant. Geological Series of Field Museum of Natural History, Chicago. Vol. VII, No. 7. 40¢.

The Vitamin Content of Peas as Influenced by Maturity, Fertilizers, and Variety. Ethelwyn B. Wileox and Katharine E. Morrell. Agric. Exp. Sta., Bull. 337, Utah State Agricultural College.

Annual Report of the Director of the Department of Terrestrial Magnetism, 1947-48. Merle A. Tuve. Reprint, Carnegie Institution of Washington Year Book No. 47.

Characteristics of Residual Insecticides Toxic to the House Fly. Willis N. Bruce. Illinois Natural History Survey Bull., Vol. 25, Art. 1. State of Illinois Department of Registration and Education, Urbana.

The Spectrum of Nova Persei 1901. Dean B. McLaughlin. Publ. University of Michigan Observatory, Vol. IX, No. 3.