

NEWS and Notes

Eduardo De Robertis, U. S. Public Health special fellow at the Department of Biology, Massachusetts Institute of Technology, has been appointed director of the Department of Cell Ultrastructure at the Institute of Biological Sciences, Montevideo, Uruguay.

Charles P. Hutterer, senior research chemist at the Warner Institute for Therapeutic Research, New York City, has been appointed research associate to the Subcommittee of Chemotherapy at the Chemical-Biological Coordination Center of the National Research Council.

Francis Birch, professor of geology at Harvard University, has been named Sturgis-Hooper Professor of Geology. He succeeds **Louis C. Gratton**, who will retire this summer to become professor emeritus.

Ray C. Anderson, formerly a medical geneticist of the Army Medical Corps stationed in Hiroshima, has been named assistant director of the Dight Institute of Human Genetics at the University of Minnesota.

Charles L. Shrewsbury, of Midwest Research Institute, has been named chairman of agricultural chemistry at Southwest Research Institute of San Antonio and Houston, Texas, and associate director of the affiliated Foundation of Applied Research.

Visitors to U. S.

Hans Weddington, **Fritz Wilhelm**, and **Gerhard Bantzer**, German economists, are visiting a number of U. S. land grant colleges to study methods of distributing current economic information to German farmers.

Roberto Jaset, director of the Mineração Geral do Brasil, and of Usina Santa Olimpia Indústria do Ferro e Aço of South America, is studying different types of industrial

equipment in this country. He plans to be here for three months.

B. L. Van der Waerden, of the University of Amsterdam, will be visiting professor for the summer quarter at the University of Washington, where he will give courses in algebraic geometry and operational methods in mathematical physics.

Grants and Awards

The Rockefeller Foundation has awarded to Duke University a grant of one hundred thousand dollars toward researches in physical biochemistry of proteins at the School of Medicine, under the direction of Hans Neurath. The grant is available for a seven-year period, beginning July 1, and has been made in addition to a similar grant of twenty-five thousand dollars awarded in 1946 for a five-year period.

Research Corporation has announced recent grants totaling nearly \$250,000 to aid scientific research in colleges, universities, and institutes. One of the 65 grants—\$54,550—went to George W. Kidder of Amherst College, for continuation of his work in cancer research, and another to Edward C. Kendall, of Mayo Clinic, for further study on the control of rheumatoid arthritis by an adrenal hormone.

The John Wesley Hyatt gold medal and \$1,000 award were presented to George T. Felbeck, vice president, Carbide and Carbon Chemicals Corporation, New York City, at the annual meeting of the Society of the Plastics Industry. Dr. Felbeck received the award for engineering developments leading to the manufacture of polyethylene resins and plastics.

Mark Nickerson, assistant professor of pharmacology, University of Utah College of Medicine, was awarded the 1949 **John J. Abel Pharmacology Prize**—a bronze medal and \$1,000—for his research on the pharmacology of the β -haloalkylamines, a new class of adrenergic blocking agents. The award, donated by the Eli Lilly Company of Indianapolis, will be made again in 1950. Inquiries may be addressed

to the Secretary of the Society for Pharmacology and Experimental Therapeutics, H. B. Haag, Medical College of Virginia, Richmond 9, Virginia.

Sigma Delta Epsilon, the graduate women's scientific fraternity, is offering an award of \$500 for research in the mathematical, physical, or biological sciences. The award, open to members only, will be made for an original research paper which has been published or accepted for publication this year by a scientific journal. Members of the research award committee are: Lela V. Barton, Boyce Thompson Institute for Plant Research, Inc., chairman; Elva Shipley Meyer, University of Wisconsin zoologist; and Helen Oldham, Department of Home Economics, University of Chicago. The award will be presented at the December meeting of the AAAS in New York City.

John Reenstierna, professor emeritus of Upsala University, Sweden, has been awarded the Finlay Order, Cuba's highest distinction, in recognition of his research leading to the development of a successful lepra serum.

This year's \$2,000 **Charles L. Mayer "Nature of Light" Prize** has been awarded to Julian S. Schwinger, professor of physics at Harvard University. Dr. Schwinger won the award for his essays "On Quantum-Electrodynamics and the Magnetic Moment of the Electron."

Fellowships

The American Association of University Women has awarded 27 research fellowships of \$1,500 each to women scholars for the coming academic year. Ten women scientists included among the recipients and their subjects of investigation are: Charlene Craft, instructor of anthropology at the University of Alaska, who will conduct an archaeological field trip into Upper Kuskokwim, the homeland of the Athabaskan Indians; Barbara D. Blanchard, assistant professor of zoology at Santa Barbara College, University of California, who will study the birds which migrate between California and

Alaska to learn the physiological effects of Arctic conditions on warm-blooded animals; Jacqueline Chittenden, lecturer in classical archaeology at the University of Edinburgh, who will do research on archaeological monuments relating to the cult of Hermes at the American School of Archaeology in Greece; Geneva Sayre, professor of biology at Russell Sage College, who will write a monograph on the varieties of rock-growing mosses of the *Grimmiaceae* family; Adela Cabezas, resident physician at Hospital Rosales, San Salvador, who will come to this country for postgraduate study in pediatrics; Alice B. Dickinson, fellow at the University of Michigan, who will do research in higher mathematics; Helen R. Garman, research assistant in plant physiology at the University of Wisconsin, who will study organ formation in plants; June Zimmerman, Physical Chemistry Laboratory, Oxford, who will complete a study of oxidation in bacterial systems; Lydia Bidinost, Buenos Aires biochemist, who will conduct advanced research in biochemistry at Columbia University; and V. Oldfelt, pediatrician, of Stockholm, Sweden, who will study virus diseases at Children's Hospital in Philadelphia.

Colleges and Universities

Construction of the \$2,075,000 Nathan Goldblatt Memorial Hospital at the **University of Chicago** began officially with the laying of the cornerstone on May 17. To be completed in 1950, it will be the first unit in the university's \$8,500,000 cancer research center. Adjacent to the Goldblatt unit, the Atomic Energy Commission will build the Argonne Cancer Research Hospital, for research on radioactive isotopes in cancer treatment.

The Massachusetts Institute of Technology has announced that Pomona College of California and Wesleyan University of Connecticut are the most recent additions to the cooperative liberal arts and technological study program which was established in 1936. The program offers qualified undergraduate students a specially planned three-year course in any of the 14 participating

liberal arts colleges and enables them to complete in two years the requirements for a science, engineering, or city planning degree at M.I.T. Both a B.S. degree from M.I.T. and a B.A. degree from the liberal arts college are awarded on completion of the program. The other 12 participating colleges are: Amherst College, Amherst, Massachusetts; Bowdoin College, Brunswick, Maine; Miami University, Oxford, Ohio; Middlebury College, Middlebury, Vermont; Ohio Wesleyan University, Delaware, Ohio; Reed College, Portland, Oregon; Ripon College, Ripon, Wisconsin; St. Lawrence University, Canton, New York; Washington and Jefferson College, Washington, Pennsylvania; College of William and Mary, Williamsburg, Virginia; Williams College, Williamstown, Massachusetts; and College of Wooster, Wooster, Ohio.

The Department of Engineering Physics at Cornell University will offer a course in electron microscopy next fall, as a project of the new Electron Microscopy Laboratory, which will be established at the university as the result of a grant from the Rockefeller Foundation.

The Armour Research Foundation of Illinois Institute of Technology has begun research to stabilize calcium oxide (lime) for use as a refractory for rocket liners, jet airplane parts, and other industrial applications. The stabilization process, which will be directed by J. Scott Griffith, supervisor of ceramics, and John Neff, head of minerals research, is the second step in the project which the foundation is conducting for the Air Materiel Command. It must be preceded by the modification of high temperature electric furnaces so that they can be used up to 2300° C for sintering lime and other common oxides such as magnesium oxide.

Purdue University has established a permanent natural area of 70 acres, 12 miles from the campus, to preserve the biota for ecological study by the Department of Biological Sciences. This tract was bequeathed to the university by the

late David E. Ross and is to be known as the Ross Biological Reserve. The land borders the Wabash River, and includes oak-hickory forest, bottomland forest along the river, two ravines with permanent streams, swampland, and old fields of several successional stages.

Industrial Laboratories

Mallinckrodt Chemical Works has elected as its new president Joseph Fistere, former vice president and director of the company. Mr. Fistere succeeds the late Arthur C. Boylston, who had been president since 1941.

Airborne Instruments Laboratory, Mineola, New York, has recently organized a research group known as the Applied Physics Section, headed by Rodney F. Simons. The new unit is developing a neutron velocity selector for Brookhaven National Laboratories, to be ready for use when the new atomic pile begins operation.

Meetings and Elections

An international conference on science abstracting will be held at Unesco House, Paris, June 20-25 for the purpose of developing and improving abstracting services for the natural sciences—both pure and applied—and considering methods of increasing their usefulness to scientists. Representatives from the member states of the United Nations and from its specialized agencies and other international organizations have been invited to take part in the conference. Others will be welcome as observers.

An international conference on electron microscopy will be held at Delft, July 4-7 under the auspices of the Section on Applied Physics of the Netherlands Physical Society. The meetings will include sections on Image Formation and Contrast, Resolving Power and Apparatus, and Specimen Techniques. American members of the Recommendation Committee are: Francis O. Schmidt, president, Electron Microscope Society of America; Charles J. Burton, secretary of the society; and Ralph W. G. Wijckoff, of the Department

of Microbiology, National Institutes of Health, Bethesda, Maryland. Scientists interested in participating should write to Henri Polak, Technical Documentation and Information Center for the Netherlands, 525 Rolling Road, Chevy Chase 15, Maryland.

The American Association of Blood Banks will hold its second annual meeting in Seattle, Washington, November 3-5. The program is expected to interest both scientists and administrators of blood banks and hospitals. Further information may be obtained from the Office of the Secretary, 3301 Junius Street, Dallas 1, Texas.

The Kansas Academy of Science, at its 81st annual meeting at Kansas State College on April 28-30, elected the following officers: president, Paul G. Murphy; president-elect, A. B. Leonard; secretary, A. M. Guhl; treasurer, Standlee Dalton; and librarian, D. J. Ameel.

L. A. Maynard, professor of nutrition and biochemistry of Cornell University, and Rene J. Dubos, bacteriologist and member of the Rockefeller Institute for Medical Research, have been elected trustees of **Science Service**. Dr. Maynard was nominated by the National Academy of Sciences and Dr. Dubos by the National Research Council.

The following officers were re-named at the annual meeting: president, Harlow Shapley, director of Harvard College Observatory; vice president and chairman of the Executive Committee, Alexander Wetmore, secretary of Smithsonian Institution; treasurer, O. W. Riegel, director of Lee School of Journalism, Washington and Lee University; secretary, Watson Davis, director of Science Service. Additional members elected to the Executive Committee were: Frank R. Ford, editor, *Evansville Press*, Evansville, Indiana, and Karl Lark-Horovitz, Purdue University.

Deaths

Paul Bell Davis, 60, research chemist, died March 19 at his home in Baltimore. Dr. Davis, a member of the research and development branch of the Davison Chemical Company of

Baltimore since 1919, was best known for his work in silicic acid gels during World War I.

Paul Harkai Schiller, 40, died in a skiing accident on Mt. Washington, New Hampshire, on May 1. Dr. Schiller, formerly head of the Psychology Departments at Pazmany University, Hungary, and Bolyai University, Rumania, had been research associate at the Yerkes Laboratories of Primate Biology in Orange Park, Florida, since 1947. At the time of his death he was temporarily engaged in research in the Department of Psychology at Harvard University.

Arthur Berkeley Yates, 48, chief geologist of the International Nickel Company, died May 10 in Montreal, where he had gone to receive the Barlow Memorial Medal of the Canadian Institute of Mining and Metallurgy at the institute's annual convention. He had been stationed in South Africa by International Nickel.

George T. W. Patrick, 92, professor emeritus of philosophy at Iowa State College, died of a heart attack at his home in Palo Alto on May 21. Professor Patrick's fields of investigation included the psychology of social reconstruction and the philosophy of the mind.

A Directory of Translators has been established by the Science-Technology Group of Special Libraries Association. It is located at the Southwestern Research Institute, San Antonio, Texas, and is operated as a free service to bring together clients having translation problems and language specialists in the fields of science and technology. Persons or firms needing qualified translators are invited to address inquiries to Wayne Kalenich, librarian, and translators are urged to place their qualifications on file with the directory. Twenty-three languages are already represented among the specialists listed and it is hoped that translators in all fields of knowledge will eventually be registered. Information concerning interpreters is also solicited.

The Special Libraries Association

Translations Pool, also under the management of Mr. Kalenich, lists technical translations and information as to their loan or purchase. About three thousand translations have been indexed and persons planning to translate a technical article are urged to check with Mr. Kalenich to make sure that such a translation is not already available.

The National Registry of Rare Chemicals, 35 West 33rd Street, Chicago 16, has submitted the following list of wanted chemicals: 5,7,2',3'-tetrahydroxyflavanone, 3,5,6,7,2'-pentahydroxyflavone, 3,5,6,7,3',4'-hexahydroxyflavone, 3,6,2',4'-tetrahydroxyflavone, 5,7,2',4'-tetrahydroxyflavone, 4'-methyl-3,4-benzopyrene, 20-ethylcholanthrene, 3-chloro-20-methylcholanthrene, 6-cyano-20-methylcholanthrene, coriamyrtin, deuterioformaldehyde, 1-decalol, monodeuteroethylene, phenylpantothene, cyclooctanone, picropodophyllin, muscarine, fructose-6-phosphate, thiomethylpentosides, cadinene, and keraecyanin.

About one hundred numbers of the *Philippine Journal of Science* (1929 to 1941), are available to anyone willing to pay the cost of transportation. Not all volumes are complete, and articles on fishes and orchids have been extracted from a number of the issues. The publications may be obtained from Hugh Craig, Schnell Publishing Co., Inc., 59 John Street, New York City 7.

Institut International des Sciences Théoriques, of Brussels, has announced that a prize of 50,000 francs (Belgian) will be awarded for the best paper on the "Exposition and Critique of the Conceptions of Eddington Concerning the Philosophy of Physical Science." Papers must be submitted before December 31, 1950. Further information may be obtained from the Secretary, Institut International des Sciences Théoriques, 221, Avenue de Tervueren, Brussels, Belgium.

A new international journal, *Applied Scientific Research*, will be published at The Hague under the auspices of the Central National Council for Applied Scientific Re-

search in the Netherlands, the Applied Physics Section of the Netherlands Physical Society, and the Section for Technical Scientific Research of the Royal Institute of Engineers of the Netherlands. The journal will be issued in two sections: A, containing papers on applied mechanics, hydro- and aeromechanics, heat, and the mechanical and thermal properties of materials; and B, containing papers on applied electrophysics, acoustics, optics, and the electrical, acoustical, and optical properties of materials. The subscription price is 20 guilders per volume for each section. American subscribers may send their orders and remittances through Tice and Lynch, Inc., Forwarding agents, 21 Pearl Street, New York City.

An *Interim Checklist of Holdings of 168 German Medical and Dental Periodicals, 1939-1948, in 38 Libraries of the United States and Canada* has been compiled by the **Committee on Periodicals and Serial Publications of the Medical Library Association**. The number of copies to be published will be based on the number of orders received by July 15. To assure receipt of a copy, an order, accompanied by remittance of \$1.00, should be sent before that date to: Mrs. Edith Dernehl, Marquette University Medical Library, 561 N. 15th Street, Milwaukee 3, Wisconsin.

The **Linnean Society of New South Wales** announces that the position of Macleay Bacteriologist is open to qualified researchers in agricultural bacteriology. The appointment, which carries an annual salary of £600 to £900 (Australian) is for a five-year period. Further information may be obtained from the Secretary, Linnean Society of New South Wales, Science House, 157 Gloucester Street, Sydney, New South Wales, Australia. Applications should include three references and must be submitted to the secretary by June 30.

The **Atomic Energy Commission** has announced that limited quantities of isotopically-labeled compounds, produced in excess of AEC needs, will be made available from the Oak

Ridge National Laboratory upon allocation from the Isotopes Division. The only compounds now on hand are C^{14} -labeled sodium butyrate, sodium valerate, sodium caproate, and sodium heptanoate, but other labeled compounds will be added to the list. Elemental boron¹⁰ can also be furnished for research purposes. Inquiries should be addressed to the Isotopes Division, Atomic Energy Commission, Oak Ridge, Tennessee.

The AEC recently compiled a list of physicists, chemists, and biologists who have agreed to act as consultants on isotope techniques. This list (Isotopes Division Circular E-22) is available upon request from the Oak Ridge Laboratory.

The Growth of the Experimental Sciences, a pamphlet describing the experiment of President James B. Conant and his assistants in teaching the tactics and strategy of science to nonscience students at Harvard College, has just been published for private distribution through the courtesy of the Carnegie Corporation. Dr. Conant warns that his case-history approach is "both controversial and experimental." Copies will be mailed without charge, while the supply lasts, to any interested college professor or educational administrator on application to Guy Snively, 726 Jackson Place, NW., Washington, D. C.

Recently Received—

Health Problems in Industry: A Digest of the Proceedings of the Joint Conference of Doctors and Businessmen, held at the Assembly Hall of the Commerce and Industry Association of New York, Inc., December 1, 1948. Available on request from the Information Service, New York University-Bellevue Medical Center, 141 Broadway, New York 6, N. Y.

Psychological Cinema Register: a nonprofit sale and rental distribution service of selected 16-mm instructional motion picture films in psychology, psychiatry, physiology and related fields, No. 6, 1949. Audio-Visual Aids Library, Pennsylvania State College, State College, Pennsylvania.

Occupational Outlook Handbook: Employment Information on Major Occupations for Use in Guidance, Bulletin 940, prepared in cooperation with Veterans Administration. Publication of the U. S. Department of Labor. For sale by the Supt. of Documents, U. S. Govt. Printing Office, Washington 25, D. C. at \$1.75.

Hatchability of Chicken Eggs as Influenced by Environment and Heredity by Walter Landauer. Bulletin 262, April 1948, (revision of Bulletins 216 and 236). Storrs Agricultural Experiment Station, College of Agriculture, University of Connecticut, Storrs, Connecticut.

Journal of Calendar Reform, International Edition, First Quarter 1949. World Calendar Assn., Inc., 630 Fifth Avenue, New York 20, N. Y.

Expanding World Trade—U. S. Policy and Program. *Foreign Affairs Background Summary*. Issued by the Office of Public Affairs, Department of State, Washington, D. C.

Vegetation-Types Map of Tanganyika Territory by Clement Gillman. Available from the American Geographical Society of New York, Broadway at 156th Street, New York 32, N. Y. at \$1.00 per copy postpaid.

Make Plans for—

American Society of Ichthyologists and Herpetologists, annual meeting, June 18-21, U. S. National Museum, Washington, D. C.

Inter-University High Altitude Laboratory, cosmic ray symposium, June 22-28, Echo Lake, Colorado.

Western Psychological Association, June 24-25, Eugene, Oregon.

American Physical Society, summer meeting, June 27-29, University of Washington, Seattle; meeting of the Division of Fluid Dynamics, June 30-July 1, Naval Ordnance Laboratory, White Oak, Maryland.

International Union for the Scientific Study of Population, August 27-September 3, Geneva, Switzerland.