

Announcements

The **University of Pennsylvania** has announced plans to merge the faculties of its school of medicine and graduate school of medicine. The new faculty of medicine will be concerned with graduate and undergraduate medical teaching. Responsibility for the faculty will be held by the dean of the school of medicine. He will be assisted by a medical council, consisting of elected and appointed members of the faculty of medicine.

Massachusetts Institute of Technology has announced the establishment of the Camille Dreyfus Professorship in Chemistry, under a \$500,000 grant from the Camille and Henry Dreyfus Foundation, Inc., of New York City. Named in honor of the chemist who undertook early basic research in cellulose chemistry and successfully made the first cellulose acetate yarn, the Dreyfus professorship is the first endowed chair to be established within the department of chemistry at M.I.T.

The Society for the Study of Development and Growth has announced plans to sponsor regional meetings in **developmental biology** during 1965. The purpose of these meetings is to achieve an exchange of ideas among individuals at various institutions, and to stimulate and encourage students at smaller institutions to participate. Persons interested in organizing such regional meetings are invited to write to Anthony C. Clement, Department of Biology, Emory University, Atlanta, Georgia.

Grants, Fellowships, and Awards

A limited number of fellowships are available for an advanced study institute dealing with **radiation trapped in the earth's magnetic field**, to be held 16 August to 3 September at the Chr. Michelsen Institute, Bergen, Norway. It will be sponsored by the Illinois Institute of Technology, and will cover the earth's magnetic field and various methods for representing the location and motion of charged particles trapped in the field, and other specialized radiation phases. Fellowships covering registration fees, travel, and living expenses are available, and must be accompanied by certification that assistance is necessary, and cannot

be obtained otherwise. Deadline for fellowship applications: *15 March*. Deadline for institute registration applications: *30 June*. (Billy M. McCormac, Director-Geophysics Division, I.I.T. Research Institute, 10 West 35 Street, Chicago, Illinois 60616)

The **Daniel and Florence Guggenheim Foundation** has announced the availability of fellowships for the 1965-66 academic year. They are open to all engineering or science students prepared for graduate study who are residents of the U.S. or Canada, have an interest in astronautics, rockets, flight structures, or related scientific disciplines, and who have an intention to pursue a career in one of these fields. The fellowships provide full tuition and a stipend up to \$2400, and are available as follows: (i) four or more jet propulsion fellowships for study at the Guggenheim Laboratories for the Aerospace Propulsion Sciences, Princeton University; (ii) two or more jet propulsion fellowships at the Guggenheim Jet Propulsion Center, California Institute of Technology; and (iii) three or more flight structures fellowships for study at the Guggenheim Institute of Flight Structures, Columbia University. Applicants should apply directly to the University of their choice. Deadline for applications: *1 March*. (Daniel and Florence Guggenheim Foundation, 120 Broadway, New York, N.Y. 10005)

The University of Oregon's Science Research Institute has announced the availability of fellowships in **biochemistry**. The fellowship program will begin in the fall of 1965. Application is open to all students; however, preference will be given to students majoring in chemistry as undergraduates. Participants will be financed by National Institutes of Health Training Grants, National Defense Education Act fellowships, and National Science Foundation fellowships. Deadline for applications: *15 March*. (R. W. Newburgh, Assistant Director, Science Research Institute, Oregon State University, Corvallis 97331)

The British Association for the Advancement of Science and the Shell Chemical Company, London, are sponsoring an essay competition on "**the interaction of technologies**." A prize of 250 guineas (about \$735 U.S. funds) will be given to the author of the best paper on attempts to find "a common

ground" among the many technologies that exist today. Entries may be up to 5000 words and must be in English. The winner must attend the September meeting of the BAAA, for which the Shell Company will pay his traveling and living expenses while in England. Authors should be between 25 and 40 years of age. Deadline for receipt of entries: *31 March*. (Applications are available from Information Officer, Shell Chemical Company Ltd., Shell Center, Downstream Building, London S.E.1)

The department of psychology at Saint Louis University has announced the establishment of a graduate program in **developmental psychology**, supported by a National Defense Education Act grant. Student support is available. Deadline for applications for the 1965-66 academic year: *15 March*. (Psychology Department, Saint Louis University, 221 North Grand Boulevard, St. Louis 3, Missouri)

Columbia University has announced the opening of competition for undergraduate grants for its summer institute in **space physics**, sponsored by the National Aeronautics and Space Administration. The program, scheduled 6 July to 13 August, is designed to introduce college students to principal areas of research in the space program. Thirty undergraduate grants are available; they will provide a weekly allowance of \$60, in addition to covering the costs of tuition and fees, and travel. The 6-week program carries academic credit of 6 points. Applicants must have a background equivalent to 3 years of college training in mathematics and the physical sciences. Mathematics through advanced calculus is essential. Deadline for applications: *1 March*. (Director, Summer Institute in Space Physics, Columbia University, New York, N.Y. 10027)

Entries are now being accepted for the **Oberly Memorial Award** of the American Library Association. The awards are made every 2 years for the best bibliography in the field of agriculture or related sciences. The current award is for a bibliography by a U.S. citizen, issued in 1963 or 1964. Seven copies of the bibliography must be submitted. Deadline for submission: *15 March*. (Francis P. Allen, Oberly Memorial Award Chairman, University of Rhode Island Library, Kingston)

Meeting Notes

The Office of Naval Research will sponsor a conference on the **physics of quantum electronics**, 28–30 June, in San Juan, Puerto Rico. Papers are now being accepted for the meeting. General areas of discussion will be nonlinear phenomena, including harmonic generation, mixing, Raman and Brillouin effects; multiphoton absorption; breakdown in gases; spectroscopy with lasers; and fundamental experiments with lasers. The theory of laser oscillators and amplifiers; problems of coherence and noise; excitation processes; relaxation mechanisms; spectroscopy of laser materials; semiconductor lasers, including methods of population inversion, recombination, and stimulated emission; the effects of electric and magnetic fields; and the stimulated emission of phonons will also be covered. Deadline for abstracts submitted in English: *15 March*. Deadline for conference registration: *1 May*. (P. L. Kelley, Physics of Quantum Electronics Conference, M.I.T. Lincoln Laboratory, Lexington, Massachusetts 02173)

Papers are invited for the 19th annual meeting of the **American Neurological Association**, 14–16 June, in Atlantic City, New Jersey. Topics to be covered include all phases of neurology. Deadline for 200-word program abstracts, and 1000-word abstracts: *1 March*. (Melvin D. Yahr, 710 West 168 Street, New York, N.Y. 10032)

Courses

An institute for physicians, hospital administrators, and medical record librarians covering an **introduction to the professional activity study and the medical audit program** is scheduled 9 March at Ann Arbor, Michigan. It is being offered by the Commission on Professional and Hospital Activities. The registration fee will be \$35 per person. (Commission on Professional and Hospital Activities, First National Building, Ann Arbor, Michigan)

The University of Texas College of Engineering will conduct a course in modern **engineering**, 21 March to 9 April. Subjects covered will include a tutorial survey of engineering analysis and computations and materials science from atoms to aggregates. Specialized sessions will cover energy conversion

and resources, electronics, environmental health, bio-engineering, information science, modern engineering chemistry, economics, and corporate planning. Enrollment will be limited to 25, and the course fee will be \$1200, which covers the cost of lecture materials, and includes hotel accommodations. (John J. McKetta, Dean, College of Engineering, University of Texas, Austin 78712)

Five **nuclear defense design** summer institutes are scheduled for 1965. They are to be sponsored by the Office of Civil Defense, the American Society for Engineering Education, and the Association of Collegiate Schools of Architecture. The institutes will offer comprehensive graduate level education programs for architectural and engineering faculty. Faculty participants will be admitted tuition free, and will be paid a \$125 stipend per week, plus travel allowance. Practicing architects and engineers will be considered if space is available. The dates of the institutes, their locations, and topics to be covered, are as follows:

1) 14 June to 9 July, Montana State College: fallout shielding analysis, environmental engineering for shelters, civilian defense problems in community planning, and fallout protection for agriculture.

2) 21 June to 30 July, University of Hawaii: protective structures.

3) 21 June to 16 July, Kansas State University: radiation shielding.

4) 28 June to 30 July, Pennsylvania State University: shelter system planning for the urban environment.

5) 19 July to 27 August, Worcester Polytechnic Institute: protective structures. Deadline for all applications: *15 March*. (Assistant Executive Secretary, American Society for Engineering Education, University of Illinois, 1201 W. California St., Urbana 61801)

A summer conference for college teachers covering methods of **botanical investigation and classification** will be presented at the University of North Carolina 14 June to 2 July. It will be conducted by the department of botany, and financed by the National Science Foundation. Discussion areas include chemotaxonomy, numerical taxonomy, paleobotanical studies, phylogeny, and population structure. The conference is open to college teachers involved in the discussion areas, including ecology, and will be limited

to 30. Deadline for applications: *1 March*. (C. Ritchie Bell, Botany Department, University of North Carolina, Chapel Hill)

Georgia Institute of Technology will conduct a short course in fundamentals of **engineering statistics**, 22–26 March. It is open to engineers who hold a baccalaureate degree in engineering, science, or management. A mathematics background of at least 1 year of calculus is considered desirable for participants. Areas to be covered include an introduction to descriptive statistics, and to probability and probability distributions; discrete probability distributions of importance; normal distribution; the chi-square distribution and the sample variance; T and F distributions with applications; hypothesis test on the mean and on the variance; estimation, point and interval; curve fitting; and linear regression and correlation. The fee of \$150 includes an engineering statistics textbook and all other necessary supplies. Deadline for registration: *15 March*. (Director, Department of Continuing Education, Georgia Institute of Technology, Atlanta 30332)

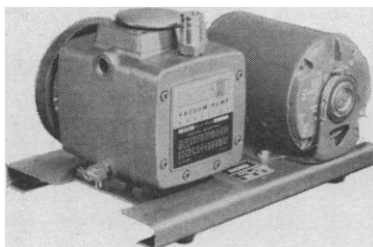
A National Science Foundation-supported seminar on **problems of organism-sediment interrelationship** will be held 25 July to 4 September at the Bermuda Biological Station. Application is open to graduate students from any discipline related to marine science. Deadline for applications: *1 March*. (Keith E. Chave, Marine Science Center, Lehigh University, Bethlehem, Pennsylvania 18015)

The second international conference on **protozoology** will be held in London, 29 July to 5 August; papers relating to the field are now being accepted. Official languages at the conference will be English, French, and Russian, and simultaneous translation will be provided. Deadline for 450-word abstracts: *1 April*. (R. S. Bray, London School of Hygiene and Tropical Medicine, Keppel Street, London W.C.1, England)

Colorado State University will be the host for a summer colloquium on **theoretical biology and theoretical biophysics**, 1 July to 6 August. The program is being sponsored by the National Aeronautics and Space Adminis-

(Continued on page 438)

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NEWS AND COMMENT

(Continued from page 385)

tration, and is designed to stimulate and encourage research in theoretical biology and theoretical biophysics. Predoctoral and postdoctoral fellowships are available at the individual's present rate of salary. Deadline for applications: *1 March*. (Harold J. Morowitz, Institute Director, Department of Molecular Biology and Biophysics, Box 2166, Yale Station, New Haven, Connecticut)

Scientists in the News

At Quadri-Science, Inc., Washington, D.C.:

Hermann J. Muller, winner of the 1946 Nobel prize in physiology and medicine, has become director of genetic biology; and

Henry Taube, an inorganic chemist and member of the National Academy of Sciences, has been named director of chemical research.

Maurice Ewing, director of Columbia University's Lamont Geological Observatory, has been awarded the Gold Medal of the Royal Astronomical Society of Great Britain. Ewing received the award for his "contributions to marine geophysics." The medal is the first the society has given specifically for geophysical work.

Robert S. Gordon, Jr., has been named clinical director of the National Institute of Arthritis and Metabolic Diseases. Gordon had been a senior investigator in the laboratory of metabolism at the National Heart Institute. He succeeds **Joseph J. Bunim**, who died in July.

Erland Nelson has been appointed professor and head of the newly created department of neurology at the University of Maryland School of Medicine. Nelson was formerly on the faculty of the medical school at the University of Minnesota.

Carl G. Hartman, research consultant at the Margaret Sanger Research Bureau in New York City, has been awarded the first Marshall Medal, an award established by the British Society for the Study of Fertility.

Edgar T. Wherry, emeritus professor of botany at the University of Pennsylvania, was awarded the Mary Soper

Pope Medal of Cranbrook Institute of Science, Bloomfield Hills, Michigan. The medal is the only award of the Institute, and is "bestowed from time to time for distinguished contribution to the plant sciences."

Walter E. Loomis, professor of plant physiology at Iowa State University, has been appointed visiting professor of botany at the University of North Carolina, Chapel Hill, for the 1964-65 academic year.

Carl Cori has been named distinguished service professor of biological chemistry at Washington University School of Medicine, St. Louis. Cori, who is head of the department of biological chemistry, was awarded the Nobel Prize in 1947 for work on the conversion in the body of glycogen into glucose.

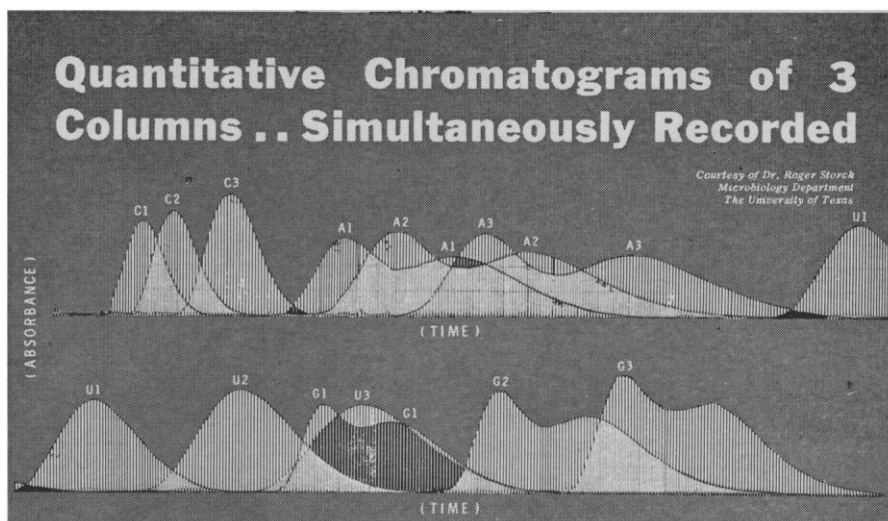
Antoni Zygmund has been appointed the Gustavus F. and Ann M. Swift Distinguished Service Professor of Mathematics at the University of Chicago. Zygmund has been professor of mathematics at the university.

At Harvard University:

Duncan E. Reid has been appointed the first Kate Macy Ladd Professor of Obstetrics and Gynecology. Reid is head of the department of obstetrics and gynecology at the Medical School. The professorship was established by Harvard following receipt of \$500,000 from the Josiah Macy, Jr. Foundation in New York.

Elkan R. Blout has become the first Edward S. Harkness professor of biological chemistry. The Harkness professorship was one of two chairs established in the faculty of medicine by the university from a gift of \$1 million from The Commonwealth Fund.

William C. Menninger and **Beryl J. Roberts** have been awarded the 1964 Citation Awards of the Society of Public Health Educators. Menninger, co-founder of the Menninger Clinic and Foundation for Psychiatric Treatment, was cited for his "pioneering exploits in broadening public interest and support for the prevention, care, and treatment of mental illness in the United States and abroad." Roberts was honored for "enlarging public understanding about new preventive techniques against overpopulation, child diseases, malnutrition, sanitation, tuberculosis, and cancer." She is pro-



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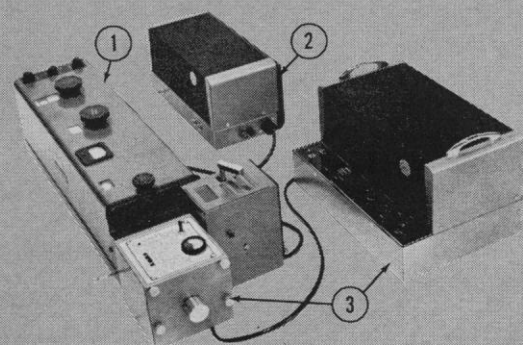


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fessor of health education at the University of California School of Public Health, Berkeley. The awards, which include a medallion and an engraved citation, are the highest given by the Society.

Carl L. Hubbs, professor of biology at the Scripps Institution of Oceanography at the University of California, La Jolla, has been awarded the Leidy Medal of the Academy of Natural Sciences in Philadelphia, Pennsylvania. The medal is the Academy's only award and carries a \$100 honorarium.

Joseph Wood Krutch has been awarded the Richard Prentice Ettinger Medal for creative writing in both science and literature. Krutch won the medal and a \$1000 honorarium for representing "the civilized conscience of man extending its insight beyond the grievous burdens of our exploding technology." The Ettinger Program is sponsored jointly by the Rockefeller Institute, the University of Pennsylvania, and New York University.

Two promotions to endowed professorships have been announced by the University of Rochester:

Lionel McKenzie, chairman of the department of economics, will become Munro Professor of Economics; and

Johannes Holtfreter, an experimental embryologist, will become Harris Professor of Zoology.

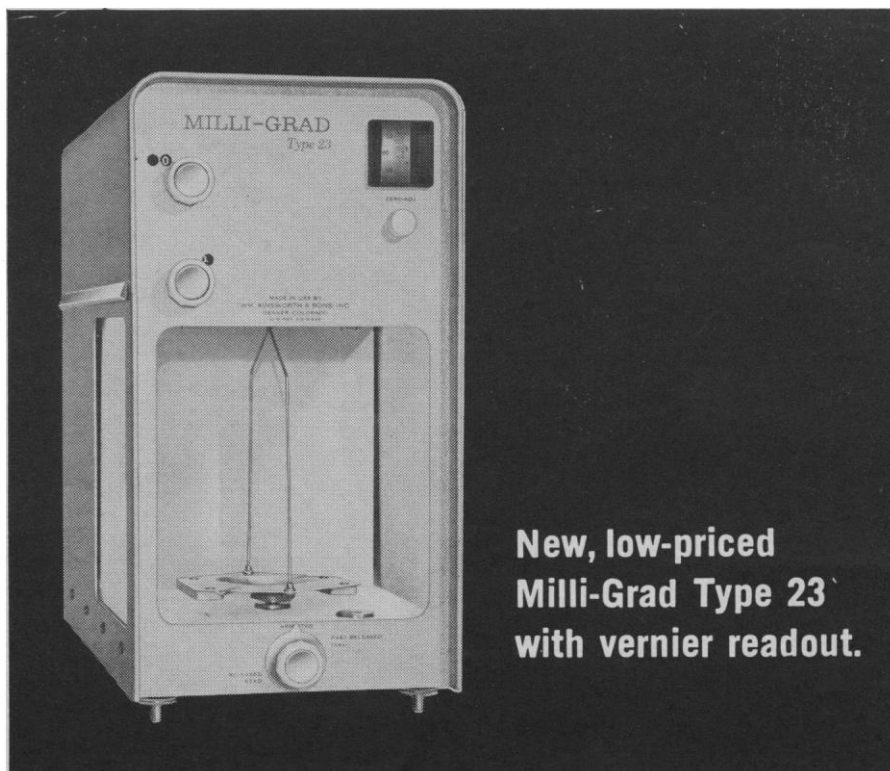
Frederick T. Wall, professor and chairman of the chemistry department at the University of California, Santa Barbara, has become editor of the American Chemical Society's *Journal of Physical Chemistry*.

Charles V. Kidd, formerly associate director for international activities at the National Institutes of Health, has joined the White House Office of Science and Technology and has been named Executive Secretary of the Federal Council for Science and Technology. Kidd succeeds **Edward Wenk, Jr.**, who has become Chief of the Science Policy Research Division, Legislative Reference Service, Library of Congress.

Erratum: In the first sentence of R. E. Snow and W. F. Seibert's letter (18 Dec. 1964, p. 1527), the quotation from Dwight J. Ingle should have read, "Studies on man have shown beyond reasonable doubt that ability to learn and reason has a genetic basis." In the fourth line, the name of the first author referred to should have been "Newman."

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