

## NEWS AND COMMENT

(Continued from page 322)

to expanding teaching and research facilities in both public and private institutions through federal matching grants and loans totaling \$1 billion a year, and also to increasing the supply of college teachers through a major expansion—from 1500 to 5000 a year—of graduate fellowships under the National Defense Education Act.

Proposals for both a college construction bill and amendment of the NDEA were blocked in the last session of Congress after the flareup of controversy over federal aid to private institutions. In a statement accompanying its legislative recommendations the ACE said actions by Congress and the federal government in the past, indicate that "ample precedent exists for a program designed to develop both public and private institutions as a vital national resource."

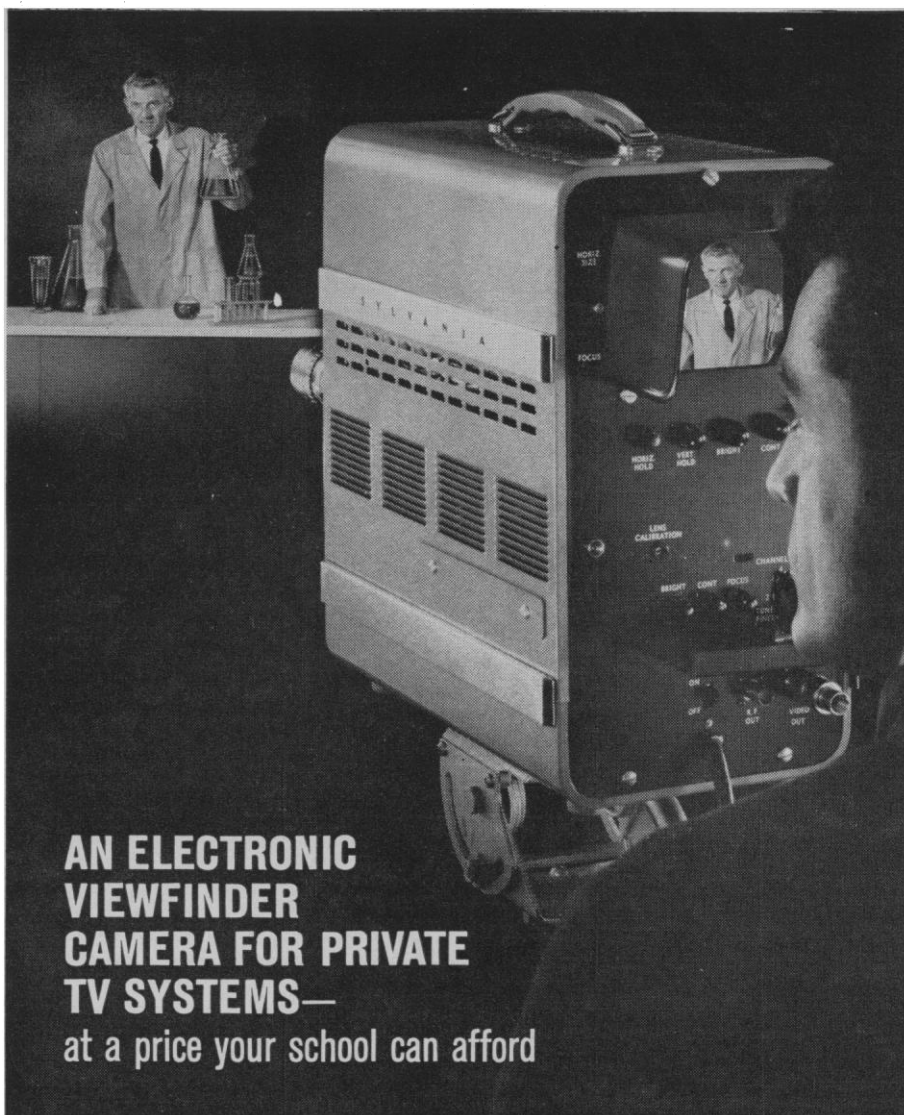
Other major proposals on the ACE's 11-point list were for federal programs of assistance in the construction of teaching facilities for medicine, dentistry, and other health professions and for liberalization of programs of financial assistance to undergraduates.

## Announcements

The National Science Foundation has established an information office to act as the clearinghouse and source of **information on the Antarctic**. Projects being carried out by the office include, in "various early stages of development," a monograph series, a map folio series, and a bibliography. The information office is part of the NSF Office of Antarctic Programs.

The Armed Services Technical Information Agency (ASTIA) this month began operating the initial phase of a rapid system for providing technical information by telephone. The system, which is intended to provide 1-hour service on unclassified materials, is available to scientists and engineers working directly or indirectly for the Department of Defense and for those whose organizations are eligible for ASTIA services. Classified material will be delivered by other means.

The first subject covered by the service is semiconductor devices. Topics to be added will include radiobi-



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ology, lasers, masers, ultraviolet, visible, and infrared radiation, metals and metallurgy, oceanography, plasma physics, biological warfare, rocket motors, and bionics. Documents are indexed on a specially developed "microthesaurus of specific retrieval terms."

The service is located at ASTIA, Arlington Hall Station, Virginia; the telephone number is 525-5800; extension 2479 is for information on semiconductor devices.

E. I. duPont deNemours and Company has awarded more than \$1,780,000 in grants to 168 U.S. colleges and universities. These grants are part of an effort to help strengthen the teaching of science and related subjects, fundamental research, and facilities for research and education in science and engineering.

The U.S. Office of Naval Research is conducting a psychological study of the approximately 19 Americans who plan an attempt to climb Mt. Everest this spring. James T. Lester, Jr., director of psychological services, Los Angeles Orthopedic Hospital, is conducting the investigation under a

\$35,000 ONR grant. He began his study by gathering personality data on the climbers, for background in his observations during the ascent. No tests will be performed during the ascent, although Lester may use tape recorders to gather some data.

Group and individual tests are being made in efforts to learn more about men's actions under stress conditions, to help understand the performance of certain military tasks, such as leadership in small groups isolated on submarines or at Arctic stations.

The Everest expedition is scheduled to leave Katmandu, Nepal, about 20 February, and to return near the end of June. Norman G. Dyrenfurth, a documentary film producer who has been with four other Himalayan expeditions, will lead the group. Other scientists on the trip will be University of Cincinnati sociologist Richard M. Emerson, who plans an investigation on communication "feedback" in small groups under stress conditions; Barry Bishop, physical geographer with the National Geographic Society, who will make solar radiation studies; and William E. Siri, University of California Donner Laboratory glaciologist.

## Grants, Fellowships, and Awards

The University of Wisconsin has available three graduate fellowships in the design of educational experiments. The fellowships, funded through the National Defense Education Act, are offered by the university's experimental design laboratory, department of experimental psychology, and will specialize in statistics, research design, and measurement.

Stipends are \$2000 for the first academic year, \$2200 for the second, and \$2400 for the third. An additional \$400 per year will be allowed per dependent. Deadline for applications: 15 February. (Julian C. Stanley, Education Building, University of Wisconsin, Madison 6).

National Science Foundation grants totalling \$2.5 million have been awarded for support of 74 summer institutes open to college teachers of science, mathematics, and engineering. The programs, which will last 6 to 10 weeks, will emphasize recent developments in the various fields, along with new approaches to classroom presentation of this material.

Participants in the program will be chosen by the institutes' staffs. Stipends will include tuition and fees, travel allowances, allotments for up to four dependents, and a maximum of \$75 per week. Inquiries and applications must be sent directly to the participating institutes, the names of which are available from NSF. (1951 Constitution Avenue, NW, Washington 25)

Graduate fellowships in cleft-palate therapy and rehabilitation are available at the University of Pennsylvania. Clinical training is offered at the Lancaster (Pa.) Cleft Palate Clinic. The annual stipend is \$5000, plus dependency allowances and annual increments. (Chairman, Committee on Traineeships and Fellowships, University of Pennsylvania, School of Dentistry, 4001 Spruce St., Philadelphia 4)

Stanford University medical school has fellowships available to qualified physicians interested in radiation therapy. Applicants must be graduates of an accredited medical school, and have completed 1 year of an approved internship. Stipends range from \$5000 to \$10,000, depending on previous experience.

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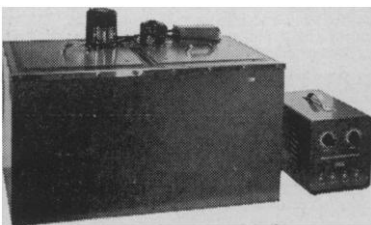
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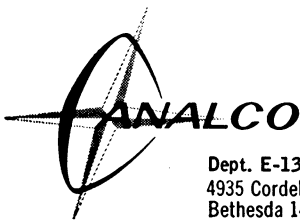


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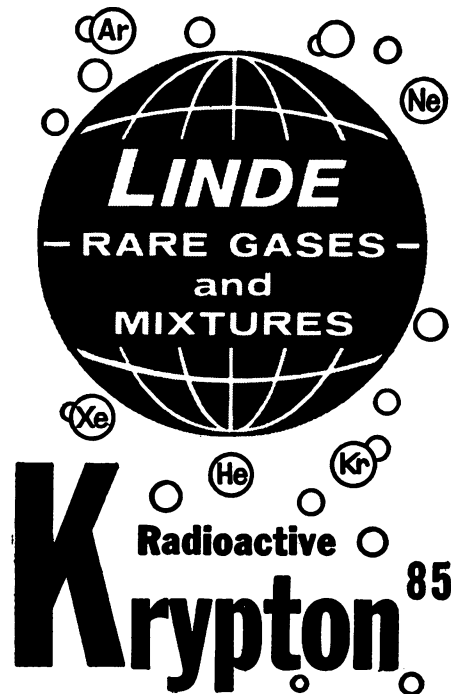
gen therapy, intestinal and intracavitary radium application, diagnostic and therapeutic uses of isotopes, clinical oncology, and training in clinical and experimental research. The second year of the program consists of full-time training in laboratory and clinical investigation under the immediate supervision of the departmental faculty. (Henry S. Kaplan, Department of Radiology, Stanford University School of Medicine, Palo Alto, Calif.)

Graduate fellowships and research assistantships in **oceanography and meteorology** are available for the 1963-64 academic year at Texas A&M. Twelve-month stipends range from \$2000 to \$4000 for the fellowships, and a minimum of \$2100 for assistantships. Fields of emphasis include physical oceanography, interaction between ocean and atmosphere, radar, satellite and agricultural meteorology, marine geochemistry and geophysics. (D. F. Leipper, Department of Oceanography and Meteorology, Texas A&M, College Station, Texas)

Fellowships in **industrial hygiene** are available from the U.S. Atomic Energy Commission. The fellowships lead to the master's degree, with some opportunities for work leading to the doctorate. A basic stipend will be allowed, plus allowances for spouse, dependent children, tuition, required fees, and travel. Complete information is contained in a brochure, "Careers in Individual Hygiene Through Atomic Energy Commission Special Fellowships." (Industrial Hygiene Fellowship office, Oak Ridge Institute of Nuclear Studies, P.O. Box 117, Oak Ridge, Tenn.)

The University of Southern California has announced a new interdisciplinary doctoral program in **chemical physics**, to begin in September 1963. The program is for graduate engineers, mathematicians, physicists, and chemists. Financial support is available in the form of fellowships and teaching or research assistantships. (Sidney W. Benson, Department of Chemistry, University of Southern California, Los Angeles 7)

Applications and nominations are being accepted for the **Kennedy Foundation visiting professorships**, recently established at George Peabody College for Teachers, Nashville, Tenn. Recipients will be investigators from fields



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that can contribute to a better understanding of mental retardation, such as genetics, biochemistry, physiology, psychology, education, pediatrics, psychiatry, sociology, and anthropology. Preference will be given to scientists who have not previously worked on mental retardation. Appointments will be made on an international basis. Nicholas Hobbs, George Peabody College, Nashville 5, Tenn.)

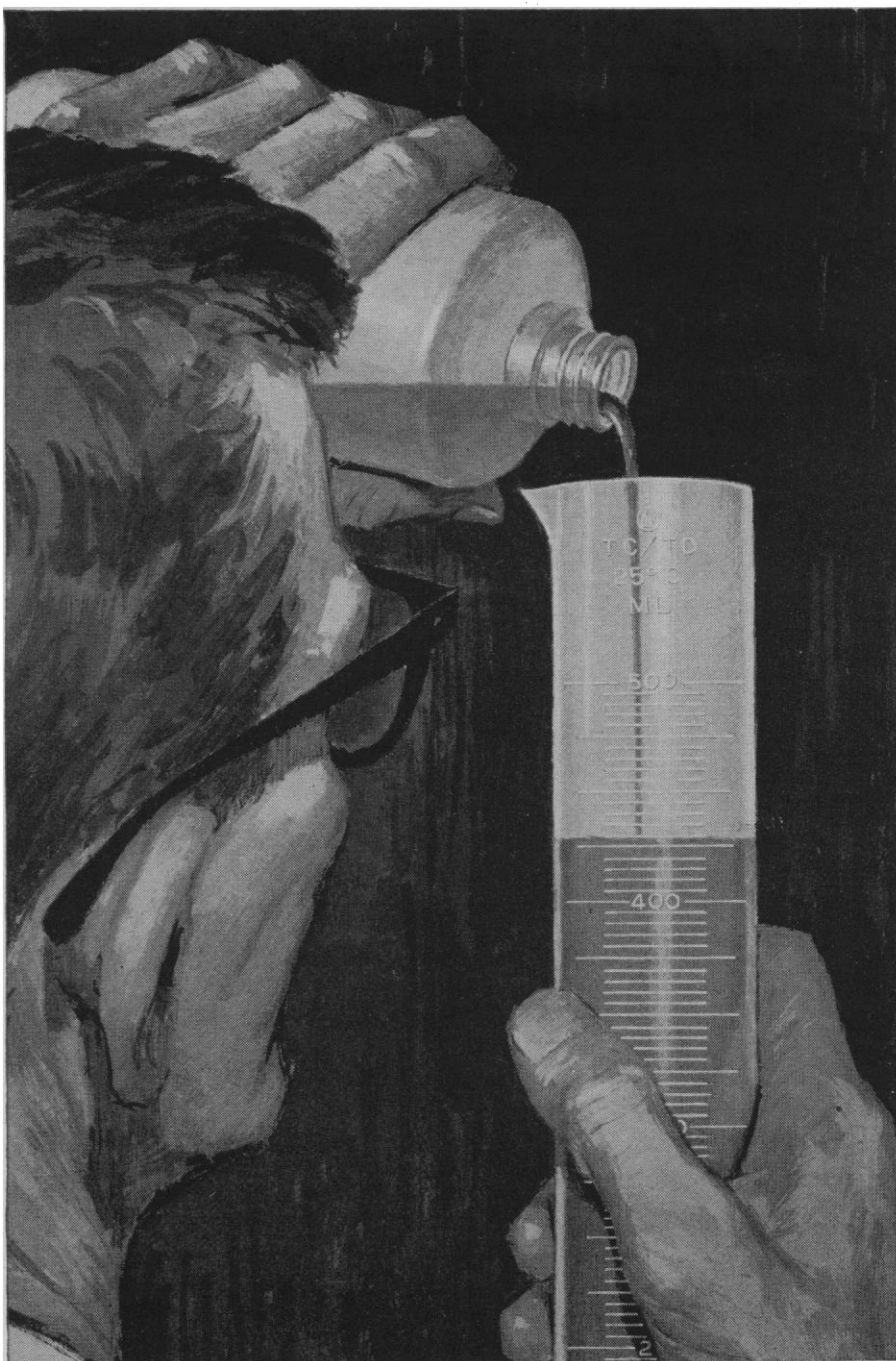
The University of Texas is accepting applications for the Mr. and Mrs. G. Moses Knebel fellowship in the **geology of hydrocarbons**. Applicants must be candidates for the Ph.D. degree in geology. The fellowship carries a stipend of \$3000 per school year, plus fees. (R. K. DeFord, graduate adviser, Department of Geology, University of Texas, Austin 12)

### Publications

A warning that the U.S. must channel its research efforts in natural resources to maintain its own supply of natural resources, and to aid underdeveloped areas, was issued this month by the National Academy of Sciences—National Research Council. **Natural Resources**, a summary report by the NAS-NRC Committee on Natural Resources, is the result of a White House request for information issued in 1961. The 40-page summary states that, although the U.S. is in a "relatively favorable position" regarding supply and use of natural resources, wise management is necessary now to assure their long-range availability.

At the same time, research and technological assistance "tailored to the specialized requirements of underdeveloped nations" must be offered to help meet the increasing needs for resources caused by these nations' rapid growth.

The U.S. Atomic Energy Commission has published a bibliography entitled "**Radioisotopes in World Industry**." The 131-page volume contains 569 selected abstracts of foreign literature dealing with world-wide applications of radioisotopes. In general the abstracts are from publications printed in languages other than English, but the bibliography itself is written in English. (Office of Technical Services, U.S. Department of Commerce, Washington 25, D.C. \$2.50. Order TID 6613 Suppl. 3)



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#### Summer Institutes

Oak Ridge Institute of Nuclear Studies, 1 July to 23 August, for high school physics and chemistry teachers. Entitled **Basic Principles and Recent Advances in Chemistry and Physics**, the institute is part of the Oak Ridge science lecture demonstration program, sponsored by the National Science Foundation and the U.S. Atomic Energy Commission.

Applicants must be teachers of at least two secondary school level physical science courses. Stipends, travel allowances, and allowances for dependents will be provided. (Oak Ridge Science Lecture Demonstration Program, Oak Ridge Institute of Nuclear Studies, P.O. Box 117, Oak Ridge, Tenn.)

Pennsylvania State University, 7 July to 17 August, in **animal behavior**. A maximum of 40 college teachers of zoology, psychology, sociology, or anthropology will participate in the program, sponsored by the National Science Foundation and the American Society of Zoologists.

Applicants must possess at least a master's degree in science, arts, or education, and have a minimum of two consecutive years of teaching experience. Deadline for receipt of applications: *15 February*. (M. W. Schein, Director, Summer Institute in Animal Behavior, 105 Weaver Bldg., University Park, Pa.)

Williams College, 1 July to 9 August, general **zoology** for college teachers of introductory biology courses. The program is planned by the college, in cooperation with the American Society of Zoologists, with the support of the National Science Foundation. Deadline for applications: *15 February*. (William C. Grant, Jr., Director, Summer Institute in General Zoology, Department of Biology, Williams College, Williamstown, Mass.)

#### Scientists in the News

**Eugene M. Landis**, head of Harvard University's physiology department, has become editor of *Circulation Research*, journal of the American Heart Association. He succeeds **Carl F. Schmidt**, emeritus professor of pharmacology, University of Pennsylvania medical school, whose term as editor expired 1 January.

**A. Allan Bates** has been appointed chief of the building research division, National Bureau of Standards. Bates formerly was director of New York University's University Valley project, which is a new center for education and research, in Sterling Forest, N.Y.

Columbia University professors **Lawrence H. O'Neill** (dean of the engineering and applied science school) and **James Gutmann** (professor emeritus of philosophy) have received "Great Teachers" awards from the university's Society of Older Graduates.

**Kurt Salomon**, professor emeritus of radiation biology and biochemistry, University of Rochester (N.Y.) medical school, has become head of the biochemistry division, NIH West African Research Laboratory, Accra, Ghana.

Washington University professor **Richard E. Norberg**, has been named chairman of the university's department of physics.

**Gordon H. Svoboda**, phytochemist at Eli Lilly and Company, has been elected president of the American Society of Pharmacognosy.

**R. Franklyn Morris**, entomologist in Canada's Federal Department of Forestry, has received the first gold medal of the Entomological Society of Canada. The award was presented in recognition of "his particularly significant work in the field of insect population dynamics."

**Robert H. Jerome**, of Douglas Missiles and Space Division, has been elected president of the Aerospace Electrical Society.

**Geoffrey F. Chew**, physics professor at the University of California Radiation Laboratory, Berkeley, has been awarded the 1962 American Physical Society prize. The \$2500 prize, sponsored by the Hughes Aircraft Company, is awarded for published work of a physicist less than 33 years of age. Chew received the award "for his continued efforts to understand meson-nucleon interaction."

**Eugene J. Levy**, senior research physicist at the Atlantic Refining Company, has been appointed senior research chemist at F & M Scientific Corporation, Avondale, Pa.



**Charles De Vore**, vice president and educational director of CREI Atomics, Washington, D.C., has been appointed to the staff of the executive assistant for scientific information, Office of Naval Research.

**David C. Rife**, geneticist and former deputy scientific attaché with the American Embassy in New Delhi, India, has joined the staff of the American Institute of Biological Sciences as coordinator of their international scientific programs.

**Charles A. Doan**, emeritus dean and professor of medicine, Ohio State University, has become president of the American Society of Hematology.

**Henry M. Davis**, professor of chemical metallurgy at Pennsylvania State University, has been named director of the metallurgy and ceramics division at the Army Research Office-Durham (N.C.).

**W. C. Osman Hill**, formerly prosecutor, Zoological Society of London, has been named associate director of Emory University's Yerkes Regional Research Center, Orange Park, Fla.

#### Recent Deaths

**Samuel L. Eby**, 84; emeritus professor of secondary education, University of Cincinnati; 3 Jan.

**Charles S. Hollander**, 85; retired member of Rohm and Haas, Philadelphia; 50-year member of American Chemical Society; 10 Dec.

**George D. Jernegan**, dean of students, the Institute of Paper Chemistry, Appleton, Wisc.; 11 Jan.

**Marjorie M. Nelson**, 53; associate research anatomist and lecturer, University of California; president-elect, Teratology Society; 28 Nov.

**Ruth I. Walker**, 66; retired botany professor, University of Wisconsin; 16 Dec.

**Erratum:** In the News and Comment story on Congress (*Science*, 18 Jan. 1963, page 201) three sentences in the third column should read: Rules Committee chairman Howard Smith of Virginia, who is known in the House by the Southern honorific "Judge," which is particularly appropriate in his case, has a special escape device at his disposal. His committee, unlike most other committees, does not have regular meeting times set.

The Rules Committee's reputation as a place where education measures go to die is supported by the fact that of 22 bills held in the Rules Committee at the end of the last session, 16 had been reported out of the Education and Labor Committee and half were education bills.

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