

of grants in this program was announced 25 January. The two groups provide for a total of 750 participants at 80 institutions, at a total cost of about \$1,244,000. Participating teachers will receive stipends of up to \$75 per week plus allowances for travel and dependents. A list of cooperating institutions may be obtained from the NSF (Washington 25, D.C.).

**Medical student research.** The Lederle Laboratories Division of the American Cyanamid Co. has announced that it is making available to medical schools throughout the United States and Canada Lederle medical student fellowships for the year 1960. These fellowships, in amounts not exceeding \$600 per year for any one individual, are intended to relieve in part the financial burden of students who desire to devote their summer vacations to research in the preclinical departments.

Applicants must have good scholastic standing and must have the consent of the faculty member under whose supervision their research is to be conducted. The selection of students to receive such awards will be made by the dean of the medical school, or by the regularly constituted committee of the faculty charged with such selections. By special permission of the dean or the fellowship committee of the school, the student may carry on such research in another medical school, provided that satisfactory arrangements are previously made with the faculty member of the school and the department in which the student is to carry on his research.

**Physiological psychology.** St. John's College, Cambridge, England, is seeking candidates for this year's Kenneth Craik research award, which is for the assistance of postgraduate research, preferably in physiological psychology. Persons of either sex and of any academic standing are eligible. The award recipient need not be, and is not required to become, a member of the college and need not reside in the University of Cambridge, but must submit such reports on the place, nature, and progress of his or her research as the college council may require.

The value of the award will be £450 a year. The council may pay part of the award in the form of a grant or grants to meet specified costs incurred in connection with the research undertaken; such costs may include the costs of travel, of pur-

chasing or hiring apparatus or other equipment, or of obtaining technical or clerical assistance.

The award will be tenable from 1 October 1960 for a period of not less than 1 year or more than 3 years, as the council shall decide. If the period decided upon is less than 3 years, the tenure may be subsequently extended, but the award may not be held by the same person for more than 3 years in all.

Applications should be sent to The Master, St. John's College, Cambridge, to reach him *not later than 4 April*. They should be accompanied by full particulars about the applicant; by a statement of the nature and probable duration of the postgraduate research contemplated and of the place where he or she intends to pursue it; by particulars about any further financial assistance the applicant expects to receive; and by the names and addresses of not more than three persons to whom the council may refer. No testimonials should be sent.

## News Briefs

**Chinese nuclear test?** It is rumored that a small atomic bomb of "Hiroshima size" will be exploded on the Chinese mainland. A member of the Indian parliament is reported to have said that a "whole chain of people" in Communist China have told him about the nuclear test, which may be scheduled to take place on 28 March near Urumchi, capital of Sinkiang province. The 10 March *Manchester Guardian Weekly* says that Emelyanov, chairman of the Soviet Atomic Energy Administration, has dismissed the rumor as a "fairytale."

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**Tribute.** The National Association of Science Writers has made a gift of \$100 to the National Multiple Sclerosis Society in memory of Dorothy Negus, wife of Sidney S. Negus, an honorary member of the association and AAAS director of public information. Negus is professor of biochemistry at the Medical College of Virginia in Richmond.

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**Westinghouse talent search.** Jerome G. Spitzner of St. James, Minn., has been chosen from a field of 29,000 high-school seniors from every state in the union as winner of the \$7500 Westinghouse Science Scholarship—top award in the 19th annual Science

Talent Search. He designed and built a spherical ion accelerator for his talent search project. His scholarship was one of five scholarships and 35 cash awards recently presented in Washington to the 9 girls and 31 boys who were this year's winners. Other scholarship recipients were Melvin Hochster, Brooklyn, N.Y., \$6000; Frank Podosek, Ludlow, Mass., \$5000; Charles H. Bennett, Croton-on-Hudson, N.Y., \$4000; and Betty Lou Snarr of Oklahoma City, Okla., \$3000.

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**Non-Communist affidavit.** Two more colleges have withdrawn from the student-loan program of the National Defense Education Act because it requires a "non-Communist" affidavit. These are the interdenominational Theological Center in Georgia and Wesleyan University in Connecticut. The total number of withdrawals so far is 15 colleges. One more institution, Beloit College in Wisconsin, has declined to take part in the program rather than fulfill the affidavit requirement; this brings to eight the number of institutions that have refused to participate. Forty-eight other institutions have objected to the affidavit while remaining in the program, raising the over-all total of college protests to 71. Bills for the repeal of the affidavit requirement are pending in both houses of Congress.

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**World health day.** World health day, 7 April, is the anniversary of the day on which the World Health Organization came into being. The organization, which has a membership of 90 countries, was established in 1948. It is one of the specialized agencies of the United Nations. The theme of World Health Day 1960 is "Malaria Eradication—A World Challenge." Under WHO leadership, the countries of the world are engaged in a united effort to wipe out this disease. This is the first such world-wide eradication campaign.

## Scientists in the News

The 1959 Viking Fund Medalists in anthropology were awarded prizes of \$1000 each at the 14th annual banquet of the Wenner-Gren Foundation for Anthropological Research. The recipients were as follows.

**William W. Greulich**, chairman of the department of anatomy at Stanford University, selected by the American Association of Physical Anthropology.

**Irving Rouse**, professor and head of

the department of anthropology at Yale University, selected by the Society for American Archaeology.

**Leslie A. White**, professor of anthropology at the University of Michigan, selected by the American Anthropological Association.

**Clark T. Randt**, scientist for space medical research for the National Aeronautics and Space Administration, has been appointed director of NASA's new Office of Life Sciences.

**Charles R. Mallary**, medical officer in charge of the Public Health Service Indian Health Area, Albuquerque, N.M., has been named assistant surgeon general and appointed deputy chief of the Public Health Service's Bureau of Medical Services. He succeeds **Arnold B. Kurlander**, who has been assigned to the Surgeon General's office.

**Watson Davis**, director of Science Service, will receive the James T. Grady Medal for reporting in the field of chemistry, at the 137th meeting of the American Chemical Society.

**Alan J. Hodge**, research associate in biology at Massachusetts Institute of Technology, has been appointed to a professorship at the California Institute of Technology, where he will develop a new laboratory of electron microscopy.

**J. Calvin Brantley**, assistant director of research for Union Carbide Nuclear Co., a division of the Union Carbide Corp., has been appointed director of research for the division.

**S. G. Soal** and **H. T. Bowden** have been awarded the fourth William McDougall Award for their book *The Mind Readers*. The staff of the parapsychology laboratory at Duke University chose this work as the most representative research study in the field, published during 1959. Soal retired in 1954 as senior lecturer in pure mathematics at Queen Mary College, University of London; Bowden is a member of the Council of the Society for Psychological Research in Great Britain.

**John R. Bowman**, associate dean of engineering and professor of engineering sciences at Northwestern University, is on academic leave at the University of Alaska.

**John M. Richardson**, chief of the gaseous physics group at the Boulder Laboratories of the National Bureau of Standards, received the Boulder Scientist Award for 1959 at a meeting of the Boulder branch of the Scientific Research Society of America. Richardson was cited for his paper on the evaluation of oxygen microwave absorption as a possible atomic frequency standard.

**Verner J. Wulff**, professor of zoology and chairman of the department at Syracuse University, has accepted a research position at the Masonic Research Laboratory in Utica, N.Y. **Fredrick G. Sherman**, professor of biology at Brown University, succeeds him at Syracuse.

**James M. Gavin**, executive vice president of Arthur D. Little, Inc., has been elected president of the company. He succeeds **Raymond Stevens**, who has been named chairman of the executive committee. Gavin retired from the Army in 1958 after serving as chief of Army Research and Development.

**Stevenson Buchan**, chief geologist of the water division of the Geological Survey and Museum, London, England, will be in the United States until April. His itinerary includes New York, Washington, Urbana (Ill.), Bloomington (Ind.), Lexington (Ky.), and Iowa City (Iowa).

**Barnett F. Dodge**, professor and chairman of the department of chemical engineering at Yale University, will discuss fresh water from the ocean and other saline waters, from 28 March through 30 April, at a number of colleges and universities, as a Sigma Xi national lecturer.

The Case Institute of Technology, Cleveland, Ohio, has announced the appointment of the following scientists.

**Carl Schalen**, professor of astronomy at the state university at Lund, Sweden, as visiting professor of astronomy.

**Herbert Shepard**, adjunct associate professor of psychology at New York University, as professor of behavioral science in the department of management.

**R. M. Thaler**, staff member of the Los Alamos Laboratory, as associate professor of physics.

**Richard S. Varga**, numerical analyst with the Westinghouse Electric Corp., as professor of mathematics.

## Recent Deaths

**Aleksandar Belic**, Belgrade, Yugoslavia; 84; chairman of the Serbian Academy of Science since 1937; creator of modern Serbo-Croat orthography; 26 Feb.

**Joseph E. Fleury**, Rangoon, Burma; 69; paper technology specialist for the Armour Research Foundation of Illinois Institute of Technology; staff member of the Union of Burma Applied Research Institute; 6 Feb.

**Walter C. Hausheer**, New Brighton, N.Y.; 65; researcher in tropical medicine with the Rockefeller Foundation from 1919 to 1928; associate medical director of the Prudential Insurance Co. until 1959; 25 Feb.

**Ezra J. Kraus**, Corvallis, Ore.; 74; visiting professor in horticulture at Oregon State University; chairman of the department of botany at the University of Chicago from 1934 to 1949; developer of the weed killer dichlorophenoxyacetic acid and of many new varieties of chrysanthemum; 28 Feb.

**Alden E. Noble**, Stockton, Calif.; 61; marine biologist and parasitologist; professor and chairman of the department of zoology at the College of the Pacific; former director of the Pacific Marine Station; 19 Feb.

**Edward L. Rice**, Urbana, Ill.; 88; professor emeritus of zoology at Ohio Wesleyan University; author of *An Introduction to Biology*; 4 Feb.

**Tom D. Spies**, New York, N.Y.; 57; professor of nutrition and metabolism and chairman of the department at the Medical School of Northwestern University; pioneer in pellagra research; author of books and articles on clinical nutrition; 28 Feb.

**William A. Whitaker**, New York, N.Y.; 76; inventor of a process for the flotation of oxidized ores; formerly professor of chemistry and metallurgy at the University of Kansas; 28 Feb.

**George Winchester**, New Brunswick, N.J.; 85; professor emeritus of physics at Rutgers University; specialist in photoelectricity, surface tension, low temperatures, and solar radiation; 14 Feb.

*Erratum:* The second sentence of the third paragraph of the report by A. N. Epstein, "Water intake without the act of drinking" [*Science* 131, 497 (19 Feb. 1960)], should have read "With this in mind, a chronic gastric tube for rats was developed that is passed through the nasopharynx, thus bypassing the head and oropharyngeal receptors." In the published report, a corrected version of a line from the following sentence, "nasopharyngeal gastric tubes were first," was substituted for the words "nasopharynx, thus bypassing the head. . . ."