

privately owned, and, therefore, subject to licensing by the commission. The new policy extends to the public the same opportunity with respect to reactors in the program that are commission-owned.

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A behavioral science computer newsletter is being started as a department of the quarterly journal *Behavioral Science*, which is published by the Mental Health Research Institute of the University of Michigan. Behavioral scientists are making increasing use of high-speed computers in many novel ways, but there is a rather serious lack of communication among them, leading to duplication of effort. The newsletter, which will appear in April, has been established to help remedy this situation.

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Seventeen more countries will participate in the Public Health Service's international research training program, Surgeon General Leroy E. Burney has announced. The program, started a year ago, provides medical research training in this country for scientists from abroad. With the 17 announced this month, 30 countries are now participating in the program.

The 17 new participants are: Argentina, Australia, Brazil, Ceylon, Chile, Colombia, El Salvador, India, Iran, Japan, Mexico, New Zealand, Pakistan, Peru, the Philippines, Thailand, and Uruguay.

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Insect collections of the Smithsonian Institution have been enriched by more than 30,000 beetles gathered in El Salvador by O. L. Cartwright of the U.S. National Museum. The specimens consist chiefly of scarabs, which include some of the largest and most fantastic members of the class Insecta in their world-wide distribution and which are known in art as the Egyptian symbols of immortality. The El Salvador collection, which awaits systematic study, apparently contains no very unusual types but represents an area hitherto almost unrepresented in collections.

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An 85-foot-diameter steel tracking antenna, capable of receiving radio signals from a distance in space of more than 400,000 miles, has provided a wealth of scientific data obtained from Pioneer IV. The antenna is located in a natural bowl-shaped area in a remote site on the Camp Irwin Armor Combat Training Center reservation of the U.S. Army near Goldstone Dry Lake in California.

The intricate unit is specifically designed for tracking and communicating with far-reaching space vehicles as part of this country's space exploration program. The initial range of 400,000 miles will be increased to 40 million miles in 1960, and 4 billion miles in 1962, by

improving the efficiency of the "dish" as a receiver and by improving the power and size of space vehicle radio transmitters.

Grants, Fellowships, and Awards

Cardiovascular reporting. The American Heart Association has announced the seventh annual competition for the Howard W. Blakeslee Awards for outstanding reporting in the field of heart and blood vessel diseases. Selections will be made from among newspaper and magazine articles, books, radio and television programs, and films published or produced between 1 March 1958 and 28 February 1959. The deadline for entries is 1 May. The number of winners to be selected will be determined by the judges. The awards carry an honorarium of \$500 each. Entry blanks and rules folders may be obtained from local heart associations or from the American Heart Association, 44 E. 23 St., New York 10, N.Y.

Laboratory equipment. Scientists and science teachers in colleges, universities, and nonprofit organizations have been invited by the National Science Foundation to submit proposals for the construction of better laboratory equipment for use in the nation's schools. Under the terms of a new, experimental program, the foundation will consider proposals for the design and construction of improved laboratory equipment and for the development of new instructional materials for lecture demonstrations and for laboratory and field work for courses at elementary, secondary, and undergraduate college levels in mathematics, astronomy, earth sciences, physical and biological sciences, and engineering.

Proposals, signed by the project director and a responsible officer of the sponsoring college, university, or scientific organization, should clearly describe the work to be done, give the qualifications of the personnel involved, show how the proposed material will be evaluated and eventually made generally available, and present a detailed budget. Support under this program will not be provided for the purchase of equipment for refurbishing school and college laboratories or for commercial production of equipment or materials.

Because the new program is experimental in nature, funds are limited and grants will be relatively small. Although proposals may be submitted at any time, those to be considered for support during the current fiscal year should be sent *before 15 April* to the Course Content Improvement Section, Division of Scientific Personnel and Education, National Science Foundation, Washington 25, D.C.

Scientists in the News

LEONARD J. BRASS, associate curator, and HOBART M. VAN DEUSEN, assistant curator, of the department of mammals of the American Museum of Natural History left on 13 March on the sixth Archbold expedition to New Guinea. The main purpose of the trip, which will last at least 7 months, is to study the geographical and ecological relationships of the animal and plant life of the New Guinea and Australian area as a whole.

This series of expeditions is sponsored by Richard Archbold, research associate at the museum. The present trip is also being supported by a National Science Foundation grant to Brass, and by a grant to Van Deusen from the Explorers Club of New York.

The following scientists from the United Kingdom are now visiting the United States:

B. A. NEWTON, member of the Medical Research Council's Chemical Microbiology Research Unit, School of Biochemistry, Cambridge, England, arrived on 31 March to visit protozoological research centers in New York, Atlantic City (N.J.), Amherst (Mass.), Detroit, Chicago, Cleveland, Washington (11-18 May), Oak Ridge and Nashville (Tenn.), New Orleans, Houston, Los Angeles, San Francisco, and Montreal. He will leave the country on 10 July.

J. A. POPLE, superintendent, Basic Physics Division, National Physical Laboratory, Teddington, England, arrived on 31 March to attend a meeting of the American Physical Society (High Polymer Physics Division) Cambridge, Mass., and to attend some of the meetings of the American Chemical Society in Boston. His itinerary also includes Washington (7-12 and 20-23 April), Ottawa, Durham (N.C.), and New York. He will leave the country on 23 April.

KENNETH E. NEWLAND, director of the department of aviation at Stephens College, Columbia, Mo., has been appointed curator of the National Air Museum, Smithsonian Institution, Washington, D.C. He will take up his duties at the museum in June.

Twenty-five physicians, teachers, and research workers on the faculties of medical schools in the United States and Canada have been appointed Markle Scholars in Medical Science by the John and Mary R. Markle Foundation, New York. Each appointment carries with it a \$30,000 grant, appropriated to the medical school where the scholar will teach and conduct research, to be used for 5 years for his support and to aid his

research. The 1959 Markle scholars are as follows:

BRUCE M. BRECKENRIDGE, instructor, pharmacology, Washington University School of Medicine (St. Louis).

CHARLES L. CHRISTIAN, instructor, internal medicine, Columbia University College of Physicians and Surgeons.

GEORGE O. CLIFFORD, assistant professor, internal medicine, Wayne State University College of Medicine.

N. JOEL EHRENKRANZ, assistant professor, internal medicine, University of Miami School of Medicine (Coral Gables).

CLIFFORD W. GURNEY, assistant professor, internal medicine, division of the biological sciences, University of Chicago.

ARTHUR HAUT, instructor, internal medicine, University of Utah College of Medicine.

CARL F. HINZ, JR., instructor, internal medicine, Western Reserve University School of Medicine.

MICHAEL HUME, instructor, surgery, Yale University School of Medicine.

GUY LEMIEUX, instructor, internal medicine, University of Montreal Faculty of Medicine (effective 1 July).

JEROLD F. LUCEY, assistant professor, pediatrics, University of Vermont College of Medicine (effective 1 July).

ERNEST E. McCOY, instructor, pediatrics, Vanderbilt University School of Medicine.

GERARD B. ODELL, instructor, pediatrics, Johns Hopkins University School of Medicine.

MARSHALL J. ORLOFF, assistant professor, surgery, University of Colorado School of Medicine.

SUYDAM OSTERHOUT, associate, internal medicine, Duke University School of Medicine.

BARRY PIERCE, assistant professor, pathology, University of Pittsburgh School of Medicine.

JOHN RANKIN, assistant professor, internal medicine, University of Wisconsin Medical School.

PHILIP N. SAWYER, instructor, surgery, State University of New York Downstate Medical Center College of Medicine.

HUNTINGTON SHELDON, assistant professor, pathology, McGill University Faculty of Medicine (effective 1 July).

THOMAS E. STARZL, instructor, surgery, Northwestern University Medical School (effective 1 July).

AUGUST G. SWANSON, instructor, neurology, University of Washington School of Medicine (Seattle).

WILLIAM G. THURMAN, instruc-

tor, pediatrics, Tulane University School of Medicine.

ARTHUR C. WHITE, instructor, internal medicine, University of Louisville School of Medicine.

ALBERT I. WINEGRAD, associate, internal medicine, University of Pennsylvania School of Medicine.

F. EUGENE YATES, associate, physiology, Harvard Medical School.

ROBERT ZEPPA, instructor, surgery, University of North Carolina School of Medicine.

The following scientists have each received a 1958 Viking Fund Medal and a \$1000 award from the Wenner-Gren Foundation for Anthropological Research: RAYMOND W. FIRTH, professor of social anthropology at the University of London; HENRI V. VALLOIS, physical anthropologist and director of the Musée de l'Homme, Paris; and JESSE D. JENNINGS, archaeologist at the University of Utah.

ROBERT M. PAGE, director of research, U.S. Naval Research Laboratory, Washington, D.C., received the third annual Captain Robert Dexter Conrad Award of the Office of Naval Research. He was honored "for his outstanding contributions to science—especially in the fields of radio communications, radar and electronics—and for his dedicated service to the Navy as a civilian scientist."

ALEXANDER DALGARNO, professor of theoretical physics at Queens University of Belfast, Belfast, Northern Ireland, will be spending the summer as principal physicist with the Geophysics Corporation of America, Boston, Massachusetts.

GEORGE P. SUTTON, Hunsaker professor of aeronautical engineering at the Massachusetts Institute of Technology, has been named chief scientist of the Defense Department's Advanced Research Projects Agency. He will direct the work of 50 scientists and engineers in the Pentagon's space and antimissile research programs.

EMIL WITSCHI, professor of zoology at the State University of Iowa, has been invited by the Minister of National Education of France to serve as visiting professor at the University of Paris. He intends to present lectures on the "Biology of Reproduction" during the spring term, 1 April to 30 June.

DAVID J. PEERY, until recently vice president of Haller, Raymond and Brown, Inc., and JOHN C. STEWART, theoretical physicist at General Electric Company's Knolls Atomic Power Labo-

ratory in New York, have been named research staff members at General Dynamics Corporation's General Atomic Division, San Diego, Calif.

Recent Deaths

WALTER A. ADAMS, Chicago, Ill.; 58; chief of psychiatry at Provident Hospital; conducted a clinic for narcotics addicts at the hospital; had served as a psychiatrist for the Chicago Juvenile Court branch of the Illinois Institute for Juvenile Research; 8 Mar.

MAX GERSON, New York; 77; specialist in the treatment of cancer and tuberculosis; head of a cancer clinic in Nanuet, N.Y.; born in Germany, he came to the U.S. in 1936, after having lectured at European universities; author of *A Cancer Therapy*, which was published in 1958; 9 Mar.

RICHARD B. MILLER, Edmonton, Alberta, Canada; 43; head of the department of zoology at the University of Alberta; vice president of the Wildlife Society of America in 1957; 23 Feb.

S. WEIR NEWMAYER, Philadelphia, Pa.; 79; physician who published 18 books on ophthalmology; had been a medical supervisor for the Board of Education and a medical inspector of the Bureau of Health; 1 Mar.

ROBERT M. OGDEN, Ithaca, N.Y.; 81; dean of the College of Arts and Sciences at Cornell University from 1923 until his retirement in 1945; had taught at the universities of Missouri, Tennessee, and Kansas; past president of the Southern Society of Philosophy and Psychology and of the Association of Colleges and Universities of the State of New York; 2 Mar.

FRANK D. ROSSOMONDO, Hawthorn, N.J.; 56; medical director of McGraw-Hill Publications in New York since 1912; served on the staffs of Bellevue and French hospitals in New York; 8 Mar.

WILLEM RUDOLFS, New Brunswick, N.J.; 73; specialist on water and sewage problems; retired in 1952 as chairman of the department of sanitation at Rutgers University after having headed the department for 30 years; 20 Feb.

HINSDALE SMITH, Brattleboro, Vt.; 89; early inventor in the automobile industry; together with his brother, operated the Metal Body Company, Springfield, Mass.; developed a six-cylinder automobile; 7 Mar.

FRANK TWYMAN, London, England; 82; pioneer in the development of optical instruments and in spectrochemical analysis; manager of the Otto Hilgers optical equipment firm; developed a method of testing optical components by interferometers; 6 Mar.