

Announcements

A center for research and training in biological and sociological aspects of **population problems** will be established at Georgetown University. The project is under a \$150,000 Ford Foundation grant. Benedict J. Duffy, former professor of preventive medicine at Seton Hall University, has been named executive director of the program. A policy committee for the operation of the center will consist of: John C. Knott, director, Family Life Bureau, Catholic Welfare Conference; Msgr. Joseph Gremillion, South American Division, Catholic Relief Services; Harold Dorn, NIH; Charles Westoff, Princeton, and Franklin T. Brayer, Georgetown University.

The U.S. Public Health Service has established a committee to help appraise proposals for grants from the Division of **Air Pollution**. The committee, consisting of nine persons in the physical and biological sciences, will be headed by John T. Middleton, director of the University of California's Air Pollution Research Center.

Courses

Qualified civilians are eligible to enroll in a graduate-level correspondence course in the **economics of national security**. The course is offered, free of charge, by the Industrial College of the Armed Forces, and takes approximately 1 year to complete. It is divided into five units: background, resources and facilities, and processes in the economics, the foreign aspects, and problems of national security. Texts will be provided.

Although a college education is a desired prerequisite, applicants who do not have a degree will be considered. (Commandant, Industrial College of the Armed Forces, Ft. Lesley J. McNair, Washington 25. Attn: Correspondence Course Division)

Columbia University has established a graduate program in **space physics** in cooperation with the Institute for Space Studies of the National Aeronautics and Space Administration. The course, offered jointly by the university's departments of astronomy, geology, and physics, will lead to a Ph.D. degree in any of those departments.

Applicants accepted in the program

may compete for 12 NASA-sponsored predoctoral grants, which carry stipends of \$2400 to \$3400, plus tuition and fees. Fellowships and teaching assistantships are also available. (Robert Jastrow, Department of Geology, Columbia University, New York 27)

Scientists in the News

The following scientists have received 1962 Institute of the Aerospace Sciences awards:

C. Stark Draper, head, aeronautics and astronautics department at M.I.T., the Louis W. Hill Space Transportation award, for "leadership in the development of . . . techniques vital to the success of space flights."

Walter C. Williams, of the NASA Manned Spacecraft Center, Houston, Tex., the Sylvanus A. Reed award, for "contributions to NASA research flight programs which have demonstrated the practicability of manned control of supersonic and space flight vehicles."

Jacob A. B. Bjerknes, meteorology professor, university of California, Berkeley, the Robert M. Losey award for his investigations on air masses and waves, which have aided in modern weather forecasting for flights.

James L. Goddard, chief, Communicable Disease Center, U.S. Public Health Service, Atlanta, Ga., the John Jeffries award for his contributions to the "medical support of civil aviation activities."

Mark K. Smith, director of seismic research for Geophysical Service, Inc., has been named research vice president of the organization.

G. M. Friedman, researcher at the Pan American Petroleum Corp., has been named to receive the 1961 *Journal of Sedimentary Petrology* "Best Paper" award at the 1963 convention of the American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists. His winning paper described a new method for determining the type of environment in which sandstones were formed.

Francis T. Miles, former deputy chairman of the nuclear engineering department, Brookhaven National Laboratory, has become director of the reactor division, International Atomic Energy Agency. He will be stationed at the IAEA headquarters in Vienna.

David D. Perkins, genetics professor at Stanford University, has been named editor of *Genetics*, journal of the Genetics Society of America.

At the Boulder, Colo., Laboratories of the National Bureau of Standards, **Ernest K. Smith**, chief of the ionosphere research and propagation division, has become chief, upper atmosphere and space physics division. He is succeeded by **Robert W. Knecht**, former chief, sun-earth relationships section.

Werner Paul Wolf, solid state physicist at Oxford University, has been named associate professor of physics and applied science at Yale University.

Fred Hillig, formerly a research chemist with the Food and Drug Administration, has become director of the food division at the Drug Detection and Development Organization, Washington, D.C.

B. B. Brown, chemical research director at S. B. Penick Co., has been named director of the firm's research laboratories, Jersey City, N.J.

Fergus W. Campbell, director of medical studies at St. John's College, Cambridge University, is serving as visiting professor of biomedical engineering at Northwestern University for the winter quarter, until 23 March.

Quentin N. Myrvik, associate professor of microbiology, University of Virginia medical school, has been named chairman of the microbiology department, Bowman Gray School of Medicine, Wake Forest College, in Winston-Salem, N.C. He will take office 1 July.

Recent Deaths

Arthur H. Graves, 83; curator emeritus, Brooklyn Botanic Garden, 31 Dec.

Jean Felix Piccard, 79; professor emeritus of aeronautical engineers, University of Minnesota; stratosphere balloonist and cosmic ray researcher; 28 Jan.

Mary E. Sauer, 60; associate professor of anatomy, University of Texas Medical Branch; 14 Jan.

Erratum: In the article "Prehistory in Shanidar Valley, Northern Iraq" by R. S. Solecki [*Science* 139, 179 (1963)], reference 4 in the caption for Fig. 12, should have read "J. Franklin Ewing, S.J."