Development Center, Ohio, the equipment rotates the earth's magnetic field electronically around the aircraft or missile. This eliminates the time-consuming checks by several men that have been necessary heretofore.

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A small exploratory mission of the International Atomic Energy Agency in Vienna has gone to Cairo to consult with the government of the United Arab Republic on the possible production of uranium phosphate ores and on the production of heavy water. The experts of the mission are B. V. Nevsky of the U.S.S.R. and Victor Thayer of the United States.

Grants, Fellowships, and Awards

General. The National Science Foundation has announced a new program of cooperative graduate fellowships under which approximately 1000 fellowships will be provided for graduate students in the sciences and engineering. Fellows will be selected solely on the basis of ability. This program is in addition to the foundation's regular predoctoral, postdoctoral, senior postdoctoral, and science faculty fellowship programs.

In the first experimental year of operation, applicants may apply to study at one of 115 designated colleges and universities—those which have awarded an average of at least one doctoral degree annually over the last 4 years of record in the disciplines covered. Applicants will apply through the institution of their choice and initially will be evaluated by the faculty. Applications will be forwarded, together with the institution's recommendations, to the NSF.

Tenures of from 9 to 12 months are optional with the fellow. Fellows will receive a basic annual stipend of $2200 from NSF funds. Modest supplemental support may be extended by the institutions themselves to encourage fellows to undertake limited teaching responsibilities. In addition, the foundation will provide to each institution, in lieu of tuition and fees, a fixed amount for each cooperative graduate fellow enrolled at the institution.

Application materials can be obtained from the graduate dean of a participating institution or from the Fellowships Section, Division of Scientific Personnel and Education, National Science Foundation, Washington 25, D.C. Applications must be submitted to the graduate dean of the participating institution of the applicant's choice *by 15 December.*

Natural sciences. The Weizmann Institute of Science, Rehovoth, Israel, has announced two Chaim Weizmann Memorial Fellowships for 1959–60. These annual fellowships in the natural sciences are tenable for a period of 12 months. They are intended for scientists with several years of postdoctoral research experience. It is expected that the candidate will have worked in a field close enough to one of the subjects under investigation at the Weizmann Institute to be able to join an existing research team.

The stipend includes round-trip fare by air for the scientist and his family and an adequate living allowance in Israel in local currency. The institute endeavors to help find suitable accommodations. Applications should reach the Academic Secretary, Weizmann Institute of Science, Rehovoth, Israel, *not later than 31 December.* Further particulars and application forms may be obtained from the academic secretary.

Science teaching. The National Science Foundation has announced a new program of summer fellowships for graduate teaching assistants. Designed to enable graduate teaching assistants to devote their full summer to study and research, the fellowships, approximately 550 in number, will be offered for study in the sciences and in engineering.

In the first experimental year of operation, 115 colleges and universities which have awarded an average of at least one doctoral degree annually for the last 4 years of record in the disciplines covered will participate in the program. Applicants, who must be citizens of the United States now serving as teaching assistants in these colleges and universities, will apply through their own institutions and will be screened and evaluated initially by their faculties. They will be judged solely on the basis of ability. The applications will be forwarded, together with the institution's recommendations, to the National Science Foundation.

Summer tenures from 8 to 12 weeks may be selected by the fellow. The weekly stipend will range from a minimum $50 up to a maximum of $75 per week, the exact amount to be determined by the fellow's institution according to local conditions. Payment of stipends will be made by the participating institutions from funds provided them for that purpose by the foundation. In addition, the foundation will pay to each institution the tuition and fees of its fellows.

Application materials may be obtained from the graduate dean of a participating institution or from the Fellowships Section, Division of Scientific Personnel and Education, National Science Foundation, Washington 25, D.C. Teaching assistants in participating institutions must submit their applications to their graduate deans by *15 December.*

Scientists in the News

ALBERT H. COONS, visiting professor of bacteriology and immunology at the Harvard Medical School and career investigator of the American Heart Association, received the eighth annual Kimble Methodology Research Award at the recent Conference of State and Provincial Public Health Laboratory Directors in St. Louis. He was honored for his development of a method for the prompt diagnosis of such infectious virus diseases as influenza, measles, mumps, and chicken pox.

Coons' method uses a fluorescent dye and ultraviolet light to identify infectious disease viruses. The key to the work which Coons and his associates began in 1941 is the fact that antibodies formed in the body to combat disease are specific; for example, an antibody against influenza will react only with an influenza virus. Such antibodies may be tagged with a fluorescent dye so that they will glow under ultraviolet light.

To find a cell infected with a virus such as influenza, serum containing tagged influenza antibodies is put on a slice of tissue. The antibodies will adhere only to the influenza virus. Under a microscope, the specific virus may then be detected and accurately located within the cell.

LAURENCE H. SNYDER, president of the AAAS and of the University of Hawaii, has been invited to serve as president of the next Pacific Science Congress, which is scheduled to be held in Hawaii during the last week of August and the first week of September 1961. The National Academy of Sciences–National Research Council and the Bernice P. Bishop Museum, Honolulu, the representative institutions sponsoring the tenth congress of the Pacific Science Association, issued the invitation to Snyder.

B. Q. WARD, bacteriologist and associate professor of biology at Mississippi Southern College, has been designated director of the Mississippi Institute of Microbiology that has recently been established as a unit of the college's department of biology. The institute is the only organization of its kind in the state. It is essentially a research establishment and is empowered to accept and administer grants.

The staff of the institute also has responsibility for preparing an annual report that is to include recommendations for teaching and course work within the academic department. However, appointment to the faculty of biology at Mississippi Southern does not confer institute membership, nor need a research