

THE APPLIED PHYSICS LABORATORY of the JOHNS HOPKINS UNIVERSITY

offers an exceptional opportunity to qualified men who want to advance themselves professionally in the GUIDED-MISSILE field. The Laboratory has a reputation for the recognition and encouragement of individual responsibility and self-direction.

Our program of GUIDED MISSILE RESEARCH and DEVELOPMENT

provides such an opportunity for men qualified in:

STATISTICAL THEORY OF NOISE AND INFORMATION
AERODYNAMIC STABILITY AND CONTROL ANALYSIS
OPERATION OF ELECTRONIC ANALOG AND DIGITAL COMPUTERS
ANALYSIS OF WEAPONS EFFECTIVENESS
DESIGN AND ANALYSIS OF GUIDED-MISSILE CONTROL SYSTEMS
SYNTHESIS AND ANALYSIS OF GUIDANCE SYSTEMS
BASIC RESEARCH—FLUID OR SOLID MECHANICS, MICROWAVE
SPECTROSCOPY, AND SOLID STATE PHYSICS

Please send your resume to Professional Staff Appointments

**APPLIED PHYSICS LABORATORY
THE JOHNS HOPKINS UNIVERSITY**
8611 Georgia Avenue, Silver Spring, Maryland

OPERATIONS RESEARCH ANALYSTS

To apply training or experience in:

Pure or Applied Mathematics
Mathematical Statistics
Management Science
Econometrics
Psychophysics

Toward solution of challenging and widely diversified military and industrial problems. Currently expanding activities include:

Analytical Statistics and Design of Experiments
Air and Road Traffic Control Studies
Weapons Systems Evaluation
Communication System Analysis
Inventory and Production Control
Equipment Reliability Analysis
Countermeasure Development

These are full time positions offering salaries comparable with those in industry and educational benefits for graduate study. Qualifications include advanced degree, prior operations research experience, familiarity with application of electronic computers.

J. A. Metzger
ARMOUR RESEARCH FOUNDATION
of Illinois Institute of Technology
10 West 35th Street
Chicago 16, Illinois

Miscellany

World Laboratories

International projects in the still undeveloped areas of climate modification, space travel, and thermonuclear power were urged by Senator Clinton P. Anderson, chairman of the Joint Congressional Committee on Atomic Energy, in an address before the Rochester Conference on High-Energy Physics on April 6th. The creation of world science laboratories for such studies, Anderson indicated, might provide constructive means for disarmaments in potential "ultimate" weapons. "This is not a suggestion," he added, "that all nations pool their efforts in the field of present atomic technology, nor a hint that the testing of atomic weapons be stopped by any of the great powers. . . . It springs rather from the feeling that the new technologies may displace the old, and that a war-weary world might achieve in time a form of disarmament by obsolescence." International cooperation might also be advanced, Anderson said, by establishing a "world passport" to be granted as a highly coveted award to outstanding leaders in science, the arts, religion, government, education, and business, with nominees to be selected by participating nations.

Research Facilities

Two high-energy accelerators have been authorized by the Atomic Energy Commission for construction at Harvard and Princeton. One will be a six billion electron volt machine to be developed under a joint Harvard-Massachusetts Institute of Technology project. The Harvard-MIT accelerator, a circular alternating gradient electron synchrotron with a 118-foot radius, will cost an estimated \$6.5 million. It will take more than three years to build and will be located on a site adjacent to the Harvard Cyclotron Laboratory. The second accelerator, a 3 Bev uniform gradient proton synchrotron, will be a joint project of Princeton University and the University of Pennsylvania. The Princeton-Pennsylvania machine will cost about \$5.8 million, will take nearly four years to build, and will resemble the Brookhaven cosmotron, although it is expected to have a higher beam intensity. It will be located at the Forrestal Research Center in Princeton. Both machines will be built with funds provided by the AEC and upon completion they will be operated by the institutions under contract with the Commission. Each facility will include 21 000 square feet of laboratory, office, and shop space, as well as buildings to