SCIENCE EDUCATION

Summer Programs

The Digital Computer Laboratory of the University of Illinois will conduct an eight-week, full-time undergraduate training and working program this summer, beginning June 16. The course will cover both the use and construction of computers, and interested students from any college or university in the US or Canada who will be juniors or seniors in the fall of 1964 are invited to apply. Successful applicants will receive stipends of $400 and travel expenses to and from Urbana.

Applications must be submitted by February 15. The required forms can be obtained from Professor J. R. Ehrman, Digital Computer Laboratory, University of Illinois, Urbana, Ill.

A Summer Institute in Plasma Physics will be held at Princeton University from June 29 to August 7, with curricula planned for both academic and industrial participants.

Introductory and advanced classes in theoretical plasma physics will be supplemented by lectures on experiments, and an optional curriculum in plasma and ion propulsion will be offered. A limited number of stipends will be available.

Further information can be obtained by writing to the Office of Summer Studies, Princeton University, 307 Nassau Hall, Princeton, New Jersey.

Ceramics Study at Denver

A program of graduate study in physical ceramics has been instituted at the University of Denver as part of the activities of the University's Metallurgy Department.

The new program will be concerned primarily with the properties and the response to the physical environment of ceramic materials, with emphasis on thermal, mechanical, optical, electrical, and magnetic properties. Contemplated research areas include thermophysical properties, failure processes, bonding in homogeneous and heterogeneous systems, and mass and energy transport in solids.

Both the MS and PhD degrees in metallurgy are offered, with a study and research option in physical ceramics. Various forms of financial aid are available for qualified students, some of which are government-sponsored programs with close application deadlines.

For further information write to Dr. William Mueller, Chairman of the Department of Metallurgy, University of Denver, Denver, Colo. 80210.

Visiting Scientists

Now in their seventh year, the AAPT/AIP Visiting Scientists Programs in Physics are expected to result in visits by scientists to some 120 colleges and universities and to 300 high schools during the 1963-64 academic year. Since September 1957, when the first of the programs was inaugurated as a joint activity of the American Institute of Physics and the American Association of Physics Teachers, over 300 distinguished physicists from the United States and abroad have paid visits to approximately 500 institutions of higher learning and 1500 secondary schools.

The programs, supported by a National Science Foundation grant, have as their primary objective (1) the stimulation of interest in physics among undergraduates through visits by leaders in physics research, (2) the provision of opportunities for local physics staff members to discuss their research and teaching problems with the visiting physicists, (3) the acquaintance of other members of the academic community and the public with recent developments in physics, and (4) the exploration of ways in which interest in physics in high schools can be stimulated by brief visits by prominent physicists.

This year, the programs are under the part-time direction of three well-known professors of physics: William W. Watson of Yale University, who is heading the college program, Henry Semat of the City University of New York, who is directing the high school