SCIENCE EDUCATION

Ettore Majorana

Physicists interested in theoretical understanding of elementary-particle structure are invited to attend the 1965 International School of Physics "Ettore Majorana" to be held from September 27 to October 10 at Trapani in Sicily. The school's morning lectures will cover the introduction to higher symmetries, relativistic SU_6, consequences of SU_6 and other symmetries in weak, electromagnetic, and strong interactions, symmetry breaking, and the more fundamental symmetries and their experimental status. Afternoon working sessions devoted to clearing up the topics of the morning lectures, as well as seminars on experimental topics are also included in the program. Proposed lecturers are J.S. Bell, N. Cabibbo, J. Steinberger, and V.F. Weisskopf, all of CERN; P. Franzini of Columbia University; R. Gatto of the University of Florence; S. Glashow of the University of California at Berkeley; A. Pais of the Rockefeller Institute; J. Prentki of CERN and the Collège de France; and G. Puppi of the University of Bologna. Persons wishing to attend the course should apply as soon as possible to Mrs. M. Bell, CERN, Geneva 23, Switzerland. In their applications, they should specify date and place of birth, degree and other academic qualifications, publications, present position and place of work, together with a letter of recommendation from their research-group head or professor of physics. The total fee, including full board and lodging, is about 600 Swiss francs ($139).

New computer department

A Department of Computer and Information Sciences is being established by the Carnegie Institute of Technology. Although the new department will enroll only graduate students initially, it expects to set up undergraduate programs in the next few years. Funds for the new program will come from a $5 million grant from Lt. General Richard K. Mellon and are expected to be used for the following projects:

1. Construction of a $2-million, 60 000-square-foot building for research and education.

2. Expenditure of $1 250 000 over five years for research in computer development and applications.

3. Purchase of a new advanced computer ($1 million).

4. Endowment of a named professorship ($750 000).

Carnegie Tech's Computation Center was established in 1956. Its current annual budget amounts to nearly $1.5 million, and it employs about 100 workers. An area of research that will be intensified under the new grant is the development of computer languages and systems, which is under the direction of Dr. Alan Perlis, present head of the Computation Center. Other fields of expanded research will cover simulation of thought processes, problems of engineering design, and information systems for business firms.

Theoretical center at Miami

The University of Miami in Coral Gables is establishing a Center for Theoretical Studies designed to bring scholars in the natural sciences and history and philosophy of science together for periods from a month to an academic year. No specific duties will be assigned to the visitors other than their own research interests; however it is expected that many of them will hold seminars, lecture occasionally, and supervise the research of graduate students and associates brought from their parent institutions.

Some fifteen scientists have indicated their interest in coming to the center during the 1965-66 academic year. Already in residence is Oktay Sinanoglu, professor of theoretical chemistry at Yale University, who will be joined during the summer by Dr. Cavid Erginsoy of Brookhaven National Laboratory, and during the