Integrated Circuits Institute, Tucson, Ariz.; will be offered at two different times: 7-18 July and 28 July–8 August. Will provide a fundamental understanding of the design and fabrication of integrated circuits. In addition to the fabrication of actual circuits, device theory will be reviewed and engineering design compromises will be considered. It will be an intensive 80-hour program with an emphasis on practical aspects. Lectures, laboratory work, and exercises will be included. The course is intended for students and engineers interested in the design and fabrication of integrated circuits. A limited number of travel grants will be available. Application deadline: 27 March. (Dr. Roy H. Mattson, Electrical Engineering Department, University of Arizona, Tucson 85721)

Current Methods of Immunological Research and Diagnosis, Buffalo, N.Y., 21 July–8 August. It will consist of practical laboratory exercises supplemented by demonstrations, lectures, and discussions, designed to provide the participant with a survey of presently available methodology and insight into the underlying immunological principles. The topics will include antigen preparation methods, gel diffusion precipitation, passive agglutination, immunofluorescence, mixed immunoglobulin, complement levels, complement fixation, enzyme linked immunosorbent assay, blood group determination and compatibility testing, immediate hypersensitivity, delayed hypersensitivity, transplantation, and tissue typing. Attendance will be limited to 20 participants. Limited fellowship support can be provided to applicants with financial need. Tuition is $300. (Professor M. Shilo, Institute for Microbiology, Hebrew University–Hadassah Medical School, P.O. Box 1172, Jerusalem, Israel)

Theoretical Physics, Waltham, Mass., 16 June–25 July. Lectures and seminars will be devoted to atomic physics and applications to astrophysics. (The Secretary, Physics Summer Institute, Brandeis University, Waltham, Mass. 02154)

Computer Applications in Chemistry, DeKalb, Ill., 4 June. An all-day workshop consisting of an introductory lecture, 14 seminars, and a business meeting. Office automation and programming experience will be necessary. Laboratories will be computer centered and will be devoted to atomic physics and applications. The fee is $30 plus registration at the Great Lakes Regional Meeting, American Chemical Society. Deadline: 8 May. (Great Lakes Regional Meeting. Department of Chemistry, Northern Illinois University, DeKalb 60115)

Research Instrumentation, Brooklyn, N.Y., 19 July–9 August. The course is open to industrial and academic scientists and engineers from all disciplines. Medical research workers will find it valuable and are also invited to apply. It is intended for those who need a working knowledge of atomic physics and applications as applied to problems in research. There are no specific prerequisites beyond a basic understanding of college physics. The course will be supported in part by the National Science Foundation under its College Teacher Programs. Twenty-five fellowships will be available. Residents of the United States will attend the course free of charge, and will receive a stipend from NSF for 3 weeks plus travel allowance. Applicants from business and industry will be accepted on a tuition-paying basis at $500, covering all laboratory fees, textbooks, and supplies. Application deadline: 8 May. (Professor Kenneth Jolls, Office of Special Programs, Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn, N.Y. 11201)