

reside until 1972. Guinier's election was announced at the Eighth International Congress of Crystallography, which was held in August at the State University of New York at Stony Brook (PHYSICS TODAY, August, page 23). Fritz Laves of the Zurich School of Technology was elected second vice-president, and Bertram E. Warren, professor emeritus of physics at the Massachusetts Institute of Technology, will continue as first vice-president.

Report Suggests Regional Problem-Solving Centers

A new kind of institution that would apply science and technology to regional problems has been suggested by a joint National Academy of Sciences-National Academy of Engineering committee in a report, *The Impact of Science and Technology on Regional Economic Development*. These Exploratory Centers for Regional Development, to be established where known problems exist, would have as a main function the identification of public and private "client-sponsors" who could implement new regional-development programs. Some of these centers would be new; others would use existing institutions, such as universities or Atomic Energy Commission laboratories.

48-University Consortium to Coordinate Space Research

A national consortium of 48 universities, Universities Space Research Association (USRA) has been formed as the space-research analog to Universities Research Associates in high-energy physics. The new group, which will foster cooperation among universities, other research groups and the US government, expects to develop and operate facilities (such as laboratories) for space-science research and education.

The National Academy of Sciences organized the consortium so that unique operations, such as the Lunar Receiving Laboratory, would be under national rather than university or regional control. USRA recently submitted to the National Aeronautics and Space Administration their proposal for management of the Houston Lunar Science Institute. The National Academy of Sciences has been directing the institute.

Donald A. MacRae is chairman of

the Council of Institutions that directs USRA, and Frederick Seitz is vice-chairman.

British Physicists Elect New Officers to Council

In elections held by The Institute of Physics and the Physical Society, new Council members as of 1 Oct. are: Cyril A. Hogarth, Brunel College, London (Vice-president); Alfred G. Gaydon, London, (Ordinary Member); and Nicholas Kurti, Brasenose College, Oxford (Ordinary Member). P. T. Menzies (Honorary Treasurer) and Robert Press (Honorary Secretary) were reelected.

IN BRIEF

Young physicists who wish to study in Latin America or the Caribbean are invited to apply for PhD and postdoctoral fellowships. Applications can be in any area of physics, and are due 1 Nov. For details write to Foreign Area Fellowship Program, 110 East 59 Street, New York, N. Y. 10022.

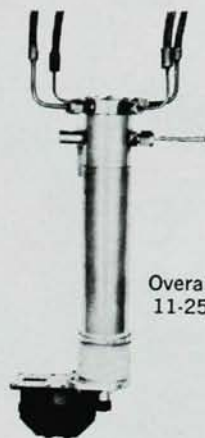
Six-month fellowships at the International Centre for Theoretical Physics in Trieste (beginning 1 April) are available in elementary-particle physics. Deadline for applications is 31 Oct.

The state of New Jersey is offering positions in its expanding college system for retired or about-to-be-retired scientists and engineers. They can lecture, supervise laboratory and quiz sections, assist in clerical work and perhaps have the chance to guide senior research projects. Those interested should contact Wesley Minnis, Dept. of Higher Education, Box 1293, Trenton, N. J. 08625.

A new communications package for technical managers has been designed by two former executives at *International Science and Technology*. In addition to a monthly magazine, *Innovation*, the service includes conference telephone calls, audio and video tapes, special reports and group tours. Information can be obtained from Technology Communication, Inc., 265 Madison Ave, New York, N.Y. 10016.

The latest *Index to the Literature of Magnetism* has been published by Bell Telephone Laboratories and reprinted by the American Institute

EPR



Overall length
11-25 inches

Cool only the sample
(not the cavity)
in ESR/EPR studies
down to 4°K

**New CRYO-TIP® sample cavities
cut cooldown time to 30 minutes**

Air Products now has a full line of cylindrical TE₀₁₁ cryogenic sample cavities designed by Magnion Division of Ventron Instruments Corporation which can be used with any standard-model, variable-temperature CRYO-TIPO® Refrigerator in low temperature (4° to 300° K) ESR and EPR studies. Since only the sample is cooled, the microwave cavity remains at room temperature. It does not undergo the impedance change or mechanical strain associated with conventional methods of cooling the whole cavity.

These cavities, adapted for use with the CRYO-TIP Refrigerator, are available for 9.5, 24, 35, and 70 GHz microwave studies. Provisions can be made for matrix isolation and UV, optical, X-ray, or electron beam irradiation along the axis of the sample cavity. Cryogenic adaptors are also available for other types of cavities. Write for full details on Air Products' complete line of CRYO-TIP Refrigerators and accessories.



Air Products and Chemicals
INC.

ADVANCED PRODUCTS DEPARTMENT
Allentown, Pennsylvania 18105