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for graduate students working toward advanced degrees in science.

Lowell Technological Institute, Lowell, Mass., has instituted a four-year course in engineering physics leading to the BS degree. The course is under the direction of Charles R. Mingins, chairman of the Division of Engineering and head of the Institute's Department of Physics and Mathematics.

Publications

A series of articles concerning experiments in machine translation from one language to another has been translated from the Russian journal *Voprosy Yazykoznaniiya* (Problems in Linguistics) by the US Joint Publications Research Service—presumably employing old-fashioned human translators. The 72-page publication, containing articles which originally appeared in the period from September 1956 to the close of 1957, is now available in English under the title *Experiments in Machine Translation* (PB 141383T) and may be obtained from the Office of Technical Services, US Department of Commerce, Washington 25, D. C., for \$2.00.

The formal Proceedings have been published for three meetings that were described briefly in articles appearing earlier this year in *Physics Today*:

The Plasma in a Magnetic Field: A Symposium on Magnetohydrodynamics, edited by Rolf K. M. Landshoff (130 pp., Stanford University Press, Stanford, Calif., 1958, \$4.50).

Low Temperature Physics and Chemistry: Proceedings of the Fifth International Conference, edited by Joseph R. Dillinger (676 pp., University of Wisconsin Press, Madison, Wisc., 1958, \$6.00).

1958 Annual International Conference on High Energy Physics at CERN, edited by B. Ferretti and sponsored by IUPAP (358 pp., CERN, Geneva, Switzerland, 1958, 45 Sw. fr.).

The National Academy of Sciences has prepared and published the first of a series of bibliographies on the International Geophysical Year to be issued as a joint project of the Library of Congress, the Academy, and the National Science Foundation. It is expected that it will be followed by a second interim volume in the spring of 1959 and later by a final complete bibliography listing all references on the IGY of scientific interest collected by the Library prior to July 1959. The 64-page publication, *An Interim Bibliography on the International Geophysical Year*, lists more than 700 IGY references published between January 1951 and August 1958. The basis for selection of each entry has been its scientific value, extent of coverage, historical interest, and to a lesser extent its availability. Titles in Russian, East European languages, and Japanese have been translated into English. The existence of complete translations and English summaries is noted where available. The *Interim Bibliography* is priced at

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Facilities

Nuclear Metals, Inc., formally dedicated its \$2 million metallurgical research and development laboratory in Concord, Mass., on October 24. Nuclear Metals was formed in 1942 as the Metallurgical Project of the Massachusetts Institute of Technology and continued under MIT auspices until 1954, when Arthur D. Little, Inc., and Allegheny Ludlum Steel Corporation were selected by the Atomic Energy Commission to continue the activities of the Metallurgical Project. Some of the company's activities include work in physical metallurgy, chemical metallurgy, fabrication, fuel element manufacturing, and the development of high-temperature materials.

An Information Center has been established at the Cryogenic Engineering Laboratory of the National Bureau of Standards in Boulder, Colo., to serve as a clearing house for references to research and development literature in cryogenic engineering. Data and reports originating at CEL supply an appreciable portion of the material referenced by the Center. Literature searches, made by individual staff members in connection with special projects, will be available to other scientific groups through the reference function of the Center. It is also within the scope of the Center to act as a depository for abstracts of completed literature searches, microfilmed papers pertinent to CEL's investigations, and a certain amount of material needed occasionally by the staff. After information collections on specific subjects are completed, critical evaluations and correlations will be made. The results will be available to the public in printed form. Topics to be covered will include properties of materials at low temperature and phenomena associated with low-temperature processes. A few technical information sheets are available at this time covering thermophysical properties of a number of metals and alloys, such as complete graphs on thermal conductivity and data on thermal expansion. Also available are selected temperature-entropy Mollier diagrams of common cryogenic fluids (oxygen, nitrogen, helium, hydrogen, and air). Requests should be addressed to Information Center, Cryogenic Engineering Laboratory, National Bureau of Standards, Boulder, Colo.

CBS Laboratories, a division of Columbia Broadcasting System, Inc., dedicated its new Research Center in Stamford, Conn., on October 7. The facilities will house laboratories for work in such fields as audio-video systems, solid-state physics, physical chemistry, optics, vacuum tubes, data processing systems, and electronics for communications and other applications. Also included in the structure is a specially designed anechoic chamber for acoustical measurements and studies.