

nuclear magnetic resonance studies, can be obtained only in 5 percent enrichment; there is no krypton available which does not contain krypton-85; much of the lithium on the market today has had lithium-6 removed.

There was general recognition that the purity needs of the physicist are quite different from those of the chemist. For many purposes the physicist needs materials of much greater chemical purity than those required by the chemist. In addition he must be concerned about physical properties such as phase and texture. According to Paul Egli of the Office of Naval Research, the detection of stoichiometry and homogeneity has been a limiting factor in the Naval Research Laboratory's research on crystal growth.

At the conclusion of the conference recommendations were made for the establishment of an information center on existing sources of chemical compounds of certified high purity and for the establishment of a permanent central technical organization with responsibility for the identification, preparation, further purification, and certification of pure chemical compounds. It was also recommended that the NAS-NRC, in cooperation with other national and international scientific groups, implement improved communication among laboratories concerned with the pure compounds problem and encourage research on all aspects of the purity of chemical compounds. A limited number of copies of the *Proceedings* of the conference are available, and those who have a special interest in the subject of certified pure materials and who wish to obtain the *Proceedings* should contact the Office of Critical Tables, Division of Chemistry and Chemical Technology, National Academy of Sciences—National Research Council, 2101 Constitution Avenue, Washington 25, D. C.

Guy Waddington

NAS-NRC Office of Critical Tables

Physics Club of Chicago

THE January meeting of the Physics Club of Chicago will be held on January 12 at the Hamilton Hotel (20 South Dearborn Street) in Chicago. The featured speaker will be Benjamin Mittman of the Armour Research Foundation of the Illinois Institute of Technology, whose topic will be "Applications of Computers to Problems in Physics". Further information on the meeting can be obtained from E. L. Bussell, c/o W. M. Welch Mfg. Co., 1515 Sedgwick St., Chicago 10, Ill.

Officers serving the Club during the present year are: president, R. G. Picard; vice president, C. E. Barthel, Jr.; secretary, D. L. Barr; treasurer, E. J. Tuttle; directors, L. C. Kelsey, G. S. Macres, and R. F. Humphreys. Dr. Barthel is also serving as program committee chairman. Other committee chairmen are: arrangements, E. J. Schillinger; membership, Father J. D. Roll; and publicity, E. L. Bussell.

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