New NBS Brochures

Standard Reference Materials

More than 20 Standard Reference Materials (SRM's) designed for use in clinical laboratories and available from the National Bureau of Standards are described in a new NBS brochures. The brochure, titled "NBS Standard Reference Materials for Clinical Laboratory Measurements," describes the standards and lists their prices. The brochure is available from the Office of Standard Reference Materials, Room B311, Chemistry Building, National Bureau of Standards, Washington, D.C. 20234.

Among the standards described are clinical thermometers, glass and liquid filters for spectrophotometry, and SRM's for cholesterol, urea, bilirubin, and d-glucose.

NBS currently has available about 900 SRM's some of which, although not prepared specially for clinical laboratory use, are prerequisites for accurate measurements in any laboratory performing chemical analyses. SRM's in other categories may be useful to clinical chemistry, including primary chemicals, microchemicals, pH standards, calorimetry standards and radioactivity standards. A complete list of SRM's available from NBS may be obtained from the Office of Standard Reference Materials.

Rates of Hydrogen Atom Reactions

A new publication from the National Bureau of Standards, "Selected Specific Rates of Reactions of Transients from Water in Aqueous Solution. II. Hydrogen Atom," is now available. In this publication, rates of reactions of hydrogen atoms (from radiolysis of water and other sources) with organic and inorganic molecules, ions, and transients in aqueous solution have been tabulated. Directly measured rates obtained by kinetic spectroscopy or conductrimetric methods, and relative rates determined by competition kinetics also are included. Printed copies may be ordered, prepaid at $1.20 per copy, from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The SD Catalogue No. is C13:48:51.

X-Ray Diffraction Patterns

"Standard X-ray Diffraction Powder Patterns. Section 12—Data for 57 Substances" is a new publication available from the National Bureau of Standards. Standard x-ray diffraction patterns are presented for 57 substances. Twenty-five of these patterns represent experimental data and 32 are calculated. The experimental x-ray powder diffraction patterns were obtained with an x-ray diffractometer. All d-values were assigned Miller indices determined by comparison with computed interplanar spacings consistent with space group extinctions. The densities and lattice constants were calculated, and the refractive indices were measured whenever possible. The calculated x-ray powder diffraction patterns were computed from published crystal structure data. Both peak height and integrated intensities are reported for the calculated patterns.

The price of this publication is $1.50, prepaid, and may be ordered (SD Cat. No. C13.44:25/12) by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. ■

Dr. Samuel M. Weisberg Retires

The Board of Directors of L.I.F.E. (League for International Food Education) regrets to inform the members of AOCS throughout the world that Dr. Samuel M. Weisberg, the first Executive Director of L.I.F.E. has reached his seventieth birthday and has decided to retire. His loyal, cooperative, and most efficient and dedicated assistance on innumerable food and nutrition problems in many countries is deeply appreciated by all. ■