Projects have been grouped according to their coverage: physicochemical, crystallographic, and mineralogical, nuclear physics, thermophysical, spectroscopic, and comprehensive.

U. S. Government Publications

The following Government Publications are available from the **Office of Technical Services,** Washington 25, D. C., at the prices indicated.

Standards Laboratory Procedure. *(Set of 23 standards).* PB 171200 through PB 171222. Bureau of Naval Weapons. 1960. *$12 for set of 23 standards, 50 cents each for single standards.*

These are the first in a series under preparation by the Bureau of Naval Weapons for use by science and industry. The total number of standards that are planned is about 300. Thus far, the series is divided into three categories: instrument calibration procedure; cross-check procedure; and measurement system operation procedure. A list of titles of the individual standards can be obtained from the Office of Technical Services.

A Thermogravimetric Balance for the Investigation of High Temperature Reaction Kinetics and the Results of a Beryllium Oxidation Study. *NAA-SR-4737. 25 pages. November, 1960. 50 cents.*

Infrared Spectra of Marginally Metallic Systems. *UCRL-9330. 72 pages. August, 1960. $1.75.*

The Determination of Trace Quantities of Zinc in Lithium Chloride by Derivative Polarography. *Y-1320. 21 pages. October, 1960. 50 cents.*

The Conductometric Determination of Carbon in Beryllium. *Y-1321. 21 pages. November, 1960. 50 cents.*

A Method of Determining Total U-235 in Flat Configurations. *COO-272. 23 pages. November, 1960. 50 cents.*

Neutron Activation Analysis by Means of Short-Lived Isotopes. *TID-6311. 208 pages. June, 1960. $3.*

Rate of Elimination of Water Molecules from the First Coordination Sphere of Paramagnetic Cations as Determined by Nuclear Magnetic Resonance Measurements of O^{17}, *UCRL-9265, July 1960, 33 pages, 75 cents.*

Conference on pH Measurements, *M. A. Portnov, Meditsinskaya Promyshlennost' SSSR, 60-11847, June 1960, 7 pages, 50 cents.*

Four-Channel Continuously Recording Monitor for Air-Borne Alpha Activity, *UR-576, July 1960, 31 pages, 75 cents.*

Analysis of Hydrogen Isotopes by Mass Spectrometry. *MLM-1099. 16 pages. November, 1960. 50 cents.*

Development of a Double Thickness/ Double Density Gamma Gauge, *NYO-2480. 36 pages. 75 cents.*

Instrumentation and Controls Division Annual Progress Report for Period Ending July 1, 1960. *ORNL-3001. July 1, 1960. 114 pages. $2.50.*

The Spectrum of the Hydrogen Flame. *61-11075. Translation of an article from Zhurnal Fizicheskoy Khimii, Vol. 10, No. 2, 1937, Moscow. V. Kondrat'yev and M. Ziskin. November 1960. 12 pages. 50 cents.*

Analytical Methods in the Beryllium Program, *Y-1324, Dec. 1960, 12 pages, 50 cents.*

Gamma Radiation Detector and Warning System, *LA-2490, January 1961, 16 pages, 50 cents.*

A Compilation of Information on Gamma-Ray Spectra Resulting from Thermal-Neutron Capture, *n. d., ORNL-2904, 80 pages, $2.25.*

The Colorimetric Determination of Chromium in Uranium Compounds, *GAT-T-843, Dec. 1960, 11 pages, 50 cents.*

An Interferometric Study of Atomic Mercury Spectral Lines, *UCRL-9512, Dec. 1960, 23 pages, 50 cents.*

The Determination of Thorium and Uranium as Trace Impurities in Beryllium Metal, *Y-1329, Dec. 1960, 21 pages. 50 cents.*

Isotopic Water Analysis, *Second Edition, AEC-tr-4136, Oct. 1960, 304 pages. $3.00.*