June 9, 1933

PUBLICATIONS RELATING TO ELECTRIC BATTERIES

This list of publications includes: (1) titles of the Bureau's publications on dry cells, storage batteries, standard cells and rectifiers for battery charging; (2) references to other papers by members of the Bureau's staff published in technical journals; (3) references to several books recently published in which details of construction and other information not specifically covered in the Bureau's publications may be found.

Any Bureau publication for which a price is given may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D.C. The prices quoted are for delivery to addresses in the United States and its possessions, Canada, Cuba, Mexico, Newfoundland, and the Republic of Panama; for delivery to other countries add one-third of price of paper in your remittance.

Publications issued by the Bureau may be consulted at libraries designated as Government depositories, several of which are located in each state. Technical journals and the books which are listed are usually available at the larger libraries.
(a) **Dry Cells**

Electrical characteristics and testing of dry cells, B.S. Circular No. 79 (2nd ed.). (C79, 15¢)


Vinal, G.W., and Altrup, F.W., Electromotive force of cells at low temperatures, B.S. Sci. Papers, vol. 17, p. 627, 1922. (S434, 5¢)

American Standard Specification for dry cells and batteries, B.S. Circular 390, 1930. (C390, 5¢)


(b) **Storage Batteries**

Holler, H.D., and Brahara, J.M., Cadmium electrode for storage-battery testing, B.S. Tech. Paper 146, 1919-20. (T146, out of print)

Sefton, L.B., Estimation of nitrates and nitrites in battery acid, B.S. Tech. Paper 149, 1920. (T149, 5¢)

Operation and care of vehicle-type batteries, B.S. Circular No. 92, (C92, 30¢)

Vinal, G.W., and Snyder, C.L., Oscillograph measurements of current and voltage in the battery circuit of automobiles, B.S. Tech. Paper 186, 1921. (T186, out of print)


Vinal, G.W., and Altrup, F.W., Electromotive force of cells at low temperatures, B.S. Sci. Papers, vol. 17, p. 627, 1922. (S434, 5¢)

Snyder, C.L., Measurement of electrical resistance and mechanical strength of storage battery separators, B.S. Tech. Papers, vol. 18, p. 619, 1924-5. (T271, 10¢)


Vinal, G.W., Craig, D.N., and Snyder, C.L., Composition of grids for positive plates of storage batteries as a factor influencing the sulpha tion of negative plates, B.S.Jour. Research, vol. 10, p 795, 1933. (RP567, 6)

(c) Rectifiers


(d) Standard Cells and Potential Measurements


Wolff, F.A., and Waters, C.E., Clark and Weston standard cells, B.S.Bull, vol. 4, p 1, 1907-8. (S70, out of print)


Announcement of a change in the value of the international volt, B.S. Circular No. 29, 1910. (C29, out of print)


Park, J.H., Effect of service temperature conditions on the electromotive force of unsaturated portable standard cells, vol.10, p 89, 1933. (RP513, 5φ)


OTHER PUBLICATIONS RELATING TO BATTERIES BY MEMBERS OF THE BUREAU'S STAFF

The following publications are not included in the list of publications issued by the Bureau and are not obtainable from the Superintendent of Documents.

(a) Dry Cells


(b) Storage Batteries


Vinal, G.W., Storage batteries (John Wiley and Sons, New York, N.Y.) 2nd ed. 1930 (see entry on page 4 of this circular).


(c) **Standard Cells and Potential Measurements**


**REFERENCES TO BOOKS ON BATTERY SUBJECTS**

The Bureau of Standards receives frequent inquiries regarding manufacturing processes and for other information which is not specifically covered in its publications. To meet the needs of such inquirers a very brief list of recent books relating to primary batteries and storage batteries is given below with a brief statement of the scope of the book and the name of the author and publisher.

(1) **Primary Batteries**


(2) **Storage Batteries**


Wright, J.C., Battery service work (volume III of Automotive Repair) (John Wiley & Sons, Inc., New York, N.Y.), 1923. Analyzes eighteen repair jobs and discusses elementary principles of electricity and the behavior of storage batteries including farm lighting plants.