This letter circular gives a list of publications on CEMENT by members of the staff of the National Bureau of Standards. Some of these publications were printed in the regular series of the Bureau and others in various scientific, technical and trade association journals.

For ready reference and convenience in ordering the separate papers of the Bureau, these have been listed with the serial letter and number in one column, and the price in the second column. The publications for which prices are indicated 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, and to Canada, Cuba, Mexico, Newfoundland, the Philippines, and the Republic of Panama. When remitting for delivery to other countries than those, include in your remittance one-third of the total cost of the publications to cover postage. Remittances should be made payable to the Superintendent of Documents, Government Printing Office, Washington, D.C., and sent to him with the order. "O.P." in the column marked "Price" indicates that the publication is out of print, but may be consulted at most large libraries. A complete list of the Bureau's publications (Circular C24 and Supplement) is also generally available at such libraries.

Serial letters are used to designate BUREAU publications:

T = "Technologic Paper" of the National Bureau of Standards. T1 to T202 were issued each independent of the other with individual pagination. Later they were assembled to make the first 15 volumes of this series, and subsequent separates were given volume pagination (Tech. Pap. BS). This series was superseded by the "Bureau of Standards Journal of Research" in 1928.

RP = "Research Papers." These are reprints of articles appearing in the "Bureau of Standards Journal of Research" (BS J. Research) and the "Journal of Research of the National Bureau of Standards" (J. Research NBS), the latter being the title of this periodical since July 1934 (volume 13, number 1).
C = "Circular" of the National Bureau of Standards.
LC= "Letter Circular" of the National Bureau of Standards.

**TECHNIOLOGIC PAPERS**

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<td>T5</td>
<td>O.P.</td>
<td>The effect of high-pressure steam on the crushing strength of portland cement and concrete. R.J. Wig. Tech. Pap. BS, T5 1, (1910-12).</td>
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RESEARCH PAPERS

| RP34   | O.P.  | Reaction of water on calcium aluminates. L.S. Wells. BS J. Research 1, 951(1928). |
| RP265  | 5¢    | Determination of magnesium in portland cement and similar materials by the use of 8-hydroxyquinoline. J.C. Redmond and H.A. Bright. BS J. Research 5, 113(1931). |
| RP381  | 5¢    | The decomposition of tricalcium silicate in the temperature range, 1,000-1,300°C. E.T. Carlson. BS J. Research 7, 893(1931). |
Series | Price | Title and Authors
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RP569 | 5¢ | The precipitation and titration of magnesium oxyquinolate in the presence of calcium oxalate, and its application in the analysis of portland cement and similar silicates. J.C. Redmond. BS J. Research 10, 623(1933).
RP584 | 5¢ | The activity coefficients of hydroxyl ion in solutions of calcium hydroxide at 30°C. E.P. Flint and L.S. Wells. BS J. Research 11, 163 (1933).
RP884 | 5¢ | Studies of the quaternary system CaO-MgO-2CaO. SiO₂-3CaO.6Al₂O₃. F.F. McMurdie and Herbert Insley. J. Research NBS 16, 467(1936).
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<td>RP968</td>
<td>5¢</td>
<td>Determination of sulphur occurring as sulphide in portland cement.</td>
<td>Harry A. Bright.</td>
<td>J. Research NBS 18, 137(1937).</td>
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<tr>
<td>C70</td>
<td>50¢</td>
<td>Materials for the household (non-technical information on use of cement).</td>
<td>Cir. BS, C70 (1917).</td>
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<tr>
<td>C135</td>
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<td>Caustic magnesia cement.</td>
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<tr>
<td>C311</td>
<td>15¢</td>
<td>Stucco investigations at the Bureau of Standards with recommendations for portland cement stucco construction.</td>
<td>Cir. BS, C311 (1926).</td>
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LETTER CIRCULARS

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<td>LC74</td>
<td>Free on applic-</td>
<td>Standard specifications for sieves. Let. Cir. BS, LC74 (Oct. 1, 1926).</td>
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<pre><code>   | ation to Bureau|                                                                             |
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FEDERAL SPECIFICATIONS

The specifications listed below are issued by the Federal Specifications Executive Committee, Procurement Division, Federal Warehouse, Washington, D.C. Copies may be secured from the Superintendent of Documents, Government Printing Office, this city, at the prices indicated.

SS-C-158 10¢ Cements, Hydraulic, General Specifications (Methods for Sampling, Inspection and Testing.)

SS-C-181a 5¢ Cement; Masonry.

SS-C-191a 5¢ Cement; Portland.

SS-C-211 5¢ Cement; Portland, Sulphate-Resisting.

SS-C-201 5¢ Cement; Portland, High-Early-Strength.

SS-C-206 5¢ Cement; Portland, Moderate-Heat-of Hardening.
ARTICLES PUBLISHED IN OUTSIDE JOURNALS

The articles indicated below are listed in chronological order. The name of the journal or of the organization publishing the article is given in abbreviated form, with address in parentheses, together with the volume number (underscored), page, and year of publication in the order named. These publications are not for distribution or sale by the Government, but may be consulted at most large libraries or in some cases may be purchased directly from the publishers.


Inspection of portland cement. J.R. Dwyer and R.N. Young. Concrete (Concrete Publishing Co., 400 W. Madison St., Chicago, Ill.), 21, p. 56, Aug. 22; and p. 95, Sept. 1922.


A digest of the literature on the constitution of portland cement clinker. R.H. Bogue. Concrete, July 1926 to Feb. 1927.


Phase equilibria in the system 2CaO·SiO₂·MgO-5CaO·3Al₂O₃. W.C. Hansen. J. Am. Chem. Soc., 50, 3081(1928).


A compilation of phase-rule diagrams of interest to the ceramist and silicate technologist. F.P. Hall and Herbert Insley. J. Am. Ceram. Soc. (American Ceramic Society, 2525 N. High St., Columbus, Ohio), 16, 483(1933).


The heat of hydration of portland cement pastes. Wm. Lerch and R.H. Bogue. Concrete - Cement Mill Section (Concrete Publishing Co., 400 W. Madison St., Chicago, Ill.), 42, 36(1934); 39(1934); also J. Research NBS 12, 645(1934), RP684.


