U.S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS,
WASHINGTON

(Revised to May 5, 1937)

CONCRETE AND REINFORCED CONCRETE: TECHNICAL PUBLICATIONS BY MEMBERS OF THE STAFF OF THE NATIONAL BUREAU OF STANDARDS.

This letter circular gives a list of publications on CONCRETE AND REINFORCED CONCRETE 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 This series was superseded by the "Bureau of Standards Journal of Research" in 1928.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.

BH = "Building and Housing Publications" of the National Bureau of Standards.

R = "Simplified Practice Recommendations" 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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<tr>
<td>T175</td>
<td>$0.05</td>
<td>Pouring and pressure tests of concrete. W.A. Slater and A.T. Goldbeck. Tech. Pap. BS, T175, 14, (1920-21).</td>
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**RESEARCH PAPERS**

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### The physical properties of cast stone.

### Tests of integral and surface waterproofings for concrete.

### Areas and tensile properties of deformed concrete-reinforcement bars.

### Clay in concrete.

### Tests on a reinforced-concrete arch of the Arlington Memorial Bridge.

### Effect of granulometric composition of cement on the properties of pastes, mortars, and concretes.

### Effect of calcium chloride on portland cements and concretes.

### Behavior of high-early-strength cement concretes and mortars under various temperature and humidity conditions.

### Some tests of steel columns incased in concrete.

### Effects of partial prehydration and different curing temperatures on some of the properties of cement and concrete.
CIRCULARS

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<td>Properties and manufacture of concrete building units. Cir. ES, C304 (1926).</td>
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<td>C311</td>
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<td>Stucco investigations at the Bureau of Standards with recommendations for portland cement stucco construction. Cir. ES, C311 (1926).</td>
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LETTER CIRCULARS

| LC42  | Free on application to Bureau | Acid-proof coatings for concrete surfaces. Let. Cir. ES, LC42 (Feb. 12, 1923). |

BUILDING AND HOUSING

| BL9   | O.P.   | Recommended building code requirements for working stresses in building materials. BL9 (1926). |

SIMPLIFIED PRACTICE RECOMMENDATIONS


* Under revision.
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.

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<td>RR-S-366</td>
<td>5¢</td>
<td>Sieves; standard testing.</td>
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<td>SS-C-158</td>
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<td>Cements, hydraulic; general specifications (methods for sampling, inspection and testing).</td>
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<td>W-P-371</td>
<td>5¢</td>
<td>Pipe; concrete, plain.</td>
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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.


How can laboratory tests of concrete materials be made of greater value to the field engineer and contractor? G.M. Williams. Concrete (Concrete Publishing Co., 400 W. Madison St., Chicago, Illinois), 16, 194, April 1920.


Reinforcement for diagonal tension. W.A. Slater. Concrete, 17, August 1920.


Concrete by strength - Austrian specifications, translations, and comments. W.A. Slater. Concrete (Concrete Publishing Co., 400 W. Madison St., Chicago, Illinois), 19, 231, December 1921.


Girderless floors in Malmo, Sweden - Translation and comments.
W.A. Slater. Concrete, 20, 264, June 1922.


Field tests of concrete used on construction work. W.A. Slater and Stanton Walker. Proc. Am. Concrete Inst. (American Concrete Institute, 7400 Second Blvd., Detroit, Mich.), 20, 420(1924).


What the Bureau of Standards is doing to solve many problems relating to concrete. Frank A. Hitchcock. Concrete, 27, 30, October 1925.


