

# Papers, books and articles on concrete

AUGUST-NOVEMBER 1950

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- GLANVILLE, W. H. (edited by). Modern concrete construction. (in four volumes). 2nd edition. London. The Caxton Publishing Co., Ltd. 1950. pp. Vol. 1 : xii, 320. Vol. 2 : ix, 287. Vol. 3 : ix, 359. Vol. 4 : ix, 331.
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- SALIGER, R. Fortschritte im Stahlbeton durch hochwertige Werkstoffe und neue Forschungen. (Developments in reinforced concrete through high-quality materials and new research.) Vienna. Franz Deuticke. 1950. pp. vi, 138.
- SVENSKA CEMENTFÖRENINGEN. Helgjutna betonghus. (Concrete houses cast in one piece.) Stockholm. Svenska Cementföreningen. 1950. pp. 116.
- LANGENDONCK, T. VAN. Cálculo de concreto armado. Vol. 2. (Calculations for reinforced concrete.) 1st edition. San Paulo, Brazil. Associação Brasileira de Cimento Portland. 1950. pp. xxvi, 636.
- KLEINLOGEL, A. (translated by F. S. Morgenroth.) Influences on concrete. 1st edition (based on the German 4th edition, 1941.) New York. Frederick Ungar Publishing Company. 1950. pp. 282.
- ROTHFUCHS, G. Beton Fibel. Anleitung zur Herstellung guten Betons für Betonsteinwerke und Baustellen. (Concrete primer. Instructions for the manufacture of good concretes for cast concrete works and building sites.) 1st edition. Wiesbaden. Bauverlag, G.M.B.H. 1950. pp. 106.
- ROCHA, M. M., COUTINHO, A. S. and NEVES, A. B. Etat actuel des mortiers et bétons des ouvrages portuaires portugais. (Present state of the mortar and concrete in Portuguese harbour works.) Publication No. 12. Lisbon. Ministério das Obras Publicas, Laboratório de Engenharia Civil. 1950. pp. 40.
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- BLOEM, D. L. Additional tests of concrete admixtures. pp. 8.
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- RIESSAUW, F., VANDEPITTE, D., DOOMS, J. and VAN CAUWENBERGE, M. The new prestressed concrete bridge in the Rue de Smet over the Canal de Raccordement (Junction Canal) at Ghent. September 1950. C.A.C.A. Library Translation Cj.20. pp. 34.
- BAAR, G. Tests on prestressed concrete beams in Holland. September 1950. C.A.C.A. Library Translation Cj.21. pp. 12.
- CHEFDEVILLE, J. and DAWANCE, G. The use of electrical resistance strain gauges in measuring deformations in plain and reinforced concrete. October 1950. C.A.C.A. Library Translation Cj.22. pp. 29.

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- CHASTON, F. N. Design and construction of concrete pavements. 1950. Vol. 23, No. 4. August. pp. 26-32. No. 5. September. pp. 32-36. No. 6. October. pp. 36-41.
- ANON. Concrete floors for domestic buildings. 1950. Vol. 23, No. 6. October. pp. 19-33.

### AUSTRIA

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FAEHNDRICH, K. Betonauskleidung und Abdichtung des Schachts der Schachtpumpenanlage am Vorderen Gosausee. (Concrete lining and waterproofing of the shaft of the pumping station at the Gosau Lake.) 1950. Vol. 5, No. 209. 16th August. pp. 5-11. No. 210. 23rd August. pp. 5-6.

BOCK, E. Ueber die Anwendung neuerer Erkenntnisse der Betontechnologie auf die Baupraxis. (On the application of modern knowledge of concrete technology in building practice.) 1950. Vol. 5, No. 214. 20th September. pp. 3-5.

SORETZ, S. Schlaghärteprüfung an Beton. (Impact testing of concrete.) 1950. Vol. 5, No. 221. 8th November. pp. 6-10.

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- Part 1. 1950. Vol. 5, No. 8. August. pp. 137-141.  
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 GEBAUER, F. Ueber die Herstellung bzw. Entnahme  
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 special reference to vibrated concrete.) 1950. Vol. 5,  
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## BELGIUM

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 ANDERSEN, J. and NERENST, P. Om anvendelse af lyd-  
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 sound velocity apparatus.) 1950. Vol. 2, No. 2.  
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- TVEDE, J. Formgivningen og dens pionerer inden for  
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 production.) 1950. Vol. 16, No. 3. November.  
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## FRANCE

### 'Revue des Matériaux de Construction et de Travaux Publics' (Edition 'C') Paris

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 BERTHIER, R. M. La mesure précise des déformations  
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 DURIEZ, M. and HOULNICK, C. Contrôle des propor-  
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 proportions of slag and Portland cement in the com-  
 position of a cement.) 1950. No. 422. November.  
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 BERTHIER, R. M. Théorie simplifiée des vibrateurs à  
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- JOLIBOIS, P. Henry le Chatelier, 1850-1936. pp. 5-7.  
 Notes inédites d'Henry le Chatelier sur le bilan thermique  
 d'un four rotatif à ciment. (The published notes of  
 Henry le Chatelier on the thermal balance sheet of a  
 rotary cement kiln.) pp. 11-16.  
 LHOPITALIER, P. and JAMES, L.-M. Le clinker de  
 ciment artificiel vu au microscope en lumière réfléchie.  
 (Cement clinker examined under the microscope by  
 reflected light.) pp. 17-28.  
 LECLERE, F. Appréciation rapide du pouvoir hydrau-  
 lique des laitiers de haut fourneau par l'analyse  
 thermique. (A rapid estimate of the hydraulic power  
 of blast-furnace slag by thermal analysis.) pp. 29-33.  
 NICOL, A. Etude thermique d'un laitier trempé de haut  
 fourneau. (Thermal study of quenched blast-furnace  
 slag.) pp. 34-38.  
 REY, M. Nouvelle méthode de mesure de l'hydratation  
 des liants hydrauliques. (New method of measuring  
 the hydration of hydraulic binders.) pp. 39-43.  
 CHASSEVENT, L. and DOMINE, D. Sur les variations de  
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 in the strength of hydraulic binders.) pp. 44-47.  
 DUBRISAY, R. and LAFUMA, H. Constatations récentes,  
 précautions nouvelles à l'égard de la décomposition  
 des mortiers et bétons dans l'eau de mer. (Recent  
 observations, new precautions regarding the decom-  
 position of mortars and concretes in sea water.)  
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ANON. Zwischendecken mit Fertigteilen aus Leichtbaustoff und Stahlbeton in Verbundwirkung. (Floor construction with precast units. Reinforced concrete joists and slabs made of pumice concrete and wood-wool concrete.) 1950. Vol. 5, No. 8. August. pp. 470-474.

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BUSSE, R. Kalksandstein und Dampfgasbeton. (Sand-lime bricks and steam-cured gas concrete.) 1950. No. 8. August. pp. 186-188.

HEUSSNER, A. Die Bewehrung des Stahlbetons. Part 2. Der Betonstahl und seine Verarbeitung. (The reinforcement of concrete. Part 2. Reinforcement steel and its fabrication.) 1950. No. 8. August. pp. 197-198.

KORTH, H. Die Porenbetone "Calsilit" und "Turrüt." ("Calsilit" and "Turrüt" lightweight concretes.) 1950. No. 10. October. pp. 227-230.

THIELE, G. Ueber die Herstellung von Betonpfählen. (On the manufacture of concrete posts.) 1950. No. 11. November. pp. 251-252.

BAUMGARTEN, R. H. Englischer Schaumbeton "Phomene." (The English lightweight concrete "Phomene.") 1950. No. 11. November. pp. 253-254.

#### 'Beton und Stahlbetonbau' Berlin

HALTENHOFF, H. Vereinfachte Bemessung von Stahlbetonquerschnitten auf Biegung. (Simplified method for dimensioning reinforced concrete sections in bending.) 1950. Vol. 45, No. 8. August. pp. 179-182.

LEONHARDT, F. and BAUR, W. Brücken aus Spannbeton, wirtschaftlich und einfach. Das Verfahren Baur-Leonhardt. Begründung, Anwendungen, Erfahrungen. (Prestressed concrete bridges: simple and economical. The Baur-Leonhardt system. Principles, applications and experiences.) 1950. Vol. 45, No. 8. August. pp. 182-188. No. 9. September. pp. 207-215.

CARP, H. Das Abdichten von Betonbauten, besonders von Pumpwerken. (The waterproofing of concrete structures, particularly of pumping stations.) 1950. Vol. 45, No. 8. August. pp. 188-191.

LAEMMLEIN, A. and BAUR, A. Spannbetonbrücke Emmendingen. (Prestressed concrete bridge at Emmendingen.) 1950. Vol. 45, No. 9. September. pp. 197-203.

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sonderer Berücksichtigung der Vorspannung. (Ultimate loads and determination of the ultimate bearing capacity of reinforced concrete in bending, with particular reference to prestressing.) 1950. Vol. 45, No. 9. September. pp. 215-220.

GATTNAR, A. Neuere Schalungsverfahren im Beton und Stahlbetonbau. (New types of formwork for plain and reinforced concrete structures.) 1950. Vol. 45, No. 10. October. pp. 221-226. No. 11. November. pp. 249-254.

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KLEINLOGEL, A. and SCHMUNK, H. Bemerkenswerte Treppenkonstruktionen. (Interesting staircases.) 1950. Vol. 45, No. 11. November. pp. 245-247.

HERBERG, W. Biegezugfestigkeit in den Arbeitsfugen einer Brückenfahrbahtafel. (Tensile strength in bending in the construction joints of a bridge deck slab.) 1950. Vol. 45, No. 11. November. pp. 247-248.

LAMBERG, R. Ungünstige Belastung von Stockwerkrahmen. (Unfavourable loading of multi-storey frames.) 1950. Vol. 45, No. 11. November. pp. 254-256.

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WALZ, K. Schutz der Betonfahrbahtdecken gegen Zerstörung durch Streusalze. (Protection of concrete road surfaces against destruction by strewn salts.) 1950. Vol. 1, No. 9. September. pp. 1-5.

KROPP, J. Ausbildung von Fugen in Betonfahrbahtdecken. (Formation of joints in concrete roads.) 1950. Vol. 1, No. 9. September. pp. 9-11.

#### 'Strassen und Tiefbau' Heidelberg

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KRAH, R. Neuartige Verdübelung von Querfugen in Betonfahrbahtdecken. (New type of dowel for transverse joints in concrete roads.) 1950. Vol. 4, No. 10. October. pp. 286-287.

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- MATOUSCHEK, F. Eine Anwendung der Methode der Grosszahlforschung im Laboratorium der Zementfabrik. (An application of statistical research methods in the laboratory of a cement works.) 1950. Vol. 3, No. 9. September. pp. 204-208.
- RATHSMANN, E. Entleerung von Zementtransportschiffen. (Unloading of cement cargo ships.) 1950. Vol. 3, No. 10. October. pp. 233-235.
- ANSELM, W. Wirtschaftlicher Wertvergleich der Festigkeiten bei Vermahlung von Zementen. (The comparison, from the economic point of view, of the strengths obtained from cements of varying fineness.) 1950. Vol. 3, No. 11. November. pp. 267-270.

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- ANON. New cement works at La Tolteca, Mexico. 1950. Vol. 23, No. 5. September. pp. 83-95. No. 6. November. pp. 105-117.

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- SEFTON, W. The rapid design of reinforced concrete slabs and beams. 1950. Vol. 45, No. 530. August. pp. 506-508.
- ABELES, P. W. Further notes on the principles and design of prestressed concrete.
- Part 2. 1950. Vol. 45, No. 530. August. pp. 508-510, 512.
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- COWAN, H. J. The ultimate strength of rectangular reinforced concrete beams.
- Part 2. 1950. Vol. 45, No. 531. September. pp. 576-578.
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- HALLER, P. The electrical treatment of concrete in cold weather. 1950. Vol. 45, No. 532. October. pp. 651-653.

### 'Concrete Building and Concrete Products'

*London*

- ANON. The manufacture of aerated concrete slabs. 1950. Vol. 25, No. 8. August. pp. 169-171.
- ANON. Design of precast lintels. 1950. Vol. 25, No. 9. September. pp. 197-205.
- BILLNER, K. P. Precast concrete made by the vacuum process. 1950. Vol. 25, No. 11. November. pp. 243, 245, 247, 249.

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British Standard Code. 1950. Vol. 45, No. 8. August. pp. 267-277.

- CRAEMER, H. Slabs spanning in two directions analysed by consideration of pattern of fractures. 1950. Vol. 45, No. 8. August. pp. 279-282.
- HUNTER, L. E. Construction with moving forms.
- Part 6. 1950. Vol. 45, No. 8. August. pp. 291-295.
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- KING, J. W. H. The design of prestressed concrete beams from fundamental principles. 1950. Vol. 45, No. 9. September. pp. 307-319.
- LEITNER, H. The design of multiple-story earthquake resistant buildings. 1950. Vol. 45, No. 9. September. pp. 329-332.
- GOLDSTEIN, A. Design and construction of a prestressed concrete arch footbridge at Oxford. 1950. Vol. 45, No. 10. October. pp. 347-356.
- BOURNE, N. B. Rapid concrete construction in Spain. 1950. Vol. 45, No. 10. October. pp. 357-362.
- CHRONOWICZ, A. Torsion in continuous structures. 1950. Vol. 45, No. 10. October. pp. 363-365.
- BEAUFOY, L. A. and DIWAN, A. F. S. Equivalent elastic systems in the analysis of continuous structures.
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