

Papers and books on cement and concrete

received in the C&CA Library OCTOBER-DECEMBER 1968*

MATERIALS

Cement

MANUFACTURE

GUTT, W. and SMITH, M. A. Studies of the role of calcium sulphate in the manufacture of Portland cement clinker. *Transactions of the British Ceramic Society*. Vol. 67, No. 10. October 1968. pp. 487-509.

RAMACHANDRAN, V. S., KACKER, K. P. and SRIVASTAVA, R. S. Die Katalytische Wirkung von NaCl auf die Zersetzung von Dolomit für die Herstellung von Magnesitbinder. (The catalytic action of NaCl on the decomposition of dolomite for the manufacture of magnesium oxychloride cement.) *Zement-Kalk-Gips*. Vol. 21, No. 6. June 1968. pp. 258-260.

PROPERTIES

ANON. Lightness and strength through expanding cement. *Progressive Architecture*. June 1968. pp. 112-113.

CHANDRA, D., SEREDA, P. J. and SWENSON, E. G. Hydration and strength of neat Portland cement. *Magazine of Concrete Research*. Vol. 20, No. 64. September 1968. pp. 131-136.

DE JONG, J. G. M., STEIN, H. N. and STEVELS, J. M. Influence of amorphous $Al(OH)_3$ on the hydration of tricalcium aluminate. *Journal of Applied Chemistry*. Vol. 18, No. 9. September 1968. pp. 270-276.

FLETCHER, K. E. The analysis of belite in Portland cement clinker by means of an electron-probe microanalyser. *Magazine of Concrete Research*. Vol. 20, No. 64. September 1968. pp. 167-170.

HANCOX, N. L. An electrical measurement of the effective cross-sectional area for conduction or flow processes in cement paste. *Magazine of Concrete Research*. Vol. 20, No. 64. September 1968. pp. 171-176.

MCHEDLOV-PETROSYAN, O. P. and KHOLODNYI, A. G. Structure formation in Portland cement stone during hardening. *Doklady Akademii Nauk SSSR*. Vol. 172. 1967. pp. 497-498.

PAULIN, W. T. Role of Portland cement in plastering. *N.Z. Concrete Construction*. Vol. 12, No. 8. 12 August 1968. pp. 131-135.

Aggregates

BERGSTROM, J. H. PC-7: California firm blends seven sizes of expanded shale to produce quality lightweight aggregate. *Rock Products*. Vol. 70, No. 11. November 1967. pp. 62-67.

BERTRANDY, R. Les granulats calcaires dans les mortiers et bétons. (Limestone aggregates in mortars and concretes.) *Travaux*. Vol. 51, No. 400. July-August 1968. pp. 767-775.

BUDNIKOV, P. P., ELINZON, M. P. and YAKUB, I. A. The structure, composition and some properties of lightweight aggregates used for concrete in the USSR. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 3-16.

HUFFAKER, E. M. Wood concrete. *Concrete Products*. Vol. 67, No. 1. January 1964. pp. 53-54.

SORLI, I., RUSHOLT, J. and ELIASSON, L. Die Anwendung von Leca-Beton in Norwegen, Dänemark und Schweden. (The application of Leca concrete in Norway, Denmark and Sweden.) *Betonstein-Zeitung*. Vol. 34, No. 5. May 1968. pp. 245-251.

STEINDL, A. Konstruktionsleichtbeton-Versuche aus Österreich. (Structural lightweight concrete tests in Austria.) *Betonstein-Zeitung*. Vol. 34, No. 5. May 1968. pp. 241-244.

TEYCHENNÉ, D. C. Lightweight aggregates: their properties and use in concrete in the United Kingdom. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 23-37.

Reinforcement

BOMBLED, P. Prevention de la corrosion des aciers de précontrainte dans les procédés STUP et Boussiron. (Prevention of corrosion of prestressing steels in the STUP and Boussiron systems.) *Annales de l'Institut Technique de Bâtiment et des Travaux Publics* (Supplement). Vol. 17, No. 203. November 1964. pp. 1342-1346; Discussion, 1346.

BRACHET, M. Cas de corrosion sous tension de fils de précontrainte et recherches de laboratoire correspondantes. (Instances of stress corrosion of prestressing wires, and laboratory research.) *Annales de l'Institut Technique de Bâtiment et des Travaux Publics* (Supplement). Vol. 17, No. 203. November 1964. pp. 1325; Discussion, 1325-1327.

ENGBERG, E. and WALLIN, L. Kryprelaxationsprov med hög-hållfast förspänningstråd under lång tid. (Long-term creep relaxation tests on high-tensile steel prestressing wire.) Reprinted from: *Nordisk Betong*. No. 3. 1966. pp. 231-236. Stockholm. 1966. pp. 6

* For the benefit of readers who wish to index these references, separate unbacked copies of this section of the *Magazine* may be obtained free of charge from the Editor.

KEMP, E. L., BREZNY, F. S. and UNTERSPAN, J. A. Effect of rust and scale on the bond characteristics of deformed reinforcing bars. *Journal of the American Concrete Institute. Proceedings* Vol. 65, No. 9. September 1968. pp. 743-756.

MAST, R. F. Auxiliary reinforcement in concrete connexions. *Proceedings of the American Society of Civil Engineers*. Vol. 94, No. ST6. June 1968.

NEUMANN, G. Annotazioni sulla corrosione delle armature metalliche del cemento armato. (Notes on the corrosion of steel reinforcement in reinforced concrete.) *Il Cemento*. Vol. 64, Nos. 3-4. March-April 1967. pp. 67-69.

POUILLARD, E. Relaxation à chaud des fils pour la précontrainte. (Relaxation of prestressing wires at high temperatures.) *Annales de l'Institut Technique du Bâtiment et des Travaux Publics* (Supplement). Vol. 17, No. 203. November 1964. p. 1273.

SCHULZE, W. and GÜNZLER, J. Corrosion protection of the reinforcement in lightweight concrete. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 111-122.

SCHULZE, W. and GÜNZLER, J. Korrosionsschutz der Bewehrung im Leichtbeton. (Corrosion protection of the reinforcement in lightweight concrete.) *Betonstein-Zeitung*. Vol. 34, No. 5. May 1968. pp. 252-257.

SORETZ, S. *Beitrag zum Einfluss von Art und Dauer der Belastung auf das Verhalten von Stahlbeton*. (Contribution concerning the influence of the nature and duration of loading on the behaviour of reinforced concrete.) Luxemburg, Tor-Insteg Steel Corporation, 1967. pp. 36. No. 20.

Admixtures

ANON. Admixtures for mortar and concrete. *Materials and Structures*. Vol. 1, No. 2. March/April 1968. pp. 104.

HALSTEAD, P. E. Physico-chemical principles of the action of admixtures with various cements and concretes. *Materials and Structures*. Vol. 1, No. 2. March/April 1968. pp. 91-95.

JAMBOR, J. Effect of admixtures on the properties of hardened mortar and concrete. *Materials and Structures*. Vol. 1, No. 2. March/April 1968. pp. 115-132.

JOISEL, A. Testing methods of admixtures. *Materials and Structures*. Vol. 1, No. 2. March/April 1968. pp. 133-149.

KREIJGER, P. C. Improvements of concretes and mortars by adding resins. *Materials and Structures*. Vol. 1, No. 3. May/June 1968. pp. 187-223.

KREIJGER, P. C. Terminology, definition and classification of admixtures. *Materials and Structures*. Vol. 1, No. 2. March/April 1968. pp. 79-89.

KROONE, B. and BLAKEY, F. A. Some aspects of pigmentation of concrete. *Constructional Review*. July 1968. pp. 24-28.

WARRIS, B. Effect of admixtures on the properties of fresh mortar and concrete. *Materials and Structures*. Vol. 1, No. 2. March/April 1968. pp. 97-114.

CONCRETE

Mix design and quality control

ANON. A propos des contrôles de qualité du béton. (On the quality control of concrete.) *Bulletin du Ciment*. Vol. 36, No. 7. July 1968. p. 4.

ANON. Designing a high-strength concrete mix. *Concrete Construction*. Vol. 13, No. 9. September 1968. pp. 333-334.

ANON. Panel discussion on production and quality control for architectural precast concrete. *Journal of the Prestressed Concrete Institute*. Vol. 13, No. 2. April 1968. pp. 57-59.

GOFFIN, H. Grossformatige Wand- und Deckentafeln für den Hoch- und Industriebau. (Large wall and ceiling panels for site construction and industrialized buildings.) *Betonstein-Zeitung*. Vol. 34, No. 6. June 1968. pp. 280-287.

HANSON, J. A. American practice in proportioning lightweight-aggregate concrete. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 39-54.

HARSEY, A. T. Experimental research in abuse of high strength concrete. *Journal of the American Concrete Institute. Proceedings* Vol. 65, No. 5. May 1968. pp. 379-382.

HUFFAKER, E. M. Wood concrete. *Concrete Products*. Vol. 67, No. 1. January 1964. pp. 53-54.

LLEWELLIN, J. D. Handling, mixing, transporting and placing lightweight-aggregate concrete. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 55-62.

WADHWA, S. S. and SRIVASTAVA, B. C. Optimum characteristics of vibration for compacting concrete. *The Indian Concrete Journal*. Vol. 42, No. 6. June 1968. pp. 249-254.

Properties

BERES, L. Shrinkage and creep of cellular concrete. *Concrete Building and Concrete Products*. Vol. 43, No. 9. September 1968. pp. 139-146.

BROOKS, A. E. (Editor) *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Vol. 1: Papers. London, Cement and Concrete Association, 1968. pp. viii, 320.

EDLIND, O. Some properties and practical aspects of hardened aerated concrete: Swedish experience. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 77-87.

HURD, M. K. Dusting of formed concrete surfaces. *Journal of the American Concrete Institute. Proceedings* Vol. 65, No. 9. September 1968. p. 720.

KONKEL, E. V. General applications and economics of lightweight-aggregate concrete. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 147-162.

KORNEV, N. A. and BUZHEVICH, G. A. Experience with the use of lightweight-aggregate concrete products in the USSR. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 163-174.

KRUML, F. Short- and long-term deformation of structural lightweight-aggregate concrete. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 99-110.

NIELSEN, L. F. Krybning af beton i en flerakset spaendingstilstand. (Creep of concrete under a multi-axial state of stress.) *Nordisk Betong*. No. 3. 1968. pp. 169-191.

OTT, K. F. The technology of structural lightweight concrete made with vitreous fine aggregates. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 123-133.

RYAN, W. G. The production and properties of structural lightweight concrete in Australia. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association 1968. pp. 17-21.

WEIGLER, H. and KARL, S. Frost- und Tausalz-widerstand und Verschleissverhalten von Konstruktionsleichtbetonen. (Frost and de-icing salt resistance and resistance to abrasion of structural lightweight concretes.) *Betonstein-Zeitung*. Vol. 34, No. 5. May 1968. pp. 225-237.

Curing

WRIGHT, D. F. Complex principles and problems of concrete curing processes. *Municipal Engineering*. Vol. 145, No. 42. 18 October 1968. p. 2069.

Jointing

- BROOKS, W. T. Construction techniques for expansion and construction joints. *Civil and Engineering and Public Works Review*. Vol. 63, No. 744. July 1968. pp. 787-791.
- JEJCIC, D. Structures, jointing, reinforcing. *Materials and Structures*. Vol. 1, No. 3. May/June 1968. pp. 251-262.
- MAST, R. F. Auxiliary reinforcement in concrete connexions. *Proceedings of the American Society of Civil Engineers*. Vol. 94, No. ST6. June 1968.
- WATSON, S. C. Compression seals for bridges. *Journal of the American Concrete Institute. Proceedings* Vol. 65, No. 9. September 1968. pp. 721-729.
- ZIPP, O. and HOFER, H. Die Beeinflussung von Polysulfid-Dichtungsmassen durch Glättmittel und Anstriche. (The action of smoothing agents and coatings on polysulphide sealing compounds.) *Betonstein-Zeitung*. Vol. 34, No. 6. June 1968. pp. 288-290.

TESTING

General

- AKATSUKA, Y. Pressure on forms of prepacked concrete. *Journal of the American Concrete Institute. Proceedings* Vol. 65, No. 5. May 1968. pp. 390-394.
- ENGBERG, E. and WALLIN, L. Kryprelaxationsprov med hög-hållfast försparningstråd under lång tid. (Long-term creep relaxation tests on high-tensile steel prestressing wire.) Reprinted from: *Nordisk Betong*. No. 3. 1966. pp. 231-236. Stockholm. 1966. pp. 6
- HERSEY, A. T. Experimental research in abuse of high strength concrete. *Journal of the American Concrete Institute. Proceedings* Vol. 65, No. 5. May 1968. pp. 379-382.
- KEMP, E. L., BREZNY, F. S. and UNTERSPAN, J. A. Effect of rust and scale on the bond characteristics of deformed reinforcing bars. *Journal of the American Concrete Institute. Proceedings* Vol. 65, No. 9. September 1968. pp. 743-756.
- SORETZ, S. Beitrag zum Einfluss von Art und Dauer der Belastung auf das Verhalten von Stahlbeton. (Contribution concerning the influence of the nature and duration of loading on the behaviour of reinforced concrete.) Luxemburg, Tor-Isteg Steel Corporation, 1967. pp. 36. No. 20.
- SPAAGAREN, C. J. Steunpuntsmomentum bij statisch onbepaalde bruggen. (Bearing moments in statically indeterminate bridges.) *Cement*. Vol. 22, No. 8. August 1968. pp. 305-308.
- SPETLA, Z. and KADLECEK, V. Vliv reliqpnsti zkusebnich cálcu na pevnost betonu v prostém tahu. (The influence of the size of test cylinders on the simple tensile strength of concrete.) *Inženýrské Stavby*. Vol. 16, No. 4. April 1968. pp. 145-149.
- WEIGLER, H. and KARL, S. Frost- und Tausalz widerstand und Verschleissverhalten von Konstruktionsleichtbetonen. (Frost and de-icing salt resistance and resistance to abrasion of structural lightweight concretes.) *Betonstein-Zeitung*. Vol. 34, No. 5. May 1968. pp. 225-237.

Structural

- ANON. Report on unbonded post-tensioned prestressed, reinforced concrete flat plate floor with expanded shale aggregate. *Journal of the Prestressed Concrete Institute*. Vol. 13, No. 2. April 1968. pp. 45-56.
- BRACHET, M. Résultats d'auscultation des fils d'un ouvrage en béton précontraint. (Results of sonic tests on wires in a prestressed concrete structure.) *Annales de l'Institut Technique de Bâtiment et des Travaux Publics* (Supplement). Vol. 17, No. 203. November 1964. pp. 1265.
- DE PAIVA, H. A. R., NEVILLE, A. M. and GUGER, H. A. Shear-moment interaction in continuous prestressed concrete I-beams with varying level supports. *Journal of the Prestressed Concrete Institute*. Vol. 12, No. 2. April 1967. pp. 38-56.

- DREUX, G. Ou en est le fluage-restrait de la dalle du Centre d'Essais des Structures (C.E.S.) a Saint-Rémy-lès Chevreuse après trois ans et demi de précontrainte. [The present state of creep and shrinkage in the experimental slab at the Structural Testing Centre (C.E.S.) at Saint-Rémy-lès-Chevreuse three and a half years after tensioning.] *Annales de l'Institut Technique du Bâtiment et des Travaux Publics* (Supplement). Vol. 17, No. 203. November 1964. pp. 1275-1276: Discussion, 1276-1277.
- DUMAS, F. Effets des déformations différées des éléments d'une construction sur leur précontrainte. (Effects of delayed deformations in structural members on the state of prestress.) *Annales de l'Institut Technique du Bâtiment et des Travaux Publics* (Supplement). Vol. 17, No. 203. November 1964. pp. 1284-1209: Discussion, 1290-1292.
- DZAPARIDZE, G. M., LORDKIPANDIZE, R. S. and CHIKOVANI, N. S. An experimental study of a prefabricated reinforced concrete cylindrical shell in the process of erection. *USSR Scientific Abstracts*. No. 68. 27 May 1968. p. 9.
- GOODE, C. D. and HELMY, M. A. Bending and torsion of reinforced concrete beams. *Magazine of Concrete Research*. Vol. 20, No. 64. September 1968. pp. 155-166.
- HOLMBERG, A. Dimensionering av betongkonsoler. (Design of concrete brackets.) *Nordisk Betong*. No. 3. 1968. pp. 193-196.
- LOOV, R. A precast beam connection designed for shear and axial load. *Journal of the Prestressed Concrete Institute*. Vol. 13, No. 3. June 1968. pp. 12-27.
- PELTIER, R. Observations faites à Fontenay-Trésigny et au Laboratoire Central des Ponts et Chaussées sur le fluage des bétons fortement précontraints. (Creep observations made at Fontenay-Trésigny and at the Central Highways Laboratory on heavily prestressed concretes.) *Annales de l'Institut Technique du Bâtiment et des Travaux Publics* (Supplement). Vol. 17, No. 203. November 1964. pp. 1278-1282: Discussion, 1282-1283.
- RAMAKRISHNAN, V. and JAYARAMAN, V. Combined bending and torsional strength of reinforced concrete T-beams without web reinforcement. *The Indian Concrete Journal*. Vol. 42, No. 3. March 1968. pp. 121-125.
- RUMMAN, W. C. Earthquake forces in reinforced concrete chimneys. *Proceedings of the American Society of Civil Engineers*. Vol. 93, ST6. 1967. pp. 55-70.
- SOARE, M. and PETCU, V. Theoretical and experimental study of rectangular concrete slabs reinforced with high strength bars. *The Indian Concrete Journal*. Vol. 42, No. 3. March 1968. pp. 100-106.
- STEINDL, A. Konstruktionsleichtbeton-Versuche aus Österreich. (Structural lightweight concrete tests in Austria.) *Betonstein-Zeitung*. Vol. 34, No. 5. May 1968. pp. 241-244.

Models

- ARMER, G. S. T. Ultimate load tests of slabs designed by the strip method. *Proceedings of the Institution of Civil Engineers*. Vol. 41. October 1968. pp. 313-331.
- GLASSMAN, A. Analysis of spatial structures by means of models. *Bulletin of the International Association for Shell Structures*. No. 34. June 1968. pp. 5-12.
- MATTOCK, A. H. and JOHNSTON, S. Behaviour under load of composite box-girder bridges. *Proceedings of the American Society of Civil Engineers*. Vol. 94, No. ST 10. October 1968. pp. 2351-2370.
- ROLL, F. Materials for structural models. *Proceedings of the American Society of Civil Engineers*. Vol. 94, No. ST6. June 1968. pp. 1353-1381.

Apparatus

- GUPTA, B. K., EDWARDS, A. D. and LOVEDAY, R. W. The development and use of a force-moment transducer. *Magazine of Concrete Research*. Vol. 20, No. 64. September 1968. pp. 177-182.
- KOMLOS, K. and OPRSA, M. Two devices for measuring concrete viscosity. *Materials and Structures*. Vol. 1, No. 2. March/April 1968. pp. 151-156.

OPPERMANN, H.-U. Automatische Frost-Tauwechsellanlage zur Prüfung von Baustoffen. (Automatic freezing and thawing plant for testing construction materials.) *Betonstein-Zeitung*. Vol. 34, No. 4. April 1968. pp. 201-202.

VIROHNAUD, L. and THIERRY-LEUFROY, G. Machine de fatigue pour agrafes de voiles de murs sandwichs. (Fatigue testing machine for connectors for the leaves of sandwich-type walls.) *Materials and Structures*. Vol. 1, No. 2. March/April 1968. pp. 157-159.

Methods

ACCELERATED TESTING COMMITTEE. An accelerated test for concrete. *Proceedings of the Institution of Civil Engineers*. Vol. 40. May 1968. pp. 125-129.

ANON. Maling af konsistens af haerdnende cementpasta og -mørtel. (Determination of the consistency of cement paste and mortar during hardening.) *Beton Teknik*. Vol. 34, No. 2. 1968. pp. 55-60.

CHANDRA, D., SEREDA, P. J. and SWENSON, E. G. Hydration and strength of neat Portland cement. *Magazine of Concrete Research*. Vol. 20, No. 64. September 1968. pp. 131-136.

DAVIES, J. D. A modified splitting test for concrete specimens. *Magazine of Concrete Research*. Vol. 20, No. 64. September 1968. pp. 183-186.

FLETCHER, K. E. The analysis of belite in Portland cement clinker by means of an electron-probe microanalyser. *Magazine of Concrete Research*. Vol. 20, No. 64. September 1968. pp. 167-170.

HANCOX, N. L. An electrical measurement of the effective cross-sectional area for conduction or flow processes in cement paste. *Magazine of Concrete Research*. Vol. 20, No. 64. September 1968. pp. 171-176.

MANGEL, S. Beitrag zur Prüfung von Betonwürfeln. (Contribution on testing concrete cubes.) *Betonstein-Zeitung*. Vol. 34, No. 4. April 1968. pp. 197-200.

PRICE, W. J. and ROOS, J. T. H. The determination of silicon by atomic-absorption spectrophotometry with particular reference to steel, cast iron, aluminium alloys and cement. *Analyst*. Vol. 93, No. 11. November 1968. pp. 700-714.

SEHLKE, K. H. L. X-ray diffractometry as a method for determining the Portland cement content of mixtures of Portland cement and milled granulated blast-furnace slag. *Cement and Lime Manufacture*. Vol. 40, No. 4. July 1967. pp. 57-62.

CONSTRUCTIONAL TECHNIQUES

ANDREWS, G. H., SQUIER, L. R. and KLASSELL, J. A. Murs de soutènement constitués de pieux de grand diamètre. (Retaining walls formed of large-diameter piles.) *La Technique des Travaux*. Vol. 44, No. 7-8. July-August 1968. pp. 210-225.

ANON. Ardrossan bridge employs precast prestressed components. *Civil Engineering*. Vol. 38, No. 2. February 1968. pp. 48-49.

ANON. Intricate pours demand complex forming. *Construction Methods*. Vol. 50, No. 6. June 1968. pp. 70-73, 76, 79.

ANON. Le nouveau pont en béton précontraint construit par encorbellement à Croissy-sur-Seine. (The new prestressed concrete bridge built by the cantilever method at Croissy-sur-Seine.) *La Technique des Travaux*. Vol. 44, No. 5-6. May-June 1968. pp. 167-174.

ANON. Roller-suspension process of making concrete pipes. *Concrete Building and Concrete Products*. Vol. 43, No. 8. August 1968. pp. 115-117.

ANON. Vacuum lifting of large precast concrete slabs. *Concrete Building and Concrete Products*. Vol. 43, No. 8. August 1968. p. 123.

BESSEY, G. E. The world development and economic significance of the aerated concrete industry. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 203-212.

BLAKEY, F. A. Lightweight-aggregate concrete in flat-plate floor structures. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 89-97.

BROWN, E. V. Architectural concrete: contractor's execution. *Journal of the American Concrete Institute. Proceedings* Vol. 65, No. 7. July 1968. pp. 531-534.

BROWN, W. P. The use of lightweight concrete in the Melbourne area, particularly in high-rise precast residential construction. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 137-145.

CHERRY, J. R. Cost of concrete industrial buildings. *Civil Engineering*. Vol. 38, No. 1. January 1968. pp. 42-45.

CURTIS, R. B. Single-Tee bridges. *Journal of the Prestressed Concrete Institute*. Vol. 12, No. 2. April 1967. pp. 76-81.

FINTEL, M. Staggered transverse wall beams for multistorey concrete buildings. *Journal of the American Concrete Institute. Proceedings* Vol. 65, No. 5. May 1968. pp. 366-378.

FORTIER, E. C. Large diameter nonreinforced cast-in-place concrete pipe. *Journal of the American Concrete Institute. Proceedings* Vol. 65, No. 7. July 1968. pp. 544-549.

GAMSKI, K. The role of resins in the protection and repair of structures. *Materials and Structures*. Vol. 1, No. 3. May/June 1968. pp. 275-301.

GERWICK, BEN C. JR. Effective utilization of prestressed lightweight concrete. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 243-250.

GHOSH, R. K., PHULL, Y. R. and GARG, A. K. Thin bonded concrete resurfacing to improve the riding quality of rigid pavements. *Journal of the Indian Roads Congress*. Vol. 31. May 1968. pp. 45-46.

GOFFIN, H. Grossformatige Wand- und Deckentafeln für den Hoch- und Industriebau. (Large wall and ceiling panels for site construction and industrialized building.) *Betonstein-Zeitung*. Vol. 34, No. 6. June 1968. pp. 280-287.

GREGORY, S. J. Small-line mobile concrete pumping in the U.K. *Contract Journal*. Vol. 224, No. 4653. 29 August 1968. pp. 987, 989, 1003.

HURD, M. K. Dusting of formed concrete surfaces. *Journal of the American Concrete Institute. Proceedings* Vol. 65, No. 9. September 1968. p. 720.

KNOBLOCH, S. Lagern und Stapeln in Betonwerken. (Storing and piling in concrete works.) *Betonstein-Zeitung*. Vol. 34, No. 4. April 1968. pp. 188-194.

LABUTIN, N. Schalplatten auf der Baustelle: Schalplattenfabrikate. (Formwork panels on the site: proprietary panel systems.) *Baupraxis*. Vol. 14, No. 12. 1962. pp. 1217-1224.

MAKARICHEV, V. V., LEVIN, N. I. and BARANOV, A. T. Aerated concrete structures: design methods practised in the USSR. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 213-224.

MIHUL, A., LEONTE, C., CAPATU, C. and CUCIUREANU, A. Precomprimarea elementelor liniare din beton armat prin incarcare. (Prestressing of linear elements in prestressed reinforced concrete.) *Revista Constructiilor si a Materialelor de Constructii*. Vol. 21, No. 3. March 1967. pp. 156-162.

MURTHY, O. S. Reinforced and prestressed concrete construction on the Udaipur-Himmatnagar railway link. *The Indian Concrete Journal*. Vol. 41, No. 4. April 1967. pp. 148-150.

ØDEGAARD, E. Betongbelegninger av ferdigvarer i hagen Heller, betongstein og forsklingsblokk. (Concrete products for concrete pavements in gardens. Flags, concrete bricks and hollow blocks.) *Betongen Idag*. Vol. 33, No. 4. 1968. pp. 151-154.

PEROTTI, A. Architectural and economic considerations in the use of concrete made with vitreous fine aggregates. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 235-242.

- PORTMANNMH, J. Hebel-Verbundemente—Eine hinterlüftete Fassade aus Gasbeton. (Lever-bond panels. Aerated concrete facing.) *Betonstein-Zeitung*. Vol. 34, No. 2. February 1968. pp. 57–61.
- ROESSER, K. Leichtbeton in den USA. (Lightweight concrete in the USA.) *Betonstein-Zeitung*. Vol. 34, No. 5. May 1968. pp. 220–224.
- SHORT, A. Leichtbeton in Grossbritannien. (Lightweight concrete in Great Britain.) *Betonstein-Zeitung*. Vol. 34, No. 5. May 1968. pp. 213–219.
- STIGTER, J. Two fifty-storey buildings in Australia built with lightweight concrete. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 175–186.
- WASHBURN, L. C. Architectural concrete: planning requirements. *Journal of the American Concrete Institute. Proceedings* Vol. 65, No. 7. July 1968. pp. 525–531.
- WEINBERG, B. E. Performance concept in building. *Journal of the Prestressed Concrete Institute*. Vol. 12, No. 2. April 1967. pp. 57–62.
- WENNSTRÖM, I. The use of aerated concrete units for low-rise housing: planning and design, architectural properties and some experience with completed houses. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 65–75.
- ZUNZ, G. J. Some notes on the use of lightweight concrete in structures in the United Kingdom. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 187–202.
- DAVIES, J. D. and LONG, J. E. Behaviour of square tanks on elastic foundations. *Proceedings of the American Society of Civil Engineers*. Vol. 94, No. EM3. June 1968. pp. 753–772.
- GROSSE, M. Zur Stabilität von Stahlbetonstützen mit I- und T-Querschnitt. (Stability of I- and T-section supports in reinforced concrete.) *Bauplanung Bautechnik*. Vol. 22, No. 7. July 1968. pp. 320–322.
- HANNANT, D. J. and FREDERICK, C. O. Failure criteria for concrete in compression. *Magazine of Concrete Research*. Vol. 20, No. 64. September 1968. pp. 137–144.
- HSU, T. T. C. Torsion of structural concrete-uniformly prestressed rectangular members without web reinforcement. *Journal of the Prestressed Concrete Institute*. Vol. 13, No. 2. April 1968. pp. 34–44.
- HUGHES, B. P. and ASH, J. E. Short-term loading and deformation of concrete in uniaxial tension and pure torsion. *Magazine of Concrete Research*. Vol. 20, No. 64. September 1968. pp. 145–154.
- JOHANSEN, K. W. *Forelaesninger over elasticitets- og styrkelære*. (Lectures on theory of elasticity and strength.) Copenhagen, Polyteknisk Forening, 1956. pp. 46. Publication No. 4.
- KALRA, M. L. Empirical formulae for calculating stress for long inner shells. *Bulletin of the International Association for Shell Structures*. No. 34. June 1968. pp. 39–48.
- KERKHOFS, W. Détermination des tensions dans les coques de révolution. (Determination of stresses in shells of revolution.) *La Technique des Travaux*. Vol. 44. No. 5-6. May–June 1968. pp. 182–192. No. 7-8. July–August 1968. pp. 245–257.
- KOHLI, J. P. Optimum design of concrete spread footing by computer. *Journal of the American Concrete Institute. Proceedings* Vol. 65, No. 5. May 1968. pp. 384–389.
- LIKAR, O. Verformungsmomente und Knicklasten hoher konischer Türme. (Deformation moments and buckling loads of high conical towers.) *Beton- und Stahlbetonbau*. Vol. 63, No. 6-7. June/July 1968. pp. 125–132, 160–165.
- NASSER, G. D. A practical approach to the design of continuous prestressed concrete structures. *The Indian Concrete Journal*. Vol. 42, No. 5. May 1968. pp. 199–202.
- RAMAKRISHNAN, V. and JAYARAMAN, V. Combined bending and torsional strength of reinforced concrete T-beams without web reinforcement. *The Indian Concrete Journal*. Vol. 42, No. 3. March 1968. pp. 121–125.
- SHARMA, S. S. and SYAL, I. C. Economical design of reinforced concrete rectangular frames. *Cement and Concrete (India)*. Vol. 9, No. 1. April–June 1968. pp. 66–81.
- SOARE, M. and PETCU, V. Theoretical and experimental study of rectangular concrete slabs reinforced with high strength bars. *The Indian Concrete Journal*. Vol. 42, No. 3. March 1968. pp. 106–106.
- UZSOY, S. Z. Numerical analysis of shells of revolution of arbitrary shape subject to arbitrary loads and temperature distributions. *Bulletin of the International Association for Shell Structures*. No. 33. March 1968. pp. 3–26.
- WANG CHEN-HWA. Direct design method for prestressed concrete slabs. *Journal of the Prestressed Concrete Institute*. Vol. 13, No. 3. June 1968. pp. 62–72.
- WESCHE, K. Regulations for reinforced and prestressed lightweight-aggregate concrete in various countries. *Proceedings of the First International Congress on Lightweight Concrete, London, May 1968*. Volume 1: Papers. London, Cement and Concrete Association, 1968. pp. 225–233.