

## 外國文獻內容目錄拔萃 (I)

内務省土木試験所に於て調査しつある外國文獻內容目錄の抜萃を本號以下逐次掲載する。  
之等は戦時中及び戦後に發表されたものであつて、特に價值ありと考へられるものは内容梗概を順次に紹介して行き度い考へである。

### PROCEEDINGS OF THE AMERICAN SOCIETY OF CIVIL ENGINEERINGS 1943—1946

#### 1943

Oct.

Rainbow Arch Bridge over Niagara Geogee; Symposium

Nov.

Storage and the Unit Hydrograph; Clark C. C.

Rigidity and Aerodynamic Stability of Suspension Bridges; Steinman, D. B.

Unusual Cutoff Problem-Dams of the Tennessee Valley Authority; Symposium

#### 1944

Jan.

Coefficient for Velocity Distribution in Open Channel Flow; Eisenlohr, William  
Military Airfields; Symposium

Feb.

Simultaneous Consolidation of Contiguous Layers of Unlike Compressible Soil; Gray, Hamilton  
Analysis of Rigid Frames by Superposition; Wilson

Mar.

Erection of Hydraulic Turbines and Generatores;; Komora, Andrew M.

Shear and Bond Stresses in Reinforced-Concrete; Benscoter Stanly, U.

Flood Formulas Based on Drainage Basin Characteristics; Kinnson H. E.

Hydraulic Model Investigation of Miter Gate Aperation; Amster, Manvee.

Apr.

Analysis of the General Tow-Dimentional Framework; Nubar.

May

Design and Constnction of Airport Runways and Flight Strips; Reort

Economical Canal Cross Section Streeter; Victor L.

Pressure on the Lining of Circular Tunnels in Plastic Soils; Krynire D. P.

Construction of the Flow Net for Hydraulics Design; Foster H. Alden

Jun.

Characteristic Redundants Used for Analysing Structure; Wilbur Jehm B.

Translatovy Waves in Natural Channels; Wilkinson J. H.

Wedge-Shaped Structural Members Under Direct Stress and Bending; Moran, Robert B. B.

Sep.

Stability and Stiffness of Cellular Coffier-Dams; Terzaghi Karl

Amplified Slope Deflection; Stewart Ralph W.

Oct.

Design Constants for Beams with Non-Symmetrical Straight Haunches; Ahlf August L.  
 Lock Manifold Experiments; Soucek, Edward, and Zelnik F. W.  
 Concentration of Sewage Sludge; Symposium  
 Evaporation from a Free Water Surface; Hickox G. H.

Nov.

Analysis of Statically Indeterminate Structures Using Reduced Equations;

Dec.

Conversion of Kinetic to Potential Energy in Flow Expansions; Kalinske A. A.  
 Column Formulas; Osgood William R.  
 Flow in a Channel of Definite Roughness; Ralph W.

### 1945

Jan.

Deterioration of Concrete Dams Due to Alkali-Aggregate Reaction; R F. Blinks  
 The Effect of Blanket on Seepage Through Pervious Foundation; Preston T. Bennett  
 Utilization of Ground-water storage in Stream Development; Harold Conkling  
 Interrelation of Certain Structural Concepts;

Feb.

The Mechanism of Energy Loss in Fluid Friction;  
 A Plan for Movable Dam;

Mar.

Elimination of Cross Connections in Los Angeles; Harry Hayes  
 Economics of Photogrammetry; Leon T. Eliel  
 Determination of Pressures within a Siphon Spillway; I. M. Nelidov  
 Computing Coagulant Requirements in Sludge Conditioning; A. L. Genter  
 The Effect of Blankets on Seepage Through Pervious Foundation;

Apr.

Design of Roadbeds; Ira B. Mullis  
 Flow from Drainage Basins Determinate by Short-Term Record; Lloyd L. Harrold  
 Sedimentation and the Design of Settling Tanks; Thomas R. Cawp

May.

Future Lake Mead and Elephant Butte Reservoir; J. C. Stevns  
 Moving Load on Restrained Beams and Frames; R. C. Brumfield  
 Mathematical Examination of the Highway Transition Spiral; John Oran Eichin and Howard  
 W. Eves

Jun.

Effect of Radiant-Heat on Reinforced-Concrete Rigid Frames; Milan A. Johnston  
 Structural Skew Plates; F. H. Ehasz  
 Correlating Flood Control and Water Supply;

Sept.

Cavitation in Hydraulic Structures; Symposium

Oct.

Safety of Structure; Alfred M. Freudenthal

Design Developments-Structures of the Tennessee Valley; Symposium  
Nov.

Balanced Design in Urban Triangulation; C. D. Hopkins

Shipways with Cellular Walls on a Marl Foundation; M. M. Fritz Hugh, J. S. Miller and Karl Terzaghi

#### 1946

Jan.

Technical Survey-Brooklin Bridge After Sixty Years; Symposium

### ENGINEERING NEWS RECORD 1945

#### 1945

Oct. 11 Vol. 135 No. 15

Long Bailey Bridge Spans Shweli River

Ohio River pollution abatement closer

Seek authorization for \$362 million of public building construction

Oct. 18 Vol. 135 No. 16

Deck Bridge Built of Precast T-Beam Units

Fabric Cells Used for Underwater Salvage

Building Port Apra Breakwater; P. R. Day

Collimators Aid Adjustments; N. E. Foster and L. C. Higbee

Machine to Paint Traffic Stripes

Life of Corrugated Culverts; G. E. Shafer and W. J. Kroff

Special Section —Peacetime Building—

Modular Design Advantage; A. G. Lorimer

Timber Innovations; A. G. H. Diety

Aluminum Design Methods; R. L. Moore

Light-Gage Steel Possibilities; M. Male

Concrete Design Trends; A. J. Boase

Welding Steel Developments; L. Grover

New Building Materials and Equipment

Oct. 25 Vol. 135 No. 17

House approves \$700 million fund for 10yr. airport building program.

Floodlamps aid Anderson Ranch Dam rising work

Horizontal radial well has Vertical features, too

Ogden. Utah, reservoir drained for inspection

Building with Non-Magnetic Properties

Re-examination of engineer schools planned by development Council

Nov. 1 Vol. 135 No. 18

France Begins Bridge Reconstruction; W. G. Bowman

Gnite Tunnel Lining Test Reveals Difficulties in Application

Form Linings for Concrete Surface; Harison V. Pittman

Army to Save \$8,000,000 On Refuse Collection

Highway Snow Removal methods

Natural Gas Pipeline 90 Miles Long Has Long Unsupported Spans  
 Moment Ratios Simplify —Continuity Analysis— Part 1; Frederik S. Merritt  
 Nov. 8 Vol. 135 No. 19

Demolition of a Waterless Gas Tank

A. I. S. C. enlarges engineering staff, sees rise in structural steel demand

Mexico City builds \$10 million sport city

Major irrigation scheme for Arizona made subject of U. S. B. R. report

Nov. 15 Vol. 135 No 20

Test on Creosoted Laminated Stringer; O. Harry Schrader Jr.

Semi-Circular Spillway in Action

Pecos Gorge in Texas Spanned By New Railroad Bridge; Harry T. Engel

Minnesota Creates New Commission for Water Pollution Control

Column Stress by Successive Deflections; L. T. Wylie

Structural Behavior of Fontana Dam Revealed by Dual-Purpose Instruments; W. E. Waugh

Asphalt Plant for an Island Airbase; Alexander Keirsey

Moment Ratios Simplify-Continuity Analysis-Part 2; Frederik S. Merritt

Nuisance-Free Refuse Incineration Depends Largely on Proper Operation Timber Products Research

Secrets.

Nov. 22 Vol. 135 No. 21

Timing of public works seen as construction aid

Sewer use tax now legal in Philadelphia, Pa.

Big South American road program will aid international Communication

Kentucky law prohibits diversion

Quick Method of Tower Demolition keeps Wreckage Near Base Area

Inadequate Denver Sewage Treatment charged by state Action threatened

Finish Pan-American road bridge to link Argentine, Brazilian highways

Make economic survey for Cascade Tunnels

Urge Commission for Washington highways

Favor new exit roadway for Holland Tunnel

Seek survey of Panama Canal needs

Huge B. 29 airfields on Tinian Island has parallel runways

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