

Indexes to A.S.M.E. Papers and Publications

THE following pages will serve as a guide to the current publications of the A.S.M.E. during the calendar year 1938, and also to publications developed by the technical committees. The publications of the Society are as follows:

REGULAR SOCIETY PUBLICATIONS, 1938

Mechanical Engineering, monthly (see index on pages RI-97-108)
A.S.M.E. Transactions, monthly (see index on pages RI-109-120)
Mechanical Catalog, 1939 edition

SPECIAL PUBLICATIONS ISSUED IN 1938

1937 Oil Engine Power Cost Report
1937 Proceedings of Graphic Arts Technical Conference
Creep Data
General Discussion on Lubrication
Standards
Time-Series Charts
Cast-Iron Pipe Flanges and Flanged Fittings for Maximum WSP of 125 lb
Steel Pipe Flanges, and Flanged Fittings for Maximum WSP of 150 to 2500 lb
Power Test Codes
Steam Condensing Apparatus
Hydraulic Prime Movers
Instruments and Apparatus, Part 2, Pressure Measurement, Chapter 4 on Bourdon, Bellows, Diaphragm, and Deadweight Gages
Safety
A.P.I.-A.S.M.E. Unfired Pressure Vessel Code for Petroleum Liquids and Gases

Papers Presented at A.S.M.E. Meetings, 1938

THE complete technical programs of the meetings of the Society and of its Professional Divisions have been published in *Mechanical Engineering* and may be located by consulting the index on pages RI-97-108. A considerable number of papers and reports included in these programs were not published during the year in either Transactions or *Mechanical Engineering*, but were issued in mimeographed or photo-offset form. Complete sets of these are on file for reference purposes at the office of the Society and the Engineering Societies Library, under the title of "Miscellaneous Papers Presented at A.S.M.E. Meetings, 1938." Photostatic copies of any of the papers may be secured from the Library at regular rates. A list of these papers and reports follows:

MISCELLANEOUS PAPERS PRESENTED AT A.S.M.E. MEETINGS IN 1938—NOT PUBLISHED

BARNES, C. A., Some Aspects of Combustion in Small Underfeed Stokers

BEAN, W. R., The Use of Pulverized Coal in Metallurgical Furnace Firing
BENDER, F. W., The Effect of the Enclosed Ink Foundation on Intaglio Printing
BERNHARDT, HERMAN A., Color Offset Printing
BRANDT, CARL, Super-Draft Roving
CLEGHORN, M. P., Iowa Coal as a Domestic Stoker Fuel
CONNOR, T. B., Municipal Lighting and Power Systems "Go to Town" With Diesel Power
COOKE, HARTE, Piston Rings and Cylinder Wear
CUMMINS, C. L., Recent Developments, Applications, and Trends of High-Speed Diesel Engines
DALTON, T. E., Engineering and the Graphic Arts
DEGLER, HOWARD E., Five Years' Progress of Oil and Gas Power
DUNN, J. C., Progress and Problems in Printing Rollers
FEHSE, RUDOLPH E., Color-Printing Progress Session
GRAHAM, J. J., Operating Experiences With Gas-Fuel Diesel Engines
HERRON, JAMES H., The History and Development of Woodworking Hand Tools
KEPPLER, P. W., Operating Experiences and Graphical Analysis of Automatic Combustion Control
KOPPLIN, KARL, Liquid Resin as a Plywood Adhesive
LOWE, R. P., Application of an Asymptotic Reset Controller to Sewage Settling Basins
MACARTHUR, CHARLES, Rapid-Drying Inks on Web-Fed Presses
MANCHA, RAYMOND, Factory Testing Propeller Mine Fans
McCABE, L. C., AND REES, O. W., The Effect of Preparation on Ash Fusibility as Revealed by a Study of Selected Illinois Mines
MERRIAM, PAUL A., Recent Developments in Wet Finishing and Dyeing Machinery
NORRIS, CHARLES B., The Elastic Theory of Wood Failure
PASSANO, W. M., Employer-Employee Relations—Wages
PELLISSIER, M. RAOUL, Color Rotogravure Printing
Progress Statement by Engine Manufacturers
SCHREIBER, MARTIN, Diesel-Electric Bus Operation
SHAUGHNESSY, J. B., Rubber Plates in the Graphic Arts
SMITH, E. W. P., Cost of Welding and Welded Products—Factors Involved—Economics
SPENCER, E. R., Essential Factors Contributing to the Success of a Maintenance Program for Diesel Engines
SPITZGLASS, ALBERT F., Quantitative Analysis of Single-Capacity Processes
STETSON, G. L., Latest Developments in Diesel-Fuel Testing
STORCH, H. H., AND FIELDNER, A. C., Coal Hydrogenation, Bureau of Mines Experimental Plant
STUEVE, W. H., Trends, Load Characteristics, and Efficiencies of Power Applications for Pumping Oil Wells
SUTTON, H. M., Reduction of Woodworking Wastes and Labor Costs in Rough Dimensioning
TAYLOR, WALLACE, Mechanical Equipment for Fabric Printing
TREIBER, O. D., Recent Developments in Automotive-Type Diesel Engines
VAN POPPELEN, F. J., Factory Layout and Safety
WEBER, E. F., The Diesel Engine in High-Speed Railroad Service
WHITEHEAD, WILLARD J., Modern Governing Equipment for Internal-Combustion Engines
WILLIAMSON, W. W., Manufacturing Insulation Material From a Former Forest Waste

Publications Developed by the Technical Committees

THE Society's technical committees, the first of which was organized many years ago and all of which have been continuously at work on codes, standards, research, and other special reports, have developed a series of publications of permanent value to the membership. The following list is first presented here for record and for ready reference. This list covers the entire group of publications of these committees completed to date which are now available.

To assist the members in securing copies of these publications

the sale price is also given. A discount of 10 per cent is allowed to A.S.M.E. members on standards and a 20 per cent discount on all other publications except where otherwise noted.

RESEARCH

Dynamic Loads on Gear Teeth (1932), \$1.50

Fluid Meters:

Part 1—Theory and Application (1937), \$3.00

Part 2—Description of Meters (1931), \$1.75

Part 3—Selection and Installation (1933), \$1.50

Report of the AGA-ASME Committee on Orifice Coefficients (1935), \$2.75

Tests on Electrical Equipment for Drilling Rotary Drilled Oil Wells (1933), \$0.85

Tests on Steam Equipment for Drilling Rotary Drilled Oil Wells (1932), \$0.85

Roll-Neck Bearings (1935), \$1.50

Bibliography on Cutting of Metals (1866–1930), \$1.25

Bibliography on Deterioration of Condensing Equipment (1845–1930), \$1.25

Bibliography on Effect of Temperature Upon Properties of Metals (1828–1931), \$1.25

Bibliography on Management Literature and Supplement (1903–1935), \$2.75

Bibliography on Mechanical Springs (1678–1927), \$1.25

Bibliography on Woods of the World (1928), \$1.25

Bibliography on Marketing Research (1935), \$1.00

POWER TEST CODES

TEST CODES FOR

Atmospheric Water-Cooling Equipment (1930), \$0.45

Centrifugal and Rotary Pumps (revision in preparation)

Compressors and Exhausters (1935), \$0.95

Displacement Compressors and Blowers (revision in preparation)

Evaporating Apparatus (1927), \$0.50

Feedwater Heaters (1927), \$0.35

Gas Producers (1928), \$0.55

Hydraulic Prime Movers (1938), \$0.60

Internal-Combustion Engines (1930), \$0.55

Liquid Fuels (1930), \$0.35

Reciprocating Steam Engines (1935), \$0.65

Reciprocating Steam-Driven Displacement Pumps (1927), \$0.65

Refrigerating Systems (1927), \$0.55

Solid Fuels (1931), \$0.55

Speed-Responsive Governors (1927), \$0.45

Stationary Steam-Generating Units (1936), \$0.60

Steam Condensing Apparatus (1938), \$0.65

Steam Locomotives (1927), \$0.55

Steam Turbines (1928), \$0.55

SUPPLEMENTARY CODES AND PUBLICATIONS

Definitions and Values (1931), \$0.40

General Instructions (1929), \$0.35

Instruments and Apparatus—

Part 1—General Consideration (1935), \$0.35

Part 2—Pressure Measurement; Chapter 1, Barometers, and Chapter 6, Tables, Multipliers and Standards (1929), \$0.35

Part 2—Pressure Measurement; Chapter 2, Static and Total Pressure, Static Holes and Tubes, Impact Tubes, and Chapter 3, Pipes for Pressure Measurements (1936), \$0.65

Part 2—Pressure Measurement; Chapter 4, Bourdon, Bellows, Diaphragm, and Deadweight Gages (1938), \$0.65

Part 3—Temperature Measurement; Chapter 1, General; Chapter 5, Pyrometric Cones; Chapter 6, Liquid-in-Glass Thermometers; and Chapter 7, Bourdon Tube Thermometers (1931), \$0.75

Part 3—Temperature Measurement; Chapter 2, Radiation Pyrometers (1936), \$0.55

Part 3—Temperature Measurement; Chapter 8, Optical Pyrometers (1933), \$0.35

Part 4—Head Measuring Apparatus (1933), \$0.35

Part 6—Electrical Measurements (1934), \$1.25

Part 9—Heat of Combustion (1932), \$0.40

Part 10—Flue and Exhaust Gas Analyses (1936), \$1.35

Part 11—Determination of Quality of Steam (1931), \$0.45

Part 12—Measurement of Time (1932), \$0.35

Part 13—Speed Measurements (1930), \$0.45

Part 14—Linear Measurements (1936), \$0.55

Part 15—Measurement of Surface Areas (1937), \$0.75

Part 16—Density Determinations (1931), \$0.30

Part 17—Determination of the Viscosity of Liquids (1931), \$0.45

Part 18—Humidity Determinations (1932), \$0.50

Part 20—Smoke-Density Determinations (1936), \$0.65

Part 21—Leakage Measurement, Chapter 1, Condenser Leakage Tests (1928), \$0.35

Part 21—Leakage Measurement; Chapter 2, Boiler and Piping; Chapter 3, Steam Engine Leakage (1932), \$0.35

BOILER CODE

Power Boiler Code (1937) Including Materials Specifications and 1938 Addenda, \$2.50

Locomotive Boiler Code (1935) with 1936–1938 Addenda, \$0.55
Low-Pressure Heating Boiler Code (1935) with 1936–1938 Addenda, \$0.65

Miniature Boiler Code (1935) with 1936–1938 Addenda, \$0.50

Suggested Rules for Care of Power Boilers (1935), \$0.70

A.S.M.E. Unfired Pressure Vessel Code (1937) with 1938 Addenda, \$0.75

A.S.M.E. Boiler Construction Code, Combined Edition (1937) with 1938 Addenda, \$5.50

Boiler Code Interpretation Sheets, \$1.25 per set with binder. Single sheets, \$0.15

Annual Subscription, \$2.50

STANDARDS

MACHINE SHOP PRACTICE STANDARDS

Shafting and Stock Keys (B17.1—1934), \$0.45

Code for Design of Transmission Shafting (B17c—1927), \$0.75

Woodruff Keys, Keyslots, and Cutters (B17f—1930), \$0.35

Tolerances, Allowances, and Gages for Metal Fits (B4a—1925), \$0.50

American Standard Screw Threads for Bolts, Nuts, Machine Screws, and Threaded Parts (B1.1—1935), \$0.60

Wrench-Head Bolts and Nuts and Wrench Openings (B18.2—1933), \$0.50

Slotted Head Proportions; Machine Screws, Cap Screws, and Wood Screws (B18c—1930), \$0.45

Track Bolts and Nuts (B18d—1930), \$0.40

Round Unslotted-Head Bolts, Carriage, Step, and Machine Bolts (B18e—1928), \$0.40

Plow Bolts (B18f—1928), \$0.35

Tinners', Coopers', and Belt Rivets (B18g—1928), \$0.35

Rotating Air Cylinders and Adapters (B5.5—1932), \$0.35

Jig Bushings (B5.6—1935), \$0.35

T-Slots, Their Bolts, Nuts, Tongues, and Cutters (B5a—1927), \$0.35

Tool Holder Shanks and Tool Post Openings (B5b—1929), \$0.25

Milling Cutters (B5c—1930), \$0.75

Taps—Cut and Ground Threads (B5e—1930), \$0.50

Spur Gear Tooth Form (B6.1—1932), \$0.45

Gear Materials and Blanks (B6.2—1933), \$0.50

Shaft Couplings (B49—1932), \$0.35

Drawings and Drafting Room Practice (Z14.1—1935), \$0.50

Small Rivets (B18a—1927), \$0.30

Large Rivets: $\frac{1}{2}$ in. diameter and larger (B18.4—1937), \$0.65

Socket Set Screws and Socket Head Cap Screws (B18.3—1936), \$0.40

Circular and Dovetail Forming Tool Blanks (B5.7—1936), \$0.40

Chucks and Chuck Jaws (B5.8—1936), \$0.45

Lathe Spindle Noses (B5.9—1936), \$0.50

Large Rivets (B18.4—1937), \$0.65

Machine Tapers (B5.10—1937), \$0.50

Adjustable Adapters (B5.11—1937), \$0.50

Fire Hose Coupling Screw Thread (B26—1925), \$0.25

Hose Coupling Screw Threads (B33.1—1935), \$0.25

Rolled Threads for Screw Shells of Electric Sockets and Lamp Bases (C44—1931), \$0.35

PIPE AND FITTINGS

Wrought-Iron and Wrought-Steel Pipe (B36.10—1935), \$0.50

Code for Pressure Piping (no discount) (B31.1—1935), \$1.00

Cast-Iron Pipe Flanges and Flanged Fittings for 25 Lb Maximum Saturated Steam Pressure (B16b2—1931), \$0.40

Cast-Iron Pipe Flanges and Flanged Fittings for 125 Lb Maximum Saturated Steam Pressure (B16a—1938), \$0.60

Cast-Iron Pipe Flanges and Flanged Fittings for 250 Lb Maximum Saturated Steam Pressure (B16b—1928), \$0.50

Cast-Iron Pipe Flanges and Flanged Fittings for 800 Lb Maximum Hydraulic Pressure (B16b1—1931), \$0.35

Malleable-Iron Screwed Fittings for 150 Lb Maximum Saturated Steam Pressure (B16c—1927), \$0.40
 Cast-Iron Screwed Fittings for 125 and 250 Lb Maximum Saturated Steam Pressure (B16d—1927), \$0.35
 Steel Flanged Fittings and Flanged Fittings for 150 to 2500 Lb Maximum Steam Service Pressure (B16e—1938), \$1.25
 Cast-Iron Long Turn Sprinkler Fittings for 150 and 250 Lb Maximum Saturated Steam Pressure (B16g—1929), and Addendum (B16g1—1937), \$0.50
 Scheme for the Identification of Piping Systems (A13—1928), \$0.50
 Cast-Iron Soil Pipe and Fittings (A40.1—1935), \$0.65
 Pipe Plugs (B16e2—1936), \$0.35
 Brass Fittings for Flared Copper Tubes (A40.2—1936), \$0.35

LETTER AND GRAPHICAL SYMBOLS

Symbols for Mechanics, Structural Engineering and Testing Materials (Z10a—1932), \$0.25
 Symbols for Hydraulics (Z10b—1929), \$0.35
 Symbols for Heat and Thermodynamics (Z10c—1931), \$0.30
 Symbols for Photometry and Illumination (Z10d—1930), \$0.20
 Aeronautical Symbols (Z10e—1929), \$0.35
 Mathematical Symbols (Z10f—1928), \$0.30
 Letter Symbols for Electrical Quantities (Z10g1—1929), \$0.20
 Graphical Symbols for Electric Power and Wiring (Z10g2—1933), \$0.20
 Graphical Symbols for Radio (Z10g3—1933), \$0.20
 Graphical Symbols for Electrical Traction Including Railway Signaling (Z10g5—1933), \$0.40
 Graphical Symbols for Telephone and Telegraph Use (Z10g6—1929), \$0.20
 Symbols for Electrical Equipment of Buildings (C10—1924), \$0.20
 Abbreviations for Scientific and Engineering Terms (Z10i—1932), \$0.40
 Time Series Charts (Z15.2—1938), \$1.25
 Engineering and Scientific Charts for Lantern Slides (Z15.1—1932), \$0.50
 Graphical Symbols for Mechanical Engineering (Z14.2—1935), \$0.45

SAFETY

Safety Code for Elevators (A17.1—1937) (10 per cent discount), \$1.00
 Elevator Inspectors' Manual (A17.2—1937) (10 per cent discount), \$0.75
 Safety Code for Mechanical Power-Transmission Apparatus (10 per cent discount) (B15—1927), \$0.35

JOINT CODE

API-ASME Code for Unfired Pressure Vessels for Petroleum Liquids and Gases (1938) (10 per cent discount), \$1.00

Biographies

BIOGRAPHIES issued under the sponsorship of the A.S.M.E. Biography Advisory Committee are as follows:

Life of Henry Laurence Gantt, by L. P. Alford (1934), \$5.00
 Biography of John Stevens, by Archibald Douglas Turnbull (1928), \$5.00
 Autobiography of John A. Brashear (1924), \$5.00
 Biography of James Hartness, by Joseph W. Roe (1937), \$4.00
 Biography of Robert Henry Thurston, by William F. Durand (1929), \$5.00
 Biography of John Edson Sweet, by Dean A. W. Smith (1925), \$4.50

Books on Special Subjects

Hydraulic Laboratory Practice (1929), \$10.00
 Bulletin 3, Munich Hydraulic Institute (1935), \$3.75
 Hydraulic Structures (1937), \$18.00
 1937 Oil Engine Power Cost Report (1938), \$1.00
 Creep Data (1938) (no discount), \$12.00
 General Discussion on Lubrication (1938) (no discount), \$6.50
 Corrosion-Resistant Metals (1936), \$1.25
 Proceedings of 1937 Graphic Arts Technical Conference (1938), \$0.75

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Each paper in the other eight issues is given a letter symbol (appearing at the top of the page) which identifies the Division or committee sponsoring it. The key to the symbols follows: AER (Aeronautics), FSP (Fuels and Steam Power), HYD (Hydraulics), MSP (Machine-Shop Practice), MAN (Management), MH (Materials Handling), OGP (Oil and Gas Power), PME (Petroleum Mechanical Engineering), PRO (Process), RR (Railroad), RP (Research), and TEX (Textiles). These symbols are accompanied in each case by the volume number of Transactions and the number of the paper; i.e., HYD-60-1 indicates the first paper sponsored by the Hydraulic Division to be published in volume 60 of Transactions.

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