

Catawissa PERFECT SEAL Unions

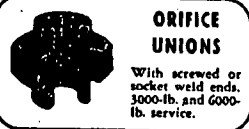
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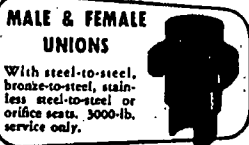
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Available with
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to 2".



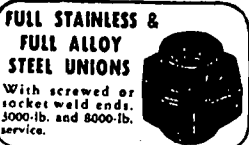
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More BOOKSHELF

Begins on page 228

Titanium, pre-stressed and air-entrained concrete and a new treatment of numerous plastics. The book uses the nomenclature for fatigue of metals recommended by the ASTM.

GAS TURBINE ANALYSIS AND PRACTICE. (1953). By B H Jennings, Professor and Chairman, Department of Mechanical Engineering, and W L Rogers, Assistant Professor of Mechanical Engineering, The Technological Institute, Northwestern University. 6x9 1/2, cloth, 487 pp., illus., tables. \$8.50. McGraw-Hill Book Co., Inc. 330 West 42nd Street, New York 36, N. Y.

The authors address this book to those who have some knowledge of basic thermodynamics and mechanics. Each component of the gas turbine is analyzed from both energy and stress standpoints. A table of air properties included as an integral part of the book simplifies the solution of problems. Various turbine and compressor design types are discussed and analyzed. Brief reviews are given of applications for aircraft, marine, locomotive, power generation and industrial purposes.

Close attention is given fuels, combustion and combustion chambers for gas turbine plants. A chapter on vibration and balancing and another on stresses in plant elements demonstrate practical design problems that must be solved. The book closes with a chapter on materials and metallurgy for the gas turbine.

GASDYNAMICS (GAS DYNAMICS). (1952). By Dr K Ostanich, 7x9 1/2, cloth, 456 pp., 300 illus., tables, calculating charts. \$18.60. Springer-Verlag, Molkenbrietel 5, Wien 1, Austria.

An advanced text in fluid dynamics dealing with the thermodynamics and kinematics of fluid flow. This book employs partial differentials and multiple integrals in discussing the subject. Treatment appears wholly theoretical with little design data provided. Includes information on testing methods used in research investigations. Written wholly in German.

OPPORTUNITIES IN ELECTRICAL ENGINEERING. (1953). By S P Shackleton, Bell Telephone Laboratories. 8x5 1/2, paper, 128 pp. \$1. Vocational Guidance Manuals, Inc. 45 W 45th Street, New York 36, N. Y.

A well-written book directed to young people who contemplate entering the electrical engineering profession. The author explores all aspects of the profession which a youngster should consider before embarking upon an engineering educational course of study. He describes the engineering profession generally and then gives detailed explanations of the electrical specialties.

Subjects covered include: education, licensing, getting started, advancement, opportunities for employment, related fields and organization of the field. Any engineer who wishes to counsel high school students on the nature of electrical engineering should have a copy of this book in his

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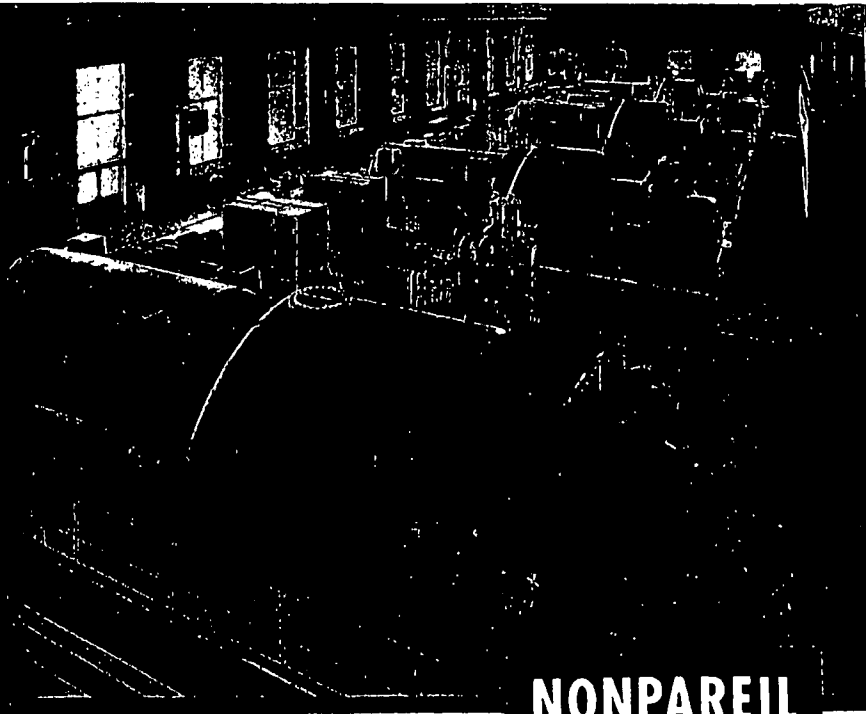
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