tion of the various algebraic and other rules as soon as possible after these have been explained and the author has succeeded well in carrying out his intention, as expressed in the quotation given above from the preface, so far as the ground covered by Part I. goes.

A special feature is Chapter I., "Aids to Calculation," in which a number of useful and handy methods are given for getting at rough approximations to the answers to problems, so that, for example, the placing of the decimal point in the answer found by slide rule will be simplified.

There are few engineers who would not find this book a great convenience either for the purpose of refreshing their memories or for extending their knowledge beyond existing limits.

If the editor of this series, W. J. Lineham, is successful in obtaining, for all his publications, the services of men who will write works of as much practical utility to engineers as this one by Mr. Rose, they are sure of a welcome. It should be stated that some acquaintance with the elementary principles of algebra, on the part of the reader, is assumed; also a knowledge of the slide rule.

PUBLICATIONS RECEIVED

Report of the Director of Forestry for 1917.—Issued by Forestry Branch, Department of the Interior, Canada.

Concrete Pressure Pipe.—Brochure issued by the Portland Cement Association, Chicago. Sent upon request.

Crouch Steel.—A sixteen-page brochure published by W. J. Crouch Company, Incorporated, 253 Broadway, New York City.

Wheeler Centrifugal Pumps.—Bulletin 108-B. Illustrated catalogue issued by the Wheeler Condenser and Engineering Company, Carteret, New Jersey.

The Levin Oxygen and Hydrogen Generator.—Bulletin G, issued by the Electrolytic Oxy-Hydrogen Laboratories, Inc., 15 William Street, New York, N.Y.

A Study of the Heat Transmission of Building Materials.—By A. C. Willard and L. C. Lichty. Bulletin No. 102, Engineering Experiment Station, University of Illinois, Urbana, Ill. Price, 25 cents.

More and Better Water for Our Farms.—Report of a conference called by the Lethbridge Board of Trade at Lethbridge, Alberta, on June 22nd, 1917. Issued by the Commission of Conservation, Ottawa, Ont.

The Storage of Bituminous Coal.—By H. H. Stoek, professor of mining engineering, University of Illinois. Published by the Engineering Experiment Station, University of Illinois, Urbana, Ill. Price, 40 cents.

Transactions of the Institute of Marine Engineers.—Containing a paper on "Aids to Prevent a Ship from Sinking," by Charles V. A. Eley, and discussion on same. Published by the Institute, The Minories, Tower Hill, London, Eng.

Canadian Douglas Fir—Its mechanical and physical properties. Prepared under the direction of J. S. Bates, Chem.E., Ph.D., superintendent of Forest Products Laboratories of Canada, by R. W. Sterns, B.Sc., chief of Division of Timber Tests. Bulletin No. 60, Forestry Branch, Department of Interior, Canada.

Report of Annual Meeting of Ohio Engineering Society.—Containing papers on "Brick Pavement Construction in Cleveland," by F. R. Williams; "Road Maintenance and Repair," by A. H. Hinkle, State Highway Department; and "Industrial Housing and Town Planning," by Morris Knowles and Geo. W. Case. Secretary-treasurer of the society, John Laylin, Norwalk, Ohio.

Poor's Manual of Industrials for 1918 has just been issued. The general information is revised to April 18th. It contains the latest income accounts and balance sheets of all industrial companies in which there is a public interest. These are in most cases presented in a comparative form, showing at a glance the growth of the business. This is the first book issued that gives complete information regarding the present United States income tax on industrial securities. It states whether the companies assume a 4% tax or only a 2% tax or no tax at all. The book is invaluable to those who are interested in industrial securities. Published by Poor's Manual Co., 80 Lafayette Street, New York. Price, $10 a copy.

ENGINEERING INSTITUTE AT HAMILTON

WHILE attending the first general professional meeting of the Engineering Institute of Canada, which was held in Toronto a couple of months ago, Secretary Keith, of the institute, held a conference with a number of members from Hamilton, including E. R. Gray, the city engineer, regarding the possible establishment of a Hamilton branch of the institute. Mr. Gray undertook to discuss the subject with the other members in Hamilton and to find out whether it would be advisable to attempt the organization of a branch in that city. Meanwhile Mr. Keith brought the matter to the attention of the council of the institute, who endorsed the proposal. As a result it has been arranged for the secretary to go to Hamilton during the week of June 9th, in order to meet the members resident in that city, and to perfect the details of the organization.

CAN. SOC. C.E. ELECTIONS AND TRANSFERS

(Continued from page 490)

spection Co., Toronto Suburban Railway, C.N.R., Ottawa Capreol Line, etc.; 1915-16, assistant to Jas. S. Galletley, D.L.S., on government settlement lot survey in Manitoba; 1916 to the present time as coke plant engineer, Algoma Steel Corporation on extension and rebuilding of the plant.

STANSFIELD, EDGAR, of Ottawa, Ont., elected a member. Mr. Stansfield was born at Bradford, Yorkshire, England, in 1878, and received the degree of B.Sc. in 1910, and M.Sc. in 1903. Since 1907 to the present time he has been in charge of the fuel-testing chemical laboratories of the Department of Mines, Ottawa.

WARREN, WILLIAM ROBERT, of Regina, Sask., elected an associate member. Mr. Warren was born at Taunton, Eng., in 1876. In 1908 he was engineer in charge of the telephone system in the province of Saskatchewan, and since 1912 chief engineer, department of telephones in that province.

WRIGHT, WILLIAM GORDON, of Ottawa, Ont., elected a junior member. Mr. Wright was born at Montreal, Que., in 1891. He received a first class certificate in mechanical drawing at Kent, Eng., and is at the present time assistant to consulting naval engineer, department of naval service, Ottawa.