

REFERENCES

for MATHEMATICS 15 and 25

Marshall Bye

Dr. J.S.T. Hrabi, director of curriculum in the Province of Alberta, has requested that this bibliography by Marshall Bye, supervisor of secondary mathematics, Calgary School Board, be included in this issue of the *Newsletter*. Both Dr. Hrabi and Mr. Bye have been members of the MCATA Executive Committee.

Subsequent to the publication of the Curriculum Guide for Mathematics 15 and 25, the following teacher references have been reviewed. These references are highly recommended; they contain otherwise unavailable suggestions and approaches to topics suitable to the Mathematics 15 and 25 program.

S.M.S.G. (School Mathematics Study Group), *Mathematics and Living Things*, revised edition. McGill University Press, Montreal, 1965; 221 pp.

Contains many laboratory exercises in mathematics relating to the "Life Sciences". Especially appropriate for use with students interested in Biology.

A.J. Moakes and others, *Pattern and Power of Mathematics*, Bks. 1,2,3,4. Macmillan Co. of Canada Ltd., Toronto, 1967.

A set of books of about 220 pages, each printed in England. Contains many interesting diversions relating to basic mathematics.

_____, *School Mathematics Project*, Bks. 1,2,3. Macmillan of Canada, Toronto, 1965.

Part of a set of books published in England with a distinctly different approach to mathematics. Contains many excellent activities for the mathematics class.

Available from the Queen's Printer, Ottawa is *Consumer Calculator* for 50¢. This calculator might motivate a series of classes relating to purchasing and to the use of fractions especially with a class of girls.

Curriculum News

At the third meeting of the Secondary School Curriculum Board, held on June 5 and 6, 1969, experimental mathematics classes using the materials indicated were approved as follows:

1. For Grades VII-VIII
Developing Mathematical Ideas, Books 1 and 2, by Sobel et al (Ginn and Co.)

Modern School Mathematics Structure and Method, Grades VII and VIII, by Dolciani et al (Thomas Nelson & Sons)

2. For Grade VII
Mathematics, Concepts, and Applications, by Van Engen et al (W.J. Gage & Co.)
3. For Grade VIII
The second item above if available.
4. For Mathematics 10 and 20 (Geometry)
Geometry - A Modern Approach, by Wilcox (Addison-Wesley)

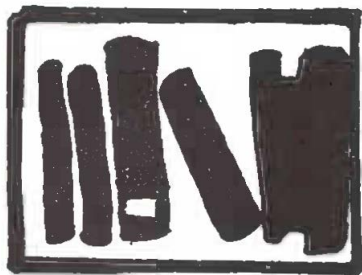
Modern Geometry, by Nichols et al (Holt, Rinehart and Winston)
5. For Mathematics 10 and 20 (Algebra)
Modern Intermediate Algebra, by Nichols et al (Holt, Rinehart and Winston)

Modern Algebra and Trigonometry, by Dolciani et al (Thomas Nelson & Sons)
6. For Mathematics 30
Functions, Relations, Transformations, by Elliot et al (Holt, Rinehart and Winston)

Algebraic Structures and Probability, by Elliot et al (Holt, Rinehart and Winston)

Mathematics 10 was revised effective September, 1969, by deleting Reviews A and B and by adding Chapter VI (Relations) and Chapter VII (Systems of Linear Equations).

Mathematics 20 was revised effective September, 1969, by adding Chapter XII (Sections 12.1 to 12.12 only).



Book Review

Modern Trigonometry, by Eugene D. Nichols and F. Henry Garland. Holt, Rinehart and Winston of Canada Limited. 833 Oxford Street, Toronto 18, Ontario, 1968. viii and 328 pages. \$6.15 (Canadian)

The book contains 10 chapters, three appendices, tables and an index. The first chapter introduces the inevitable notation of sets, inequalities and