Mathematics Curriculum News

▶The following series are being tried on an experimental basis in various schools at the junior high school level:

> *Developing Mathematical Ideas*, Books 1 and 2, by Sobel et al (Ginn and Company)

> *Modern School Mathematics*, Books 1 and 2, by Dolciani et al (Thomas Nelson and Sons)

> *Mathematics, Concepts and Applications*, Books 1 and 2, by Van Engen et al (Gage and Company)

▶The new pattern of Mathematics 13, 23 and 33 which is designed to replace Mathematics 12, 22 and 32 has the following objectives:

1. to assist the student in the learning process by developing mathematical concepts through an inductive approach;
2. to use applications from various areas such as mensuration, science, and the real world, for the purpose of reinforcing concepts;
3. to develop powers of analyzing problems and presenting solutions in a clear manner;
4. to develop and maintain an understanding of the operations and concepts of mathematics by using an essential core supplemented by exploratory topics;
5. to develop and maintain skill in mathematical operations by these means.

▶The Secondary School Curriculum Board approved the offering of Mathematics 13 and Mathematics 23, effective September, 1970, and recommended the following texts:

> *Mathematics 13*, by Dean and Graham (Holt, Rinehart and Co. 1969)

> *Mathematics 23*, by Dean and Graham (Holt, Rinehart and Co. 1969)

▶A proposed change in the Mathematics 10 and 20 courses with an indication of multiple authorization of new texts was tabled until the spring meeting of the Board.

►The Board approved a plan for phasing out the following courses and texts:

Mathematics 12: *Mathematics in Practice* (Brown, Bridge and Morrison, revised edition) at the end of the 1970-71 school year

Mathematics 22: *Senior Technical Mathematics* (Heywood) at the end of the 1971-72 school year

Mathematics 11: *Canadian Business Mathematics*, Book 1, at the end of the 1969-70 school year

Mathematics 21: *Canadian Business Mathematics*, Book 2, at the end of the 1970-71 school year.

MCATA Speakers' List

Revised for 1969-70 by M.R. Falk and Professor A.S.B. Holland

The purpose of this list is to provide a source of available speakers classified according to general and specific topics as well as a recommended type of audience. Interested groups should contact the speaker directly, and all details of arrangements should be planned to the mutual satisfaction of the speaker and the group.

Many outstanding talents backed up by years of study and experience are represented on this list. We hope that it will be put to good and frequent use.

Aggarwala, B.D., Department of Mathematics, The University of Calgary, Calgary. Topics in applied mathematics - for example "What is Applied Mathematics?" Senior high school students and/or teachers.

Anderson, Ruby, teacher and consultant in mathematics, Vincent Massey Junior High School, Calgary. Topics in junior high school mathematics. Junior high school teachers.

Amour, Carol, Senior High Mathematics Curriculum Committee, Ernest Manning High School, Calgary. Vice-President of MCATA, 1969-70. Topics in senior high school mathematics curriculum and instruction. Senior high school teachers.

Atkinson, Tom, Faculty of Education, University of Alberta, Edmonton. "Number Systems", "Problem Solving". Secondary school teachers.

Baecker, Harry D., Department of Mathematics, The University of Calgary. Computer programming, compilers, data banks, computers and high school curricula.

Beaton, Mary, Faculty of Education, The University of Calgary, Calgary. Topics in mathematics curriculum and instruction. Elementary school teachers.