THE ALBERTA TEACHERS' ASSOCIATION

MATHEMATICS COUNCIL

NEWSLETTER

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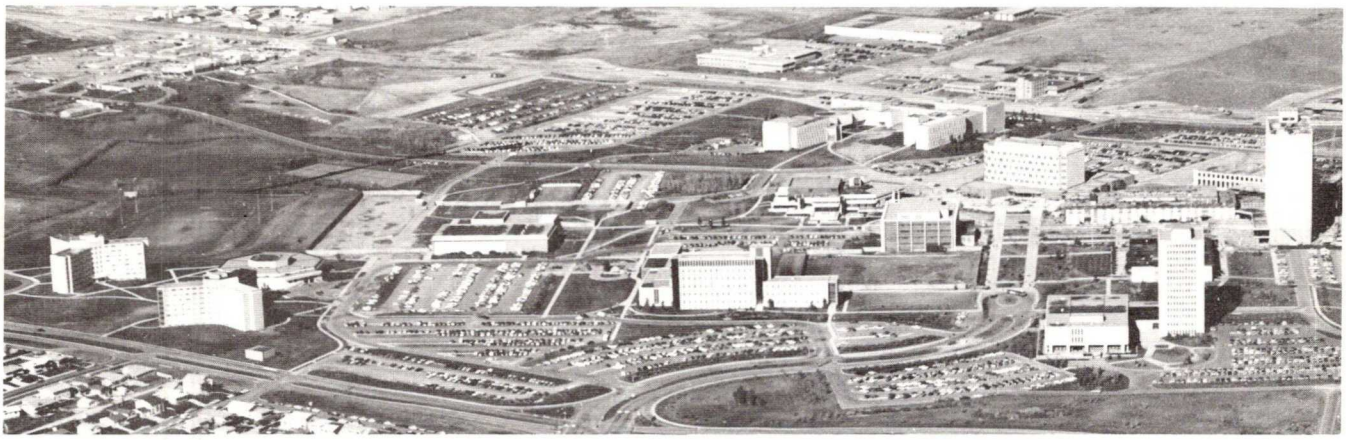

New Mathematics Curriculum at the University of Calgary

Reported by A.S.B. Holland
University of Calgary
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Since the Faculty of Arts and Science at The University of Calgary is to establish four-year Bachelor of Arts and Bachelor of Science degrees to commence September, 1970, the Department of Mathematics has revised its first-year courses accordingly. First-year mathematics courses now listed in the calendar of The University of Calgary will be withdrawn at the end of the Summer Session, 1970. The following courses have been deleted.

in this issue

Newsletter Editor: Mary Beaton
Faculty of Education, University of Calgary

Computing Science 252 (1/2), 253 (1/2), 254 (1/2), 255 (1/2)
Mathematics 111 (1/2), 212 (1/2,) 211, 213 (1/2), 219, 239, 285, 287

New first-year courses are the following:

PMAT 101 Selected Topics in Mathematics I (3-0; 0-0)
PMAT 103 Selected Topics in Mathematics II (0-0; 3-0)
PMAT 201 Calculus (3-IT); and (0-0; 3IT)
PMAT 203 Algebra and Geometry (3-IT; 0-0) and (0-0; 3-IT)
PMAT 211 Sets and Mappings (3-IT; 0-0)
PMAT 231 Living Mathematics (0-0; 3-0)
PMAT 211 Vector Methods (3-IT; 0-0) and (0-0; 3-IT)
AMAT 203 Mathematics and the Real World (3-IT; 0-0) and (0-0; 3-IT)
STAT 201 Elements of Finite Probability (3-IT; 0-0) and (0-0; 3-IT)
STAT 211 Facts from Figures (3-3; 0-0) and (0-0; 3-3)
CPSC 201 Introduction to Computer Programming (3-2; 0-0) and (0-0; 3-2)
CPSC 203 Elementary Programming for Business (3-2; 0-0)
CPSC 205 Elementary Programming for the Social Sciences (0-0; 3-2)
CPSC 207 Elementary Programming for the Natural Sciences (3-2; 0-0)
CPSC 209 Elementary Programming for the Humanities (0-0; 3-2)
CPSC 221 Elements of Computing Equipment (3-2; 0-0) and (0-0; 3-2)
CPSC 223 Introduction to Data Processing Equipment (0-0; 3-2)

Any enquiries concerning the nature or the details of the new first-year mathematics curriculum should be directed to the Department of Mathematics - The University of Calgary. Questions in particular should be directed to Dr. Schaer (telephone 284-5202). Further changes which will be promulgated from year to year will be advertised in the subsequent calendars of The University of Calgary.

EUCLID MUST GO!

Marshall P. Bye
Mr. Bye is Supervisor of Mathematics for the Calgary public secondary schools

Euclid must go! Surely anyone who utters such sentiments must be sacrilegious. Yet these are the words of the outstanding mathematician Professor J. Dieudonné in his address to the Organization of European Economic Council in France in 1959.[1] Why did he make the statement? Perhaps I can bring some light to this.

We read so much today about what should and should not be included in the school curriculum that, I am sure, we all wonder just what mathematics will become in another decade. One such indicator is the *Report of the Commission on Mathematics of the College Entrance Examination Board*[2], published in 1959. The very bold programs set forth in that document (very bold for its day) are being realized in varying degrees around the world today - just 10 years later. A number of topics and concepts listed have yet to be included in the Alberta curriculum, but we are surprisingly close to the programs outlined.