

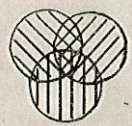


MATHEMATICS COUNCIL

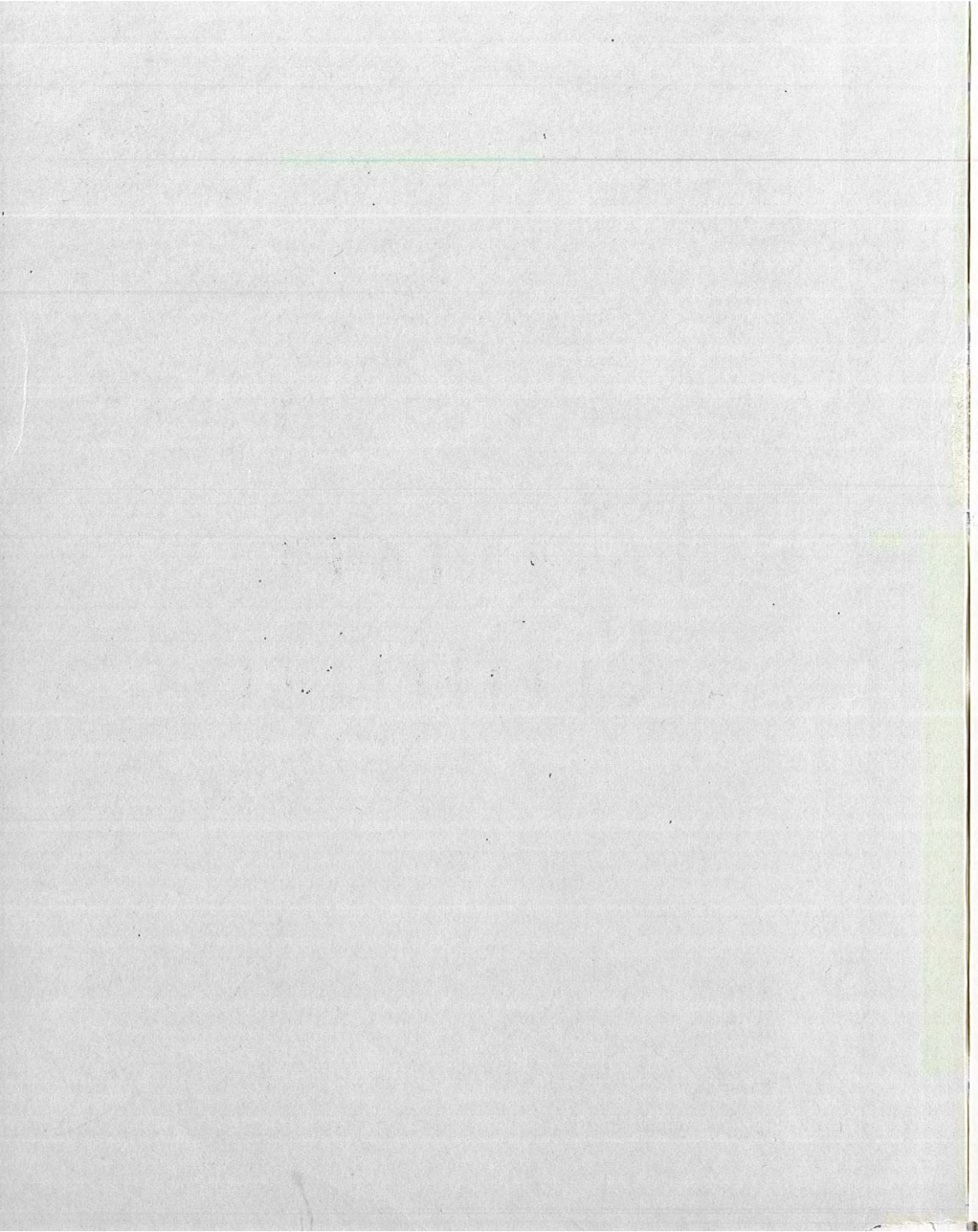
The
Alberta
Teachers'
Association

INAUGURAL CONFERENCE

August 16-19, 1961



Vol. 1, No. 1



P R E F A C E

The subject matter of this publication consists of some of the addresses and summaries of other addresses that were delivered at the inaugural conference of the Mathematics Council of The Alberta Teachers' Association, held August 16 - 19, 1961 at the University of Alberta in Edmonton and attended by a representation of mathematics teachers at all grade levels from various parts of the province.

An effort was made to include the addresses in their entirety wherever possible. The editor wishes to express his gratitude to those speakers who did not have their addresses in written form, but upon request took the time and trouble to submit summaries of the ideas they presented at the conference so that these could appear here.

The intention of this volume is to circulate more widely the ideas discussed at the conference. It is the hope of the executive committee that a volume such as this will become a yearly project. Newsletters published four times a year - January, April, June, and October - will keep the members of the council abreast of the latest developments.

- John Cherniwchan
Editor

EXECUTIVE COMMITTEE
MATHEMATICS COUNCIL

President

John Cherniwchan, 276 Evergreen Street, Sherwood Park

Vice-President

Eugene Wasylyk, Box 2, Thorhild

Secretary-Treasurer

Miss Olive Jagoe, 1431 - 26 Street S. W. , Calgary

Past President

T. F. Rieger, Picture Butte

Directors

T. Atkinson, 6551 - 112A Street, Edmonton

T. Fostvedt, Associate Professor of Mathematics,
University of Alberta, Edmonton

S. A. Lindstedt, Associate Professor of Education,
University of Alberta, Edmonton

Mrs. J. Martin, Box 277, Ponoka

F. Millican, 17 First Street S. E. , Medicine Hat

ATA Representative

M. T. Sillito, Barnett House, Edmonton

UNIVERSITY
OF ALBERTA LIBRARY

TABLE OF CONTENTS

	Page
Mathematics in Transition	
Fifty Years of Curriculum Reform in Mathematics	5
What Mathematics is of Most Worth	7
Implementing Curriculum Proposals	8
Dr. Julius H. Hlavaty	
Curriculum Changes in Elementary Mathematics	11
N. M. Purvis	
Adequate Preparation in Mathematics for Students Entering University	15
R. C. Jacka	
Teacher Preparation in Mathematics	16
W. F. Coulson	
Changes in High School Mathematics	19
L. W. Kunelius	
The Impact of Modern Mathematics on the Developing Program in High School Mathematics	
Pressures for Changes in the Mathematics Curriculum	29
Nature of the Changes in Secondary School Mathematics	32
Implications for Curriculum Planning	40
S. A. Lindstedt	
Bibliography	45
Films on Mathematics	48

