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ACMS 1983: Table of Contents

Association of Christians in the Mathematical Sciences

A FOURTH CONFERENCE
ON
MATHEMATICS FROM A
CHRISTIAN PERSPECTIVE

Edited by Robert L. Brabenec
Wheaton College

PROCEEDINGS OF THE CONFERENCE
HELD AT WHEATON COLLEGE
MAY 25-28, 1983

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PREFACE

From Wednesday evening until Saturday noon, May 25-28, 1983, 58 mathematicians attended the fourth conference on mathematics from a Christian perspective, held on the campus of Wheaton College. Our featured speaker was Dr. Willem Kuyk of the University of Antwerp in Belgium. It was a special event to meet our brother from Europe after reading his book Complementarity in Mathematics and discussing his ideas at previous conferences. We were happy to have nineteen first time delegates, and two of these presented papers.

In addition to the papers contained in these Proceedings, we had several fine sessions which could not be expressed in written form. John Van Iwaarden of Hope College presented a computer workshop on PASCAL, and Wally Roth of Taylor University led a panel discussion on issues in computer science as they relate to mathematics. On Thursday evening, we enjoyed two presentations on the works of Escher. Elliot Tanis of Hope College showed how he generated the works of Escher on an Apple Computer, and Vernard Eller of the University of La Verne gave a series of meditations on theological ideas suggested by Escher's work. Dwight Paine of Messiah College presented a 10 minute slide presentation on "Triangle Rhyme" that he had compiled.

In addition to the opportunities for fellowship in the dorm and dining hall, we opened each morning session with a devotion and concluded the conference with a praise service. A highlight of the whole conference was the opportunity to sing together. A served dinner on Friday evening with reflections by 3 delegates was enjoyed by most of the delegates and several wives.

At the business session of the conference, it was decided to hold the fifth conference on the campus of the King's College in Briarcliff Manor, New York from May 29 until June 1, 1985. Dr. Bay Baylis of King's College will be organizing the conference and its program. The area of computer science will receive special emphasis at this conference, and we hope that a number of mathematicians on the east coast will be able to attend this conference. In addition, it was decided to move towards a formal structure for this organization, and a steering committee was appointed to carry out the planning details. The members of this committee are Robert Brabenec, Gene Chase, Charles Hampton, Richard Laatsch and Paul Zwier. The committee met at the mathematics convention in Louisville in January 1984 and made considerable progress. A formal organization should be in place by the time of the 1985 conference. Specific details will be sent to those on the mailing list.

In addition, there was a dinner in Louisville attended by 24 Christian mathematicians. Eleven of these experienced their first contact with out organization at this time, and we had an excellent time of fellowship together. This practice will be continued at future annual meetings.

The Bibliography of Christianity and Mathematics and the Directory of Names were not included in this Proceedings because they are now available in a separate format. The 69 page Bibliography is available for a cost of \$2.00 by writing to Calvin Jongsma at Dordt College. We all extend our appreciation

to Cal and to Gene Chase of Messiah College for the excellent job that they did on this project. The Directory is now being compiled and will be available for distribution later in 1984.

Any questions about the conference, the Proceedings or this organization may be sent to the address listed below.

Dr. Robert Brabenec
Department of Mathematics
Wheaton College
Wheaton, Illinois 60187
1-312-260-5151