

Clark College, Dubuque, April 10, 1976

MATHEMATICS

(Iowa Section of the Mathematical Association of America)

Section Chairman: L. A. Hart; Program Chairman: J. L. Cornette

8:30 a.m. - 11:00 a.m.

Room 106 (Alumnae Lecture Hall)

- 8:30 a.m. 1. A comparison theorem for Green's functions.
MARVIN C. PAPENFUSS, Dubuque.
- 8:50 a.m. 2. A finite Stone-Weierstrass Theorem. S. E.
MOSIMAN, Dubuque.
- 9:10 a.m. 3. Continuity of a two-variable rational function
at the origin. GEORGE BRIDGMAN, Waverly.
- 9:30 a.m. Coffee - discussion break.
- 9:50 a.m. 4. Modularization of pre-calculus courses. B. E.
GILLAM, Des Moines.
- 10:10 a.m. 5. Geometry before Euclid. J. MATHEWS, Ames.
- 10:30 a.m. Business session and Governor's report.

11:15 a.m. - 12:15 p.m.

Room 106 (" " ")

11:15 a.m. PHYSICAL SCIENCES INTEREST DIVISION JOINT SESSION
Invited Address: "Relationship Between the Applica-
tions of Mathematics and Teaching of Mathematics."
Dr. H. O. POLLAK, President, Mathematical Association
of America, Director, Mathematics and Statistics
Research Center, Bell Laboratories, Murray Hill,
New Jersey.

1:30 p.m. - 2:10 p.m.

Room 106 (" " ")

- 1:30 p.m. 6. Mixed method numerical solutions of the
advection equation. JOHN M. LEONE, JR.* and
DOUGLAS N. YARGER, Ames.
- 1:50 p.m. 7. Error analysis for Picard-Chebyshev iterations.
DENNIS R. STEELE, Lamoni.

2:15 p.m. - 3:45 p.m.

Room 106 (" " ")

2:15 p.m. PHYSICAL SCIENCES INTEREST DIVISION JOINT SESSION

Symposium: "What Does Industry Want From Physical Science Graduates?" D. C. JOHNSON, Iowa State University, Ames. S. C. GRANT, Iowa Geological Survey, Iowa City. W. J. JAMESON, JR., Spectra Associates, Cedar Rapids. E. L. WOLF, Iowa State University, Ames.