MATHEMATICS

(Iowa Section of the Mathematical Association of America)

Section Chairman: D. H. Pilgrim
Program Chairman: L. A. Hart

Saturday, 8:40 A.M. - 11:45 A.M.

8:40 a.m.   1. Patterns in problem solving: a report
             on an NSF/AAAS Chautauqua-type short
             course. JOSEPH SCHAEFER, Dubuque

9:00 a.m.   2. Elementary proofs of PHRAGMEN-BROUWER
             and related topological properties in
             euclidean spaces. DON SANDERSON, Ames

9:20 a.m.   3. Unknotting knots and links in S^3 by
             maps. HOWARD LAMBERT, Iowa City

9:40 a.m.   4. How can articulation between two year
             and four year colleges be improved?
             MERLIN FISCHER, Fort Dodge

10:00 a.m.   Coffee-discussion break

10:20 a.m.   5. Boundary value problems and functions of
             matrices. WALTER WILL, Decorah

10:40 a.m.   6. INVITED LECTURE: Problems in the mathematics
             curriculum and student placement. BETTY
             HINMAN, Houston, Texas

Saturday, 2:30 P.M. - 4:45 P.M.

2:30 p.m.   7. The bicentennial puzzle, D. GREENWELL, Ames

2:50 p.m.   8. Historical development as a guide to
             mathematics education. JAMES L. CORNETTE, Ames

3:10 p.m.   9. INVITED LECTURE: Optimal strategies for red-
             and-black casinos. STUART KLUGMAN, Iowa City

4:00 p.m.   Governor's report. ELSIE MULLER, Sioux City

4:15 p.m.   Business session