

Friday, April 21, 1978

Mathematics

(Iowa Section of the Mathematical Association of America)

Section Chairperson: Mrs. Ellen Oliver; Program Chairperson: Donald V. Meyer.

1:00 p.m. - 4:20 p.m.

- 1:00 p.m. 1. Nonstandard models for arithmetic and analysis. Alexander Abian, Ames.
- 2:00 p.m. 2. Choice and chance in the history of elliptic integrals. Bille C. Carlson, Ames.
- 2:50 p.m. Break
- 3:10 p.m. 3. Two box-filling problems. William H. Cutler, Waverly.
- 3:35 p.m. 4. Triple systems arising from associative rings. Hye Chul Myung, Cedar Falls.
- 4:00 p.m. 5. Governor's report. J. L. Cornette, Ames.

Saturday, April 22, 1978

Mathematics

(Iowa Section of the Mathematical Association of America)

Section Chairperson: Mrs. Ellen Oliver; Program Chairperson: Donald V. Meyer.

8:20 a.m. - 12:30 p.m.

- 8:20 a.m. 1. Typesetting mathematics on a computer. Michael Folk, Des Moines.
- 8:50 a.m. 2. Recommendations for the preparation of high school students for college mathematics courses. A panel discussion led by John C. Friedell, Dubuque.
- 9:40 a.m. Break
- 10:00 a.m. 3. Invited address: "The role of applications in pure mathematics." Dr. Dorothy Bernstein, President Elect of the Mathematical Association of America, Professor of Mathematics, Goucher College, Baltimore, Maryland.
- 11:00 a.m. 4. Examples for elementary group theory. Irvin R. Hentzel, Ames.
- 11:30 a.m. 5. Counting rectangles on a lattice: An illustration of mathematical induction. Bonnie H. Litwiller and David Duncan, Cedar Falls.
- 12:00 6. Announcements and Business Session.