

Saturday, April 24, 1971

9:30 - 11:00 A.M.

Room 450, Hennessy Hall

5. A primary mammoth site with associated fauna in Pottawattamie County, Iowa. LEO CARSON DAVIS, RALPH E. ESHELMAN, and JEAN C. PRIOR, Iowa City.
6. Groundwater flow patterns of the Ames Aquifer. R.R. VAN DER PLOEG, DON KIRKHAM, and L.V.A. SENDLEIN, Ames.
7. Shear strength and related characteristics of remoulded Iowa loess. RODNEY J. HUANG, RICHARD D. JOHNSON, and ROBERT A. LOHNES, Ames.
8. X-ray diffraction analysis of the Pennsylvanian clays of Mahaska County, Iowa. HAROLD DEAN ANDERSON, Columbia, Missouri.
9. New flexible crinoids from the Upper Devonian of north-central Iowa. HARRELL L. STRIMPLE and C.O. LEVORSON, Iowa City.

Mathematics

Chairman: T. Robertson

Friday, April 23, 1971

9:30 - 11:00 A.M.

Room 350, Hennessy Hall

1. Business meeting (election of officers for 1971-72).
2. Introducing mathematicians to some problems in robust estimation. ROBERT V. HOGG, University of Iowa.

Friday, 1:30 - 4:00 P.M.

3. Shapes of the future. VICTOR KLEE, University of Washington.
4. Panel discussion on accreditation and certification. WILLIAM WALTMAN, Wartburg College; MERLIN FISHER, Iowa Central Community College; MARIAN CORNWALL, Marshalltown Community College; E.W. HAMILTON, University of Northern Iowa.

Physics

Chairman: D. Robinson

Friday, April 23, 1971

2:00 - 4:00 P.M.

Room 125, St. Joseph Hall of Science

1. Space science on parade. HERMAN C. SCHEPLER, University of Dubuque.
2. Space travel to the moon and Kepler's dream. PAUL B. SELZ, Parsons College.
3. Physics in the gay nineties. GRANT O. GALE, Grinnell College.
4. How we see like human beings. PHILIP W. GRAY, University of Dubuque.
5. NMR line-shapes in lithium wires. TOM HEFLEY and RALPH ENGARDT, University of Northern Iowa.
6. Determination of the sputtering yield of CO on W. FRANK HUTCHINSON, DAVID W. BAUER and ALLEN L. MOEN, Central College.
7. Spectroscopic studies of 3,6,3'6' - tetramethoxy $\Delta^{9,9}$ bifuorene. ARTHUR SERIANZ and ROBERT E. BUCKLES, University of Iowa.

Saturday, April 24, 1971

8:30 - 11:00 A.M.

8. Behavioral objectives in college physics courses. SISTER MARY BRIANT RYDER, Clarke College.
9. Guided wave propagation with incomplete sets of normal modes. HERBERT H. SNYDER, Southern Illinois University.
10. Production of the crossed-field instability in a laboratory plasma. ROBERT E. KRIBEL, Drake University.

Election of Section Chairman for 1972.
11. Invited Address: Two-dimensional plasmas in a magnetic field. DAVID C. MONTGOMERY, University of Iowa.