

MIDWESTERN ASSOCIATION OF CHEMISTRY TEACHERS IN LIBERAL ARTS COLLEGES
Fifteenth Annual Meeting - Luther College - 1966

Friday, October 14 (CST)

10:30 AM. Executive Council Meeting and Luncheon
Riddershallen - Student Union

10:30-1:30 Registration - Main Lounge, Student Union

1:30 General Meeting - Oneota Room - Student Union

1:45 Lecture: "Quantum Chemistry in the Under-
graduate Curriculum," Dr. Peter Yankwich,
Professor of Chemistry, U. of Illinois,
Member of the AC3 Committee.

3:00 Coffee break - Cafeteria, Student Union

3:30-5:30 Discussion Groups and "Short Short-Courses."

5:00-6:30 Open House - Valders Hall of Science

5:30 Informal "get acquainted" gatherings organized
by areas of interest - Science Hall

6:30 P.M. Dinner - Oneota Room, Student Union

8:30 P.M. Address - "The Future of the Liberal Arts Colleges
in the Training of Chemists," Dr. Alfred
B. Garrett, Vice President for Research,
Ohio State University.
Large lecture room - Science Hall

The Union will be open after the evening program until 12:00 P.M.

Saturday, October 15

8:30 A.M. Lecture: "Chemistry in Non-Aqueous Systems -
New Perspectives," Dr. W.B. Schaap, Professor
of Chemistry, Indiana University.
Oneota Room - Student Union

9:30 Coffee Break - Cafeteria, Student Union

10:00 Discussion Groups and "Short Short-Courses"
continued. Discussion Group on Non-Aqueous
Systems will meet in place of the group on
Quantum Chemistry.

11:30-12:15 Business Meeting - Large Lecture Room -
Science Hall

12:30 Luncheon - Oneota Room.
New and old Council Members meet in Riddershallen

DISCUSSION GROUPS AND SHORT SHORT-COURSES: 1966 MACTLAC Meeting

"Short-Courses"

1. MASS SPECTROMETRY - The topic will be approached as a branch of organic chemistry, and developed to include techniques for studying underlying reactions, the chemistry of gaseous organic ions, and application to studies of molecular structure. No previous experience assumed.
Leader: Mr. Seymour Meyerson, American Oil Company
2. ELECTRON SPIN RESONANCE, SPECTROMETRY - The fundamentals of ESR will be presented: a description of experimental techniques, and applications to chemical problems.
Leader: Dr. Robert Coffman, Augsburg College.

Discussion Groups

- 3A. QUANTUM CHEMISTRY IN THE UNDER-GRADUATE CURRICULUM - An opportunity to discuss at length ideas and questions raised by Dr. Yankwich in his lecture. Meets Friday afternoon only.
Chairman: Dr. John Coutts, Lake Forest
Resource Person: Dr. Peter Yankwich
- 3B. CHEMISTRY IN NON-AQUEOUS SYSTEMS - An opportunity to discuss the paper presented by Dr. Schaap. Meets Saturday morning only.
Chairman: Dr. Walden Heino, Luther
Resource Person: Dr. Ward Schaap.
4. LABORATORY EXPERIMENTS IN FIRST YEAR CHEMISTRY - The discussion will focus on the particular pedagogical function of selected types of laboratory experiments.
Chairman: Dr. Earl Scott, Ripon.
5. INTERDISCIPLINARY STUDIES - Interdepartmental courses at the upper class level will be discussed.
Chairman: Dr. James Finholt, Carleton.
6. MODERN QUALITATIVE ORGANIC ANALYSIS - The traditional course will be critically examined in the light of recent developments in instrumentation.
Chairman: Dr. W.B. Martin, Lake Forest
Resource Persons: Dr. Addison Ault, Cornell; Dr. J.E. Rogers, Jr., Earlham
7. INTRODUCTORY CHEMISTRY COURSES FOR NON-MAJORS - A brief report on the AC₃ conference on Chemistry for the non-science major will be presented. Discussion will focus on "minimum needs".
Chairman: Dr. W.A. Nevill, Grinnell
Resource Person: Dr. Frank Green, Wheaton
8. LIBRARY HOLDINGS AND THEIR USE - The topics to be covered include library needs and the use of micro forms.
Chairman: Dr. Lee Harris, Knox
Resource Person: Dr. Allen Hanson, St. Olaf
9. RESEARCH GRANTS FOR THE SMALL COLLEGE - Representatives from the major foundations, both private and government, will be present: NSF, PRE, Research Corporation, Hill Family Foundation.
Chairman: Dr. Ray Wendland, Carroll.
10. THE ADVANCED ANALYTICAL COURSE - The recent article in Analytical Chemistry by Reilly, and the discussion at the recent ACS meeting in N.Y. will serve as points of departure. Chairman: Dr. John Marshall, St. Olaf.