

MIDWESTERN ASSOCIATION OF CHEMISTRY TEACHERS IN LIBERAL ARTS COLLEGES

Office of the Secretary Treasurer

Carroll College

Waukesha, Wisconsin

September 14, 1967

Dear MACTLAC Member:

The enclosed information concerns the annual meeting to be held October 13-14 at the University of Evansville in Evansville, Ind. The officers and Lowell Weller, as the host and program chairman, have tried to plan a varied and stimulating program. In addition to many interesting discussion groups, one "Short Short Course" has been scheduled for those who might like to get a more pedagogical approach than is usually attempted in a discussion group. In order to capitalize more fully on the experience of our visiting lecturers, we have scheduled them for discussion groups following the Friday afternoon and Saturday morning lectures. Members should plan on attending two different discussion groups. For those groups that meet Friday and Saturday, the Saturday discussion will be a repeat of the Friday's discussion.

The enclosed envelope allows for preregistration and payment of dues. We hope that all members will cooperate in this way as soon as plans are clear. Prepayment greatly simplifies the registration procedure when you arrive. If you are reluctant to enclose payment for fear of changing plans, please mail the filled-out envelope anyway, with indications of your probable plans no later than October 4. We expect a large attendance and last minute reservations will put an unnecessary strain on the college staff.

The current dues are \$1.00 and the registration fee is \$1.00. The registration fee is used to aid the host school in obtaining special speakers. The meal Friday evening will be \$2.50 and the Saturday luncheon will be \$1.50. Thus, full participation involves \$6.00 plus any back dues. You will be on your own for Saturday breakfast.

Information on transportation and housing is enclosed. Housing reservations should be made directly with the motel as soon as possible. Members may park in any parking areas shown on the map regardless of designation.

I look forward to seeing an enthusiastic attendance at the University of Evansville.

Sincerely yours,

Richard Bayer

Richard Bayer

RB:dlm

MIDWESTERN ASSOCIATION OF CHEMISTRY TEACHERS IN LIBERAL ARTS COLLEGES - 1967

Friday, Oct. 13

(CDT)

- 10:30 A.M. Executive Council Meeting and Lunch. Cafe A. Union Bldg.
10:30-1:30 Registration - Lobby, Union Bldg.
1:30 General Meeting-Room 126, Hyde Hall. Lecture: "Modern Teaching Aids" Dr. Wm. T. Lippincott, Prof. of Chem., Ohio State U. Chm. Teaching Aids Committee of AC₃
3:00 Coffee Break, Union Building
3:30-5:00 Discussion Groups and Short Course
5:00 Open House, Engineering-Science Bldg.
6:30 Dinner, Great Hall, Union Bldg.
7:30 Address: "Pharmaceutical Chemistry-Useful and Essential", Dr. Richard T. Arnold, Pres. Mead Johnson Research Center
8:30 Social Hour, Lounge and Lower Level, Union Bldg.

The Grill on the Lower Level of the Union Bldg. will be open Friday evening.

Saturday, Oct. 14

- 8:30 A.M. Lecture: "Isomerism-Inorganic and Organic", Dr. John C. Bailar, Jr., Prof. of Chem, U. of Illinois - Room 126, Hyde Hall
9:30 Coffee Break - Union Bldg.
10:00 Discussion Groups and Short Course
11:30-12:15 Business Meeting - Room 126 Hyde Hall
12:30 Luncheon-Cafeteria, Union Bldg. New and old Council members meet in Cafe A, Union Bldg.

Short Course: NMR Spectroscopy (Luther E. Erickson, Grinnell College)

Objectives: Recognizing that most MACTLAC professors have at least some previous exposure to n.m.r. spectroscopy, the course will make no attempt to provide an exhaustive introduction nor to explore the complexities of complete spectral analysis. The objectives rather are: (1) to provide, and to discuss an interesting set of spectra and related material that instructors might find useful in their courses (2) to describe some of the problems of maintaining n.m.r. equipment at a liberal arts college.

Description: (1) Brief review of principles of n.m.r. spectroscopy. (2) Proton spectra of organic compounds of increasing complexity: A₂ to AX, A₂X to ABC, etc. (3) Spectra of coordination compounds emphasizing magnetic nuclei other than protons (4) N.M.r. studies of rate process: chemical exchange, internal rotation, conformational changes, racemization and double resonance. (5) Problems of equipment maintenance.

Background Assumed: As indicated, some previous exposure to n.m.r. spectroscopy will be assumed, although the course will begin with a brief review. Any one of the following brief treatments should provide an adequate and appropriate introduction: (1) Morrison and Boyd, Organic Chemistry, 2nd ed., pp. 418-451. (2) R. M. Silverstein and G. C. Bassler, Spectrometric Identification of Organic Compounds, pp. 71-89. (3) F. A. Bovey, C & E News - Aug. 30, 1965 - pp. 98-121.

Discussion Groups and Short Course - 1967 MACTLAC Meeting

Short Course (See attached sheet)

Discussion Groups

- 2a. MODERN TEACHING AIDS - An opportunity to discuss ideas and questions raised by Dr. Lippincott in his lecture. Meets Friday afternoon only. Chairman: Dr. Edward L. Haenisch, Wabash College. Resource: Dr. Wm. T. Lippincott.
- 2b. ISOMERISM-INORGANIC AND ORGANIC - An opportunity to discuss ideas and questions arising from Dr. Bailar's lecture. Meets Sat. morning only. Chm. Dr. Gerald Feistel, St. Louis U. Resource: Dr. John C. Bailar, Jr.
3. CONTENT OF THE ADVANCED INORGANIC COURSE - The discussion will be directed, in part, by the interest of participants. Chm. Dr. James E. Finholt, Carleton College
4. SOME NEW EXPERIMENTS FOR THE ORGANIC CHEMISTRY LABORATORY - New experiments and new approaches to teaching organic laboratories. Chm. Dr. Howard W. Burkett, DePauw U. Resource: Dr. John W. McFarland, DePauw U.
5. RECENT TRENDS IN PHYSICAL CHEMISTRY LABORATORY EXPERIMENTS - Areas for discussion will include experimental work on structural methods such as IR, NMR and X-ray, effective use of the computer to reduce the computational efforts of students, and electronics instruction. Chm. Dr. Philip Kinsey, U. of Evansville. Resource: Dr. Duane T. Carr, Coe College.
6. ANALYTICAL INSTRUMENTATION - Discussion will include advantages and disadvantages of various instruments to aid those contemplating purchases, recently introduced instrument or instruments soon to come on the market and experiments for courses in instrumental methods of chemical analysis or related courses. Chm. Dr. Frank A. Guthrie, Rose Polytechnic Institute Resource: Dr. Donald L. McMaster, Indiana U.
7. CONTENT OF THE UNDERGRADUATE BIOCHEMISTRY COURSE - Discussion will center on present composition of undergraduate biochemistry courses and trends taking place throughout the U.S. Survey data from the American Chemical Society sub-committee on Biochemistry Examinations. Chm. Dr. William L. Leoschke, Valparaiso U.
8. NATURE AND CONTENT OF SENIOR SEMINAR AND SENIOR COMPREHENSIVES - The discussion will include topics and areas for seminars and comprehensives. Chm. Dr. Jack W. Powers, Ripon College.
9. USE OF PAPERBACKS AND PROGRAMMED MATERIALS IN GENERAL CHEMISTRY - The discussion on paperbacks and programmed materials will emphasize what is available. An exhibit of paperback texts from various publishers will be displayed. Meets Friday afternoon only. Chm. Dr. Wilmer J. Stratton, Earlham College.
10. FOUNDATION PROGRAMS FOR SUPPORT OF IMPROVEMENTS IN CHEMICAL EDUCATION - Representatives from several foundations will be present, NSF, PRF, HEW and Research Corp. Meets Friday afternoon only. Chm. Dr. Wendell W. Hess, Illinois Wesleyan U. Resource: Foundation Representatives.
11. ADVANTAGES AND PROBLEMS OF NEW ACADEMIC CALENDARS - Data from a MACTLAC questionnaire on new academic calendars will be presented. Representatives from MACTLAC colleges with various kinds of calendars will be present to answer questions. Meets Sat. morning only. Chm. Dr. Edward C. Fuller, Beloit College

Travel and Housing
(Evansville is on Central Daylight Time, CDT)

Automobile: Evansville is located in the extreme southwest corner of Indiana on the Ohio River and can be reached from routes 460, 41, and 57. (See city map enclosed)

Train: Passenger rail service to Evansville is not good. Chicago & Eastern Illinois Railroad (C&EI) has once-a-day round trip service between Chicago and Evansville. Louisville & Nashville (L&N) Railroad has some passenger service to Evansville. Please consult your local travel agent for details.

Plane: Airlines serving Evansville include Eastern, Delta and Lake Central.

Rental automobiles are available at the airport. The airport is located about two miles north of the city limits directly on route 41 (see city map enclosed). Taxi fare to motels on Hwy. 41, North (also called N. Fares Ave.) is about \$1.00 per person. Limousine service to downtown motels and hotels only is \$1.25 per person.

Housing: This list gives some selected accommodations available in Evansville. The group of motels located on Hwy. 41, North (also called North Fares Ave.) is nearer the University and the airport than the others listed.

<u>Hotel</u>	<u>Code</u>	<u>Address</u>	<u>Phone</u>	<u>Sing- le</u>	<u>Dou- ble</u>	<u>Twin Dbl.</u>	<u>3</u>	<u>No. Rooms</u>
McCurdy *	1-2	101 S.E. First St.	425-1041	7.50	9.00	12.50		300
<u>Motels</u>								
Arrowhead	1	2021 Hwy. 41, N.	423-4224	8.00	8.00	12.00	13.00	45
Donna Court	1-2	2416 Hwy. 41, N.	425-1558	9.00	10.00	11.00	12.00	34
Esquire	1-2	1817 Hwy. 41, N.	425-2634	7.50	8.50	10.00	12.50	26
Greer	1-2	1901 Hwy. 41, N.	424-7501	8.00	9.00	12.00	12.00	40
Holiday Inn	1-2	2508 Hwy. 41, N.	423-1186	8.50	11.00	13.50	14.50	97
Jackson House*	1-2	20 Walnut St.	423-7816	11.00	13.00	15.00		100
Kyler	1	1719 N. Fares Ave.	423-2155	7.00	8.00	9.00	10.00	11
Ramada Inn *	1-2	600 Walnut St.	425-4481	11.25	13.25	15.25		175
St. Mary's	2	2221 Hwy. 41, N.	424-2444	7.00	8.00	10.50	12.00	56
Schmidt's		920 N. Fares Ave.	425-9016	8.00	9.00	11.00	13.50	27
Skyway Court	1-2	4101 Hwy. 41, N.	425-1551	8.00	9.00	11.00	12.00	42
Sunset	1	1608 N. Fares Ave.	424-3566	7.00	8.00	10.00	11.00	10
Towne *	1	15 N.W. Riverside Dr	423-8071	9.00	10.00	12.00	13.00	50
Travelodge **	1-2	701 First Ave.	424-3886	8.00	10.00	12.00	14.00	60
Waltz	1	1015 N. Fares Ave.	425-4361	6.00	7.50	8.50	9.50	11

* Located downtown near the Ohio River end of Walnut Street

** Near North side

Code: 1.-Dining facilities 2.-Swimming facilities (The above prices are subject to change)

Problems in arranging housing or transportation should be referred to:
Dr. Richard Shores, Department of Chemistry, University of Evansville,
Evansville, Indiana Phone: 812-476-1341, Extension 64 or 65.