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1953

FOURTEENTH NATIONAL ORGANIC  
CHEMISTRY SYMPOSIUM  
of the  
AMERICAN CHEMICAL SOCIETY

AUSPICES OF THE DIVISION OF ORGANIC CHEMISTRY AND  
THE UNIVERSITY OF MICHIGAN SECTION

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*June 15-18, 1953*  
*Ann Arbor, Michigan*

THIRTEENTH NATIONAL ORGANIC  
CHEMISTRY SYMPOSIUM  
of the  
AMERICAN CHEMICAL SOCIETY



Headquarters and Meetings—Horace H. Rackham School of  
Graduate Studies, University of Michigan, Ann Arbor,  
Michigan.

Registration—Rackham Auditorium.

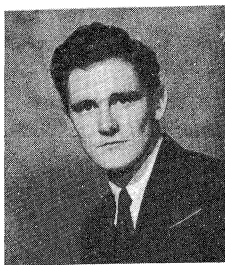
Monday, June 15, 8:00 a.m. to 8:00 p.m.

Tuesday, June 16, 8:00 a.m. to 8:00 p.m.

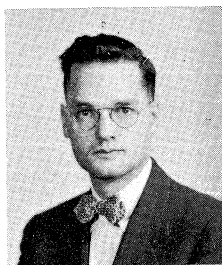
Wednesday, June 17, 8:00 a.m. to 4:00 p.m.

Thursday, June 18, 8:00 a.m. to 10:30 a.m.

# Speakers at the Thirteenth National Organic Chemistry Symposium



D. J. Cram



D. Y. Curtin



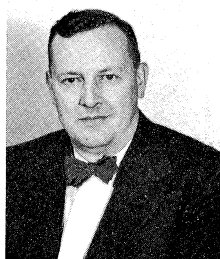
W. von E. Doering



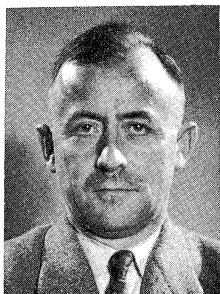
M. Gates



M. S. Newman



C. G. Niemann



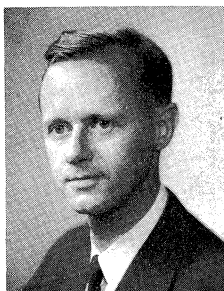
E. Schlittler



J. C. Sheehan



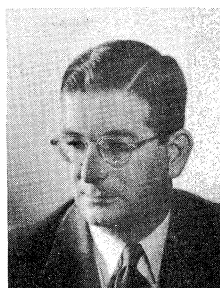
W. Shive



C. G. Swain



M. Tishler



R. B. Woodward

# Program

## Monday

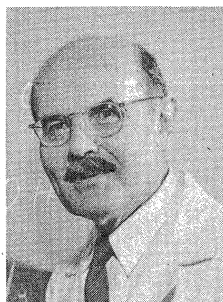
- 10:15 a.m. Welcome. HARLAN HATCHER, President, University of Michigan.  
Response. WALTER M. LAUER, Chairman, Division of Organic Chemistry, A.C.S.
- 10:30 a.m. 1. WILLIAM von E. DOERING, Yale University. The Chemistry of Tropolones and Related Substances.
- 11:30 a.m. Discussion of Paper 1.
- 2:00 p.m. 2. DONALD J. CRAM, University of California at Los Angeles. Studies of Asymmetric Induction in the Syntheses of Acyclic Systems.
- 3:00 p.m. Discussion of Paper 2.
- 8:00 p.m. 3. CARL G. NIEMANN, California Institute of Technology. The Scope and Mode of Action of  $\alpha$ -Chymotrypsin.
- 9:00 p.m. Discussion of Paper 3.

## Tuesday

- 9:00 a.m. 4. JOHN C. SHEEHAN, Massachusetts Institute of Technology. Synthetic Approaches to the Penicillin Structure.
- 10:00 a.m. Discussion of Paper 4.
- 10:30 a.m. 5. EMIL SCHLITTLER, Ciba Pharmaceutical Products. Rauwolfia Alkaloids.
- 11:30 a.m. Discussion of Paper 5.
- 2:00 p.m. 6. DAVID Y. CURTIN, University of Illinois. The Cis Effect.
- 3:00 p.m. Discussion of Paper 6.
- 8:00 p.m. 7. MAX TISHLER, Merck and Company, Inc. Selected Topics from Recent Developments in the Chemistry of Steroids.
- 9:00 p.m. Discussion of Paper 7.

### Wednesday

- 9:00 a.m. 8. MELVIN S. NEWMAN, Ohio State University. Some Aspects of the Chemistry of Acetylenes.
- 10:00 a.m. Discussion of Paper 8.
- 10:30 a.m. 9. MARSHALL GATES, University of Rochester. The Synthesis of Morphine.
- 11:30 a.m. Discussion of Paper 9.
- 2:00 p.m. 10. C. GARDNER SWAIN, Massachusetts Institute of Technology. Nucleophilicity and Electrophilicity.
- 3:00 p.m. Discussion of Paper 10.
- 6:00 p.m. SYMPOSIUM DINNER. Michigan Union. Introduction by WALTER M. LAUER, University of Minnesota.  
Guest Speaker—HERMANN O. L. FISCHER, University of California. Reminiscences of Chemistry on Two Continents.



H. O. L. FISCHER

### Thursday

- 9:00 a.m. 11. WILLIAM SHIVE, University of Texas. Growth Factors.
- 10:00 a.m. Discussion of Paper 11.
- 10:30 a.m. 12. ROBERT B. WOODWARD, Harvard University. Recent Advances in the Chemistry of Natural Products.
- 11:30 a.m. Discussion of Paper 12.

# Ann Arbor Committees



The University of Michigan Section of the American  
Chemical Society is acting as host section.

## Committees in Charge

Arrangements.....	Robert C. Elderfield
Housing.....	Peter A. S. Smith
Registration.....	Wyman R. Vaughan
Meeting Rooms.....	Christian S. Rondestvedt, Jr.
Publicity.....	Leigh C. Anderson
Recreation.....	Joseph O. Halford

## Division of Organic Chemistry

The plans and program of the Thirteenth National Organic Chemistry Symposium have been developed by the members of the Executive Committee of the Division of Organic Chemistry who have served during the past two years.

	1951-1952	1952-1953
<i>Chairman</i> .....	Robert C. Elderfield	Walter M. Lauer
<i>Chairman-elect</i> .....	Walter M. Lauer	Max Tishler
<i>Secretary</i> .....	Nelson J. Leonard	Nelson J. Leonard
	Marvin Carmack	Marvin Carmack
	Thomas P. Carney	Melvin S. Newman
	Carl R. Noller	Carl R. Noller
	John C. Sheehan	Frank H. Westheimer

## **An Invitation to Organic Chemists who are not members of the Division of Organic Chemistry**

The Executive Committee of the Division of Organic Chemistry extends to you a cordial invitation to become a regular member of the division.

Each of the divisions of the American Chemical Society serves a field of specialization and the Organic Division endeavors to serve organic chemists by furthering organic chemistry. To that end, it wishes to have associated with it as many organic chemists as possible.

The requirements for divisional membership are: (1) membership in the American Chemical Society, (2) active interest in organic chemistry, and (3) payment of annual dues of \$1.50. These dues are used to pay the expenses involved in the activities of the division which are:

1. Mailing of notices and forms for the presentation of papers at the Spring and Fall Meetings of the A.C.S.
2. Lithoprinting and distributing to members abstracts of the papers to be presented, in advance of the national meetings.
3. Arranging for National Symposia on organic chemistry. These are held every two years and the speakers and program are determined by the members of the Organic Division.
4. Establishing and promoting policies vital to the advancement of organic chemistry.

If you wish to become a regular member of the Organic Division, all that is necessary is to give or send your name, mail address, and \$1.50 to:

NELSON J. LEONARD, *Secretary*  
Organic Division, A.C.S.  
Department of Chemistry  
University of Illinois  
Urbana, Illinois

Extra copies of this Symposium Abstract Booklet can be obtained at \$1.00 each from the Secretary. Abstracts of the 12th Symposium, held at Denver, Colorado in June, 1951, are also available at the same price.