

# 32ND NATIONAL ORGANIC CHEMISTRY SYMPOSIUM

June 16-20, 1991

The University of Minnesota  
Minneapolis, Minnesota

*"demonstrate its  
wide scope  
and diversity"*

*Sponsored by*

THE DIVISION OF ORGANIC CHEMISTRY  
OF THE AMERICAN CHEMICAL SOCIETY

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# SYMPOSIUM PROGRAM

All events are scheduled to take place in Northrop Auditorium except as noted.

## Sunday

- 1:00 pm - 9:00 pm Registration in Coffman Great Hall  
8:30 pm - 12:00 am Opening Mixer and Poster Session A in Coffman Great Hall

## Monday morning

Presiding: **Frank B. Mallory**, *Symposium Executive Officer*

- 7:30 am - 12:00 pm Registration in Northrop Auditorium  
8:30 am - 8:50 am Opening Remarks  
8:50 am - 9:00 am Welcome by **Nils Hasselmo**, *President, University of Minnesota*  
9:00 am - 10:00 am **Paul A. Wender**  
*DNA Cleaving Agents: Synthetic, Mechanistic,  
and Computer Modeling Studies*  
10:00 am - 10:15 am Questions  
10:15 am - 10:45 am Break  
10:45 am - 11:45 am **Dennis A. Dougherty**  
*Spin Control in Organic Molecules and Materials:  
Toward an Organic Ferromagnet?*  
11:45 am - 12:00 pm Questions

## Monday evening

Presiding: **Paul G. Gassman**, *Local Committee Co-Chairman*

- 7:30 pm - 8:30 pm **Kendall N. Houk**  
*Theoretical Characterizations of Transition States  
of Organic Reactions*  
8:30 pm - 8:45 pm Questions  
8:45 pm - 9:45 pm **Philip E. Eaton**  
*Cubanes: Starting Materials for the 1990s  
and the New Century*  
9:45 pm - 10:00 pm Questions  
10:00 pm - 12:00 am Mixer and continuation of Poster Session A in Coffman Great Hall

## Tuesday morning

Presiding: **Thomas R. Hoye**, *Local Committee Co-Chairman*

- 9:00 am - 10:00 am **K. Barry Sharpless**  
*Recent Advances in Asymmetric Catalysis*  
10:00 am - 10:15 am Questions  
10:15 am - 10:45 am Break  
10:45 am - 11:45 am **Peter B. Dervan**  
*Sequence Specific Recognition of Double Helical DNA*  
11:45 am - 12:00 pm Questions

Tuesday evening

Presiding: **Joseph J. Gajewski**, *Organic Division Chairman*

7:30 pm - 8:45 pm

**Gilbert Stork**, Roger Adams Award Address:  
*Problems and Progress in Regio- and Stereocontrol:  
The Temporary Silicon Connection*

9:00 pm - 12:00 am

Mixer and Poster Session B in Coffman Great Hall

Wednesday morning

Presiding: **Frank B. Mallory**, *Symposium Executive Officer*

9:00 am - 10:00 am

**Dennis P. Curran**  
*Radical Reactions in Organic Synthesis*

10:00 am - 10:15 am

Questions

10:15 am - 10:45 am

Break

10:45 am - 11:45 am

**Jerrold Meinwald**  
*Organic Chemistry of Everyday Insect Life:  
Violence, Sex, and Drugs*

11:45 am - 12:00 pm

Questions

Wednesday evening

5:30 pm - 7:30 pm

Outdoor Feast on Northrop Mall

8:00 pm - 10:00 pm

**Dallas Brass** Concert

10:00 pm - 12:00 am

Mixer and continuation of Poster Session B in Coffman Great Hall

Thursday morning

Presiding: **William R. Roush**, *Organic Division Secretary-Treasurer*

9:00 am - 10:00 am

**Robert H. Grubbs**  
*Polymer Synthesis through Organometallic Intermediates*

10:00 am - 10:15 am

Questions

10:15 am - 10:45 am

Break

10:45 am - 11:45 am

**Dieter Seebach**  
*(R)-Polyhydroxybutyrate in the Hands of a  
Synthetic Organic Chemist*

11:45 am - 12:00 pm

Questions

12:00 pm

Closing Remarks

## 32ND NATIONAL ORGANIC CHEMISTRY SYMPOSIUM: ORGANIZATIONAL RESPONSIBILITIES

### *Overall management:*

Frank B. Mallory, *National Symposium Executive Officer*

### *Local arrangements:*

Paul G. Gassman, *Local Co-Chairman*

Thomas R. Hoye, *Local Co-Chairman*

Scott D. Rychnovsky, *Poster Sessions*

Lona Jean Turner, *Conference Services*

Debra A. Dykhuis, *Conference Services*

### *General oversight:*

#### ACS Division of Organic Chemistry:

	1990	1991
<i>Chairman</i>	Victor A. Snieckus	Joseph J. Gajewski
<i>Chairman-Elect</i>	Joseph J. Gajewski	James A. Marshall
<i>Past Chairman</i>	Pat N. Confalone	Victor A. Snieckus
<i>Secretary-Treasurer</i>	William R. Roush	William R. Roush
<i>National Program Chair</i>	Franklin A. Davis	Franklin A. Davis
<i>National Symposium Executive Officer</i>	Frank B. Mallory	Frank B. Mallory
<i>National Symposium Executive Officer-Elect</i>		Amos B. Smith, III
<i>Executive Committee</i>	Norman A. LeBel Kenner C. Rice Scott E. Denmark Kathlyn A. Parker Dennis P. Curran Dennis A. Dougherty	Scott E. Denmark Cynthia A. Maryanoff Dennis P. Curran Dennis A. Dougherty Dennis Liotta John S. Swenton
<i>Councilors</i>	Peter Beak John E. Baldwin Michael P. Doyle James D. White	John E. Baldwin Michael P. Doyle James D. White Kathlyn A. Parker
<i>Alternate Councilors</i>	Cynthia A. Maryanoff Peter J. Stang Daniel J. Pasto David M. Lemal	Daniel J. Pasto David M. Lemal Peter Beak Marye Anne Fox

## THE ROGER ADAMS AWARD IN ORGANIC CHEMISTRY

The Roger Adams Award in Organic Chemistry is sponsored jointly by the American Chemical Society, Organic Reactions, Inc., and Organic Syntheses, Inc. The award recognizes the distinguished career of Roger Adams, who played a vital role in each of these three organizations. He was Chairman of the Board of Directors as well as President of the American Chemical Society, and he co-founded *Organic Syntheses* and *Organic Reactions*.

The award is made biennially to an individual, without regard to nationality, for outstanding contributions to research in organic chemistry. The award consists of a gold medal, a sterling silver replica of the medal, and an honorarium of fifteen thousand dollars. It is presented at the biennial National Organic Chemistry Symposium of the Division of Organic Chemistry of the American Chemical Society. The awardee is a featured lecturer in the program of the Symposium.

The recipient of this year's Roger Adams Award is Professor Gilbert Stork of Columbia University. Professor Stork was cited "for fundamental contributions to the methodology of organic synthesis, and for elegance in the stereoselective syntheses of natural products." His award address entitled "*Problems and Progress in Regio- and Stereocontrol: The Temporary Silicon Connection*" will be delivered on Tuesday evening, June 18, 1991.



**GILBERT STORK**