



## CHEMICAL ENGINEERING DIVISION ACTIVITIES

The annual ASEE meeting will be held at Pennsylvania State University, University Park, Pa. on June 23 - 26, 1969. The ChE Program Chairman for the meeting is Dr. Kenneth B. Bischoff, University of Maryland, College Park, Md. 20742. The program follows:

### Monday, June 23

12:00 - 1.30 P.M. **Business Luncheon, Executive Session**  
Presiding: W. H. Corcoran

### Tuesday, June 24

10:00-11:45 A.M. **Annual Lectureship Award** (sponsored by the Minnesota Mining and Manufacturing Co.)  
Presiding: W. H. Corcoran  
Distinguished Lecturer: C. J. Pings, Cal. Tech  
Topic: "A Chemical Engineer Looks at the Physics of Simple Liquids"

12:00-1:30 P.M. **Annual Business Meeting/Luncheon**  
Presiding: W. H. Corcoran

1:45-5:30 P.M. **Panel Discussion**  
"Educational Directions for Problems of Society: Urban Affairs"  
Presiding: J. M. Marchello  
Co-Moderator: K. B. Bischoff  
Panelists: J. B. Coulter, R. A. Gaska, E. Lindvalt, J. O'Grady, C. D. Prater, J. R. Sheaffer

### Wednesday, June 25

8:00-11:45 A.M. **Conference and Panel Discussion** (Joint with Biomedical Engineering Committee)  
**Educational Directions for Problems of Society: Bioengineering**  
Presiding: R. L. Dedrick  
Speakers: R. L. Dedrick, Introduction; A. E. Humphrey, Biochemical Engineering: Applications of Single Cells—Food and Enzymes; D. I. C. Wang, Large-Scale Tissue Culture; E. S. K. Chian, G. Moore, R. P. de Filippi, Separation Processes in Bioengineering; K. B. Bischoff, Biomedical Engineering.  
Panel Discussion: Bischoff, Dedrick, de Filippi, Humphrey, Wang

10:00-11:45 P.M. **Panel Discussion** (Joint with Electrical and Industrial Engineering Divisions)  
**Interdisciplinary Foundations for Systems Engineering**  
Presiding: R. N. Lehrer  
Speakers: Systems Theory: Does It, or Will It, As it Develops, Provide a Common Basis for Interdisciplinary Developments in Systems Engineering?; Industrial Dynamics: What Does it Offer for Systems Engineering?; How Are Social and Human Aspects Integrated into Interdisciplinary Systems Engineering?; How Does Systems Analysis Integrate with Systems Engineering?

1:45-3:30 P.M. **Business Meeting/Department Heads**  
Presiding: E. B. Christiansen

1:45-3:30 P.M. **Conference** (Joint with Energy Conversion Committee)  
**New Energy Sources**  
Presiding: Manfred Altman  
Speakers: Howard Wilcox, Under-Water Power Sources; S. W. Gouse, Jr., New Externally Heated Engines; Donald Friedman, New Automotive Power Sources; J. B. Dicks, Large Scale Power Developments; Arvin Smith, New Developments in Space Power; Royal Rostenbach, Energy Conversion and Universities.

1:45-3:30 P.M. **Panel Discussion** (Joint with Electrical and Industrial Engineering Divisions)  
**Interdisciplinary Foundation for Systems Engineering**  
Presiding: R. N. Lehrer, Georgia Institute of Technology, continuation of 10:00-11:45 A.M. event.

6:30 P.M. **Annual Banquet**  
Presiding: W. H. Corcoran  
Speaker: R. E. Balzhiser, University of Michigan  
Topic: "A Technologist in Government"