



division of polymer chemistry, inc.
American Chemical Society
18th Biennial Meeting

Industrial Research in the 21st Century

November 24-27, 1996

Fess Parker's Red Lion Resort, Santa Barbara, California

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Acknowledgments:

The organizers express their sincere appreciation to Ms. Neta Byerly, Manager of the Business Office of the Division of Polymer Chemistry,[‡] for her conscientious efforts in support of this meeting.

[‡] It is with great sadness that we note the passing of Ms. Diane Morrill. Until her death, in May of this year, Diane was the Manager of the Business Office of the Division of Polymer Chemistry. She was dear friend and an inspiration to those of us who had the privilege of working with her.

Herman F. Mark Award Symposium

Sunday November 24th

2:00-5:00 PM

Session Chairs:

Lloyd M. Robeson and Carrington D. Smith • Air Products and Chemicals, Inc.

Speakers:

- 2:00 p.m. Lloyd M. Robeson • Air Products,
Group contribution Methodology Applied to Polymer Permeability and Permselectivity.
- 2:30 p.m. Garth Wilkes • Virginia Polytechnic Institute & State University,
High Performance Semi-Crystalline Polyimides - Structure, Crystallization and Thermal Stability Studies.
- 3:00 p.m. Joseph DeSimone • University of North Carolina @ Chapel Hill,
Synthesis and Processing of Polymeric Materials in CO₂.
- 3:30p.m. Alan N. Gent • University of Akron,
Adhesion to Rubber.
- 4:00 p.m. **Herman F. Mark Award Address,**
James E. McGrath • Virginia Polytechnic Institute & State University,
Engineered Materials: From Elastomers to Polymer Matrix Composites"
- 5:15 p.m. **Award Presentation and Reception**
Alan. D. English • Polymer Division Chairman

Tuesday, November 26th - Afternoon Session

1:30-4:45

Chemistry and Applications of Poly(ethylene naphthalate)

Session Chair: Hiroshi Aotani, • DuPont - Japan

- 1:30 p.m. Plenary Lecture:
Jerry D. Holmes • Eastman Chemical Co.,
Shaping an R&D Organization for the 21st Century
- 2:30 p.m. Mark E. Stewart • Eastman Chemical Co. *Applications and Properties of Naphthalene dicarboxylate-containing Blends and Copolymers.*
- 3:00 p.m. <Break>
- 3:15 p.m. William J. Brittain (University of Akron)
Synthesis of PEN by Ring-Opening Polymerization.
- 3:45 p.m. D. Callander • Shell *Choosing Between Naphthalate-Based Copolyesters and Blends for Containers*
- 4:15 p.m. Edward E. Paschke and Charles W. Bauer • Amoco
Recent Advances in Naphthalate-Based Polyesters

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