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letter

October 17, 1999

B. L. Farmer

Name Change and Bylaws Amendments

The Amendments to the Division's Bylaws passed by overwhelming majorities.

Name Change: In favor: 195
Opposed: 11

Electronic Balloting: In favor: 196
Opposed: 10

Executive Officer Reference: In favor: 201
Opposed: 5

These measures were previously approved by APS Council, and they go into effect immediately.

Welcome to the Division of Polymer Physics!

Call for Nominations: Executive Committee Elections

The Nominating Committee has proposed the following slate of candidates for positions on the DPOLY Executive Committee.

For Vice Chair: Ralph Colby, Pennsylvania State University
Mary Galvin, University of Delaware

For Member-at-Large: Rob Briber, University of Maryland
Paula Hammond, Massachusetts Institute of

Technology

Members of the Division are hereby invited to submit further nominations for these positions. As provided by the Bylaws, any candidate named by not less than 1% of Division members (currently, 11) shall be considered nominated. Nominations should be sent to the Secretary-Treasurer and must be received no later than **November 26, 1999**.

DEADLINES

| | |
|-------------------|---------------------------------|
| November 3 | Padden Award Nominations |
| November 26 | Executive Committee Nominations |
| December 3 | Abstracts for March Meeting |
| February 15, 2000 | Short Course Registration |
| April 1, 2000 | Papers for the Special Issue |
| April 15, 2000 | Fellowship Nominations |

2000 High Polymer Physics Prize and 2000 Dillon Medal Winners

and Engineering Company) will receive the 2000 High
by the Ford Motor Company. The citation will be:

For transforming the art of anionic polymerization into a powerful tool of polymer physics, creating and using polymers with precisely defined molecular architectures to advance our understanding of entanglement, miscibility, and microphase separation.

Wesley R. Burghardt (Northwestern University) will receive the 2000 Dillon Medal, sponsored by Elsevier Science Ltd., publisher of *Polymer*. The citation will be:

For important discoveries in the structure and flow properties of complex polymeric materials and pioneering experimental methods to study them.

The winners will be honored by special symposia at the March Meeting of the Division.

March 2000 Program

The next March Meeting will be held in Minneapolis, MN the week of March 20-24, 2000.

The DPOLY Program Chair is Sanat Kumar (Penn State, e-mail: kumar@plmsc.psu.edu). Focused symposia are being planned with the following themes: Polymers with Quenched Disorder; Thermoreversibly Associating Synthetic and Biopolymers; Filled Polymer Systems; Polymers Under Pressure; Crystallization - New Perspectives on an Old Problem; and Organic Electronic Materials and Devices (joint with DMP). Abstracts should be submitted via the web or e-mail according to the guidelines on the next page and available from the APS or DPOLY Home Pages. The deadline for abstracts is December 3, 1999. (Nominations and abstracts for the Padden Award and Symposium are due November 3, 1999.)

March Meeting ID: MAR00

4. Polymeric and Organic Materials

- 4.1 Structure and Morphology
- 4.2 Mechanical & Dynamical Properties
- 4.3 Electrical and Optical Properties
- 4.4 Surfaces, Interfaces and Thin Films
- 4.5 Phase Behavior
- 4.6 Solutions, Gels, Polyelectrolytes and Biopolymers
- 4.7 Synthesis and Preparation of New Polymer Composite Materials
- 4.8 Processing and Rheology
- 4.9 *Focused Sessions*
 - 4.9.1 *Polymers with Quenched Disorder*
 - 4.9.2 *Thermoreversibly Associating Synthetic and Biopolymers (DPOLY)*
 - 4.9.3 *Filled Polymer Systems (DPOLY)*
 - 4.9.4 *Polymers Under Pressure (DPOLY)*
 - 4.9.5 *Crystallization: New Perspectives on an Old Problem*

LY)

Organic Electronic Materials and Devices (DMP)

If you would be like to serve as a session chair at the March Meeting, please contact the DPOLY program chair. Your help is essential and appreciated!

Web Submission of Abstracts

APS members can now submit abstracts via the World Wide Web by pointing their browsers to <http://abstracts.aps.org>. Simply click "Prepare an Abstract," and when the next page appears, select a meeting by clicking the appropriate button to the left of the meeting. Specify the number of authors and collaborations or teams for your abstract, and click the "Create an Abstract for Me" button. We recommend that, prior to submitting abstracts, new users select the Test meeting and complete all steps in order to familiarize themselves with the process.

Call for Nominations: Frank J. Padden Jr. Award

The Frank J. Padden, Jr. Award, consisting of a certificate and appropriate recognition, recognizes a graduate student for "Excellence in Polymer Physics Research." To be considered for this award the student must be a member of the DPOLY, must be working toward the Ph.D. degree, must not have completed the requirements for the Ph.D. before November 3, 1999, and must submit the following:

- 1) an acceptable abstract for the DPOLY March Meeting (Note: Please submit by email and provide a paper copy for the award committee),
- 2) a 1 page C.V. (do NOT send papers or other attachments),
- 3) a letter from their thesis adviser addressing the quality of the graduate research and academic excellence.

Abstracts should be submitted by email to the APS by **November 3, 1999**. In the template space for Special Instructions, please insert "Padden Award Symposium". The abstract will be forwarded to the program chair for inclusion in the March meeting. A hard copy of the abstract, the C.V., and the adviser's letter should be sent directly to Scott Milner at the address on the letterhead of this newsletter. They must be received by November 3, 1999.

The Education Committee will select 5 finalists based on quality of the research, abstract, C.V., and the adviser's letter. On March 21, 2000 the Padden Award session will be held. Each of the 5 finalists will give a 12 minute (including time for questions) oral presentation. The session will be attended by the Education Committee, who will serve as judges, and by any other interested members of DPOLY or APS. The winner will be selected based on quality of the research, the presentation, and response to questions. The winner will be announced at the annual Business Meeting of the Division.

Short Course: Adhesion and Other Issues in Polymer Thin Films and Coatings

The DPOLY Short Course will be offered March 18-19, 2000 in Minneapolis.



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both academic and applied/industrial institutions. This course is designed for physicists, chemists, engineers, faculty, postdocs, and graduate students, from both academic and applied/industrial institutions, particularly working in or with a view towards entering research in polymers, biomaterials, surface chemistry, coatings, and adhesion.

Topics: Controlling interfacial adhesion; Macromolecular physics of biological surface interactions; Glass transition of thin films; Dewetting/coating of interfaces; Simulation methods and theory; Polymer-surface dynamics and interfacial rheology; and Instrumental methods for the study of polymer interfaces.

Course Description:

The science and engineering of polymer thin films and coatings are advancing rapidly. This subject is interesting for its own sake and has numerous applied/industrial applications in areas which range from coatings and adhesives, to composites, fillers, and tissue implants. This course will provide an overview of the most recent developments and will also address how these developments are being put to use in a variety of important applications.

Organizer:

Professor Steve Granick
Department of Materials Science and Engineering
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Confirmed Speakers (as of press date): Anna Balazs (University of Pittsburgh); Edward J. Kramer (University of California at Santa Barbara); Al Pocius (3M Corporation); Buddy Ratner (University of Washington); Thomas Russell (University of Massachusetts).

Registration Fees: \$400 (\$200 for students). To register for the short course, use the registration form in APS Meeting News or print the form from the meetings web site - www.aps.org/meet/MAR00.

Fellowship Nominations

Members of the Division are invited to submit nominations for Fellowship in the APS. A nomination form and a list of DPOLY members who are APS Fellows are available on the DHPP Home Page or from the Secretary-Treasurer. Full dossiers should be mailed to:

Executive Officer
American Physical Society



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One Physics Ellipse
College Park, MD 20749-3844

The deadline is **April 15, 2000**. The DPOLY Fellowship Committee will review nominees and forward its recommendations to the APS Council. The number of new Fellows is limited to one-half percent of the current membership.

Special Issue: Journal of Polymer Science, Polymer Physics Edition

A special issue of *Journal of Polymer Science, Polymer Physics Edition* will publish papers presented at the March Meeting of the Division. There are no page charges for the journal, and authors receive a copy of the issue as well as 50 reprints free of charge. All manuscripts will be peer reviewed. Those accepted for publication within a limited time after the March meeting will appear together in the December issue of the Journal.

Manuscripts submitted for the 2000 special issue are due by April 1, 2000 and should be sent to:

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