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Note from the Chair

Since 1994 increased recognition is being given to educational initiatives. DPP has some excellent ongoing programs in this area.

Our interactions with the National Science Foundation (NSF) have increased over the past year. After a meeting with R. Eisenstein in April we, the Chair, Chair-Elect and Past-Chair were encouraged because of the recognition plasma physics would again be given in NSF's Division of Physics. More plasma proposals are strongly encouraged.

I thank the many members of DPP who so generously and capably serve on our many committees. A very special thanks goes to R. Hazeltine and M. Sweeney, who are the other DPP officers, and to R. Gould, who is our Divisional Councillor. The election ballot in this issue will add an additional Divisional Councillor beginning January 1, 1996 because of an exerted effort among the Executive Committee to "beef" up membership. We are grateful for very important help from many APS people, including J. Franz, H. Lustig, B. Schwartz, M. Scanlan, M.P. Paris. Finally, it is an honor to serve as chair of such a vibrant and productive division. ☼

Annual DPP Elections

The Vice-Chair will be Chair of the Fellowship Committee in 1996, will succeed to the Chair-Elect of the DPP and will Chair of the Program Committee in 1997, and will then become the Chair of the DPP in 1998. In 1999, after serving as Chair, this person will assume the responsibility for the site-selection committee, which proposes the site for the annual meeting in the year 2004. The Chair of the DPP prepares the agenda and presides at the Executive Committee Meetings and Business Sessions of the Division, appoints other committees as necessary, transacts business with the American Physical Society headquarters, prepares three annual divisional newsletters, works with the local arrangements chair to implement the Annual Meeting, chooses the banquet speaker, and in various other ways furthers the interests of the DPP. One candidate for Vice-Chair must be selected.

The Secretary-Treasurer's term is for three years. Her duties include monitoring the Division's expenses and income, preparing the Minutes of the Executive Committee Meetings and Business Sessions of the Division, maintaining the records of the Division, participating in the site selection committee and interacting with the American Physical Society headquarters.

The Divisional Councillor serves a four-year term as the liaison between the Council of the American Physical Society and the DPP Executive Committee. Following each APS Council meeting, the Divisional Councillor reports to the Chair and the Secretary-Treasurer regarding APS Council actions that affect the status and operations of the DPP. Reports shall be made to the entire DPP Executive Committee during their regularly scheduled bi-annual meetings.

Executive Committee members serve for three years. They attend two Executive Committee meetings per year, where business of the DPP is transacted. They are also consulted by the Chair on important decisions affecting the Division. Executive Committee members are often asked to serve on ad hoc committees of the Executive Committee in order to accomplish the goals and satisfy the needs of the DPP. The Executive Committee consists of nine members. Three candidates must be selected for 1996.

The 1995 DPP Nominations Committee, chaired by Thomas Simonen, General Atomics, has recommended the following excellent slate of candidates for 1995:

Vice-Chair	Divisional Councillor	Executive Committee
Nathaniel Fisch (PPPL)	Herbert Berk (Texas)	Donald Batchelor (ORNL)
Martin Goldman (Colorado)	William Kruer (LLNL)	Michael Campbell (LLNL)
		C. Fred Driscoll (UCSD)
		Ronald Gilgenbach (Michigan)
		Glen Joyce (NRL)
		Barbara Shrauner (Wash. U.)
		Linda Vahala (ODU)
		Charles Verdon (LLE)

If elected, these individuals have agreed to serve the DPP in the roles indicated. Brief biographical data and statements of the candidates appear on the following pages. Also enclosed is a ballot (insert) which should be completed and returned to Saralyn Stewart in the preaddressed envelope (insert) provided. The deadline for receipt of ballots is **Friday, 29 September 1995**. Please use only the pre-addressed envelope to mail your ballot, write your name on the outside of the envelope, and enclose only one ballot

per envelope. Any variation in this procedure will invalidate your vote. One candidate each must be chosen for Vice-Chair, Secretary-Treasurer, and Divisional Councillor and three candidates must be chosen as Executive Committee members. ☪

Vice-Chair Candidates

Nathaniel Fisch

Martin Goldman



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Divisional Councillor Candidates

Herbert Berk

William Kruer



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Executive Committee Candidates

Donald Batchelor et al. ☪

Thirty-Seventh Annual Meeting Announcement

The Thirty-Seventh Annual Meeting of The American Physical Society (APS) Division of Plasma Physics (DPP) will be held in Louisville, Kentucky, 6-10 November 1995. The conference hotel is the Galt House Hotel, 140 North Fourth Street, Louisville, Kentucky 40202, 502/589-5200.

The scientific program will consist of nine half-day sessions of review, invited, and contributed presentations, and special evening sessions. Review papers will be given in daily plenary sessions; invited papers will be given each morning and afternoon in parallel with oral and poster sessions of contributed papers. Since the space designated for the poster sessions at the Galt House is tight, the **poster boards will be 4 feet by 8 feet**. Special evening sessions will be held Monday through Thursday. Additional session information will be published in the October issue of APS News.

This year 215 nominations were submitted for invited, review, and symposia talks. The program committee has selected review and invited presentations covering basic plasma physics, beams and accelerators, education and outreach, inertial confinement physics and laser-produced plasmas, magnetic confinement physics, tokamaks, plasma applications and plasma technology, radiation generation, space plasma physics and astrophysical plasmas, and other topics in plasma physics. Invited and review papers will be published in the Seventh Annual Special Issue of *Physics of Plasmas* (see enclosed rules).

Membership

On behalf of the DPP we strongly urge you to strengthen the physics community one member at a time by encouraging your colleagues to become a member of APS and DPP. You should have received a package of information in the mail recently, detailing the APS Member-Get-A-Member Campaign from 1 June 1995 to 31 December 1995. Membership applications and Price Books can be received by contacting the APS Membership Department, One Physics Ellipse, College Park, MD 20740-3844, Phone: 301/209-3280 or Fax: 301/209-0867 (or email: membership@aps.org).

Postdeadline Submission: Abstracts mailed after the contributed abstract deadline, **7 July 1995**, will be assigned to the postdeadline program. Postdeadline abstracts prepared after Friday, 7 July 1995 must be submitted on paper and brought to the Annual Meeting by the contributor. Postdeadline abstracts will be announced at the Annual Meeting by posting a copy of the abstract on a designated bulletin board.

Any questions regarding the preparation of postdeadline abstracts should be referred to:

Saralyn Stewart
The University of Texas at Austin
Institute for Fusion Studies
26th and Speedway—RLM 11.234
Austin, TX 78712

Phone: 512/471-4378; Fax: 512/471-6715
Email: stewart@hagar.ph.utexas.edu

Registration

Preregistration will offer substantial savings if the form enclosed is **received at APS by 5:00 p.m. (EST) on Friday, 13 October 1995**. Forms received after the deadline will be returned and attendees must register on site at the increased fee. Overseas preregistration fees are honored on site only if the APS has received the enclosed form by Friday, 13 October 1995. Overseas attendees do not mail payment with this form. Registration fees are higher this year in an effort to offset guest room rates.

Preregistration
APS Member—\$220 Nonmember—\$340 Retired/Unemployed Member—\$40 Graduate Student—\$40 Overseas Member—\$220 Overseas Nonmember—\$340 Banquet Ticket—\$25
On-Site Registration
APS Member—\$270 Nonmember—\$380 Retired/Unemployed Member—\$50 Graduate Student—\$50 Overseas Member—\$270 Overseas Nonmember—\$380 Banquet Ticket—\$25

Banquet

The conference banquet will be held Wednesday evening, November 8. Subsidized tickets can be purchased for \$25.00 on the Preregistration Form or on site. The DPP reserves the right to limit the number of subsidized tickets, and all sales are nonrefundable.

Tickets must be presented for admission at the door to the banquet room. A no-host cocktail reception will precede the banquet. The banquet program will include presentation of the James Clerk Maxwell Prize, the Award for Excellence in Plasma Physics Research, the Simon Ramo Award, the Nicholson Award for Humanitarian

Service, and the recognition of new Fellows. The guest speaker will be announced at a later date.

Business Meeting

The business meeting of the Division of Plasma Physics will be held in the Galt House Hotel at 17:15 Wednesday, 8 November 1995. New items of business will be considered in the following order: (1) Motions which have been written, together with any supporting arguments, must be received by the secretary-treasurer, Mary Ann Sweeney, Sandia National Laboratories, MS 1186, PO Box 5800, Albuquerque, NM 87185-1186, fax 505/845-7890 [or email: masween@sandia.gov], **by noon on Friday, 27 October 1995**, or at the registration desk at the Annual Meeting before noon on the first day of the meeting [Monday, 6 November 1995]. Copies of such material will be displayed on bulletin boards in the registration area in order to give members reasonable notice in case they wish to participate in the discussion and vote on such motions. (2) Motions which have been written out and submitted to the secretary-treasurer prior to the start of the business meeting. (3) Other new business, not included in (1) or (2).

Hotel Accommodations

Accommodations for the Annual Meeting will be at the Galt House Hotel. Reservations should be made through the Galt House by mailing the enclosed Housing Reservation Form. No telephone reservations will be accepted. If you are sharing a hotel room, send only one form. In order to obtain the attractive rates offered, \$65 single and \$75 double, the enclosed Housing Reservation Form must be received by **Friday, 13 October 1995**. Please include a major credit card or a check for one night's deposit, guaranteed room reservations are required. Do not mail the form to APS Headquarters. The Galt House is the conference hotel.

Conference Hotel:

Galt House Hotel

140 North Fourth Street
Louisville, Kentucky 40202
502/589-5200

Transportation

The Standiford Field Airport is located approximately five miles from downtown

Louisville. Special discounted airfares are available on Delta Airlines. Phone 800/241-6760 between 8:00 a.m. and 11:00 p.m. (EST) and refer to file number H1054. Ground transportation between Standiford Field and the Galt House is by taxi, departing from outside the baggage claim level 24 hours a day. Taxi service is \$13 one way per cab, and each taxi will carry up to four passengers. City bus transportation is \$1.00 one way. Parking for rental cars is available at no cost at the Galt House Hotel.

Satellite Meeting Rooms

Reservations for Satellite Meeting Rooms must be received by **Monday, 9 October 1995** by Tammany Buckwalter, Meetings Department, email: buckwalter@aps.org. Specify the name of your group, desired date, start and end time, estimated number of attendees, desired food service, audiovisual equipment (if required), on-site contact person, and the bill to name and address.

Audiovisual Equipment

All requests for audiovisual equipment, other than overhead projectors and 35mm slide projectors, must be received by Michael Scanlan, Meetings Department, scanlan@aps.org by **Friday, 29 September 1995**. Please note that there will be a fee for the rental of special equipment and the fee must be paid before the start of the requester's session. All checks must be made payable in U.S. dollars and drawn on a U.S. bank.



The Seventh Annual Special Issue of *Physics of Plasmas*

Rules for publishing an Invited or Review Paper

from the 1995 APS Division of Plasma Physics Annual Meeting

1. Purpose

Physics of Plasmas undertakes to publish all Invited and Review Papers from the Annual Meeting of the Division of Plasma Physics (DPP) of The American Physical Society (APS), subject to the rules listed below.



Note from the Officers

We urge you to ask your colleagues to join the Division of Plasma Physics.

Membership brings direct mailings of the DPP Newsletter with the most up-to-date meeting information, other plasma-related meetings announcements, lists of new Ph.D.s and theses, DPP Fellows, awards, news of Divisional and other APS activities. DPP membership also brings important professional benefits, such as increased allotment for APS Fellows, representation in the APS, and contacts within the plasma community. Membership helps support the annual Divisional meeting and Symposia at other APS meetings. In addition, the DPP supports several activities to increase public awareness of our work and educational initiatives.

One can become a member and register for the Louisville meeting on the same form. DPP membership only costs \$6 per year above APS membership dues. To join contact:

APS Membership Department
One Physics Ellipse
College Park, MD 20740-3844
Phone: 301/209-3280
Fax: 301/209-0867
Email: membership@aps.org ✉



Multiple authorship is acceptable; the presenting author should be listed first.

2. Deadlines

The deadline for submission is noon on Friday, November 10, 1995. Authors wishing to have a paper published in the Special Issue **must bring the completed manuscript to the DPP meeting in publishable form.**

Manuscripts received after the close of the 1995 APS-DPP Annual Meeting *will automatically be treated as regular submissions.*

The Special Issue is scheduled to be published in May 1996. Authors will be held to strict

deadlines for revision and acceptance by the *Physics of Plasmas* editorial office.

3. Length

Invited papers: 7 typeset journal pages (805 manuscript lines)

Review papers: 11 typeset journal pages (1265 manuscript lines).

Papers that exceed the maximum will be returned for shortening before the review process begins.

4. Standards

Acceptance of an Invited or Review Paper is based on the same standards and review process as articles published in regular issues of *Physics of Plasmas*, including the stipulation that material cannot have been submitted or published elsewhere. It is also recognized that some papers are reviews or may properly represent compendia of past work as well as original material.

5. Referees

Referees are chosen by the Editor or Guest Editor (the DPP Program Committee Chairman), and do, as usual, remain anonymous. Authors are encouraged to submit a (nonbinding) list of prospective referees for the Editors' consideration.

6. Future considerations

Papers are published in the Special Issue of *Physics of Plasmas* for archival purposes. If related material is later submitted to the journal, the author is obliged to reference the first paper published in the Special Issue. Follow-up papers are acceptable in *Physics of Plasmas* if they are *bona fide* extensions of the first paper.

7. Editorial assistance and format

An article mock-up and style sheet are available from the *Physics of Plasmas* editorial office. Fax 609/243-2427, email physplas@pppl.gov or phone 609/243-2424 with requests for these guides or with questions regarding submission.

Companion's Program

A Companion's Program will be specially organized during the Annual Meeting. A complimentary breakfast will be held on Monday, 6 November at 9:00 a.m. Location and details will be announced at the Annual Meeting. Louisville is an exciting area with enticing, historical attractions, local events, excellent dining, shopping, cultural activities, sports, and live entertainment that is unsurpassed. Louisville offers a list of exciting things to do, see and enjoy. All are within walking distance or only as far away as a \$3.00 taxicab ride.

The city's theatres and dynamic arts community have set a national standard for excellence. Whether it's the Tony-award winning Guthrie Theater, 612-377-2224, the Minneapolis Institute of Arts, 612-870-3131 or the Walker Art Center (see below), or the acoustically perfect Orchestra Hall, 612-371-5656, the quality and diversity of cultural offerings are unlimited. The spectacularly renovated historic Orpheum and State Theatres, 612-339-7007, feature top quality Broadway shows and concerts. The new Weisman Art Museum, situated high on the bluffs overlooking the Mississippi River on the University of Minnesota's East Bank Campus, was designed by renowned architect Frank O. Gehry. His design for the museum won a Progressive Architecture award.

- Walker Art Center: One of the country's most renowned centers for contemporary art. Offering nine galleries with rotating exhibitions year-round, plus Center Book Shop and Gallery 8 Restaurant. Open Tuesday-Saturday until 8 p.m. Information/Box Office 612-375-7600.

Dining and nightlife areas are clustered along the Mississippi Riverbank and in the Warehouse Districts of downtown.

Shopping in Minneapolis is a unique urban adventure. Visitors may explore downtown through Minneapolis' famous skyway system that connects over 50 blocks of department stores, shopping centers, and businesses. Experience the world-famous Nicollet Mall—a 12 block transit/pedestrian street—filled with shops, landscaping, furniture, boutiques, and

Ronald G. Davidson, Editor
Physics of Plasmas

stores. Dayton's, Saks Fifth Avenue, Neiman Marcus, and Filene's Basement are some of the stores represented here.

For exciting recreation, Minneapolis offers 22 lakes and 153 parks woven together by a 45-mile system of paved paths. Jogging and biking vie with sailing and windsurfing in summer, and the city offers perfect lakes and slopes for skating and cross-country skiing in winter.

Visit Minneapolis. The excitement is contagious! (To help us plan an exciting week of events please return this form.) ★

DPP Winners of 1995 Prize and Awards and 1996 Solicitation of Nominations

James Clerk Maxwell Prize for Plasma Physics

The 1995 Winner is: Francis F. Chen, Univ. of California, Los Angeles

The citation reads as follows: "For a rare combination of physical insight, theoretical ability and skill for performing careful, clear experiments that get to the heart of a problem."

Please send **nominations for the 1996 Maxwell Prize** with supporting documentation to the Chair of the committee **by 1 March 1996**:

Noah Hershkowitz
University of Wisconsin
Department of Physics
1500 Johnson Drive
Madison, WI 53706
Tel: 608/263-4970
Fax: 608/265-2364



Award for Excellence in Plasma Physics Research

The 1994 Winners are: S.G. Glendinning, S.W. Haan, J.D. Kilkenny, J.P. Knauer, D. Munro, B.A. Remington, C.P. Verdon, R.J. Wallace, and S.V. Weber

Lawrence Livermore National Lab

The citation reads as follows: "For outstanding theoretical work, computational design and analysis, and experimental work leading to quantitative and predictive understanding of the Rayleigh-Taylor instability in high energy density plasmas."

Please send **nominations for the 1996 Award** with supporting documentation to the Chair of the committee **by 1 March 1996**:

Mordecai Rosen
Lawrence Livermore National Laboratory
7000 East Avenue (L-4777)
Livermore, CA 94551
Tel: 510/422-5427
Fax: 510/423-9028



Simon Ramo Award for Outstanding Doctoral Thesis Research in Plasma Physics

The 1995 Winner is: Christopher D. Decker, UCLA

The citation reads as follows: "For his pioneering work advancing the understanding and predictive computer modeling of the interaction of short-pulse, high intensity laser light with plasma including the effects of Rahman forward scattering, nonlinear group velocity, relativistic self-focusing, and nonlinear collisional absorption at ultra-high intensity."

Please send **nominations for the 1996 Award** with supporting documentation to the Chair of the committee **by 1 March 1996**:

George Morales
University of California, Los Angeles
Plasma Physics Group
1-130 Knudsen Hall
405 Hilgard Avenue
Los Angeles, CA 90024-1594
Tel: 310/825-4318
Fax: 310/825-4057

The meeting was adjourned at
10:00 p.m.

Respectfully submitted,
Mary Ann Sweeney

Secretary-Treasurer. ☪

✧ ✧ **Airline Discounts!** ✧ ✧

Delta Airlines
800/241-6760
File Number: H1054
American Institute of Physics

Placement Center

The American Institute of Physics (AIP) will conduct a Job Placement Center at the upcoming 36th Annual Meeting of the APS-DPP in Minneapolis, Minnesota. The Center will be open from 9:00 a.m. to 5:00 p.m., Monday through Wednesday, 7-9 November. The Center's aim is to facilitate the process of finding employment for job seekers. The Center provides information to prospective employers and physicists seeking employment who are registered with the Placement Center. Universities, colleges, high schools, research and government institutions, and industrial concerns will be invited to participate in the placement service.

In order to utilize the Job Placement Center, the standard, one-page résumé form must be completed (Placement Service form, insert). The form requests a detailed history of your previous employment, your thesis and research area, and any physics publications you have authored. Please provide the number of years spent in each field in the columns on the right side of the page. There is a place on the form to describe the position you are seeking. Be sure to include your home and business phone numbers (with area code). This form must be completely filled out in a neat, presentable manner. You may use your current résumé and any ancillary materials to support your candidacy during an actual interview.

Mail your completed Placement Service form and the \$5 application fee **by Friday, 14 October 1994** to: AIP Career Planning and Placement Division, One Physics Ellipse, College Park, MD 20740. Please indicate if you will be attending the DPP meeting in Minneapolis. ☪

Career Workshop

✧ ✧ **Airline Discounts!** ✧ ✧

Also, during this meeting, the AIP Career Planning and Placement Division will organize a workshop on career choices in physics. Invited speakers will have practical information on various topics, such as: 1. Job prospects: Present and future, 2. How to present oneself in a résumé, and 3. Traditional and non-traditional positions for physicists. The workshop will be held in the Hyatt Regency Minneapolis. Additional information on the workshop and room location will be available by contacting the AIP Career Planning and Placement Division, One Physics Ellipse, College Park, MD 20740. ☪

Project SEEP

During the DPP Annual Meeting the AIP Career Planning and Placement Division will present a program for Students to Explore and Experience Physics (SEEP). Students will be selected from the Minneapolis Public School District. SEEP is designed to heighten awareness and interest in science as a future career.

More details will be published in the October issue of APS News and will be posted near the registration desk area at the Annual Meeting. ☪

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Other Relevant Meetings—1995-96

1995 APS Biennial Conference on Shock Compression of Condensed Matter, 13-18 August 1995, Seattle, Washington. Contact person: William C. Tao, Lawrence Livermore National Laboratory, phone: 510/423-0499, fax: 510/422-2382 (or email: tao1@llnl.gov).

Fifth ANS International Conference on Nuclear Criticality Safety, 17-22 September 1995, Albuquerque, New Mexico. Contact person: R. Douglas O'Dell, Los Alamos National

Laboratory, phone: 505/667-4614, fax: 505/665-4970 (or email: rdo@lanl.gov).

1995 IEEE Symposium on Fusion Engineering, 30 September to 5 October 1995, Champaign, Illinois. Contact person: George Miley, University of Illinois, phone: 217/333-3772, fax: 217/333-2906 (or email: miley@uiucvmd.edu).

Forty-Second American Vacuum Society National Symposium, 16-20 October 1995, Minneapolis, Minnesota. Contact person: Yvonne Towse, AVS, phone: 212/248-0200 (or email: avsnyc@vacuum.org)

Seventh International Workshop on Atomic Physics for Ion Driven Fusion, 16-20 October 1995, Madrid, Spain. Contact person: Professor E. Minguez, Institute of Nuclear Fusion, Polytechnic University, phone: 34/1-3363108, 34/1-3363109, 34/1-3363110, fax: 34/1-3363002, 34/1-4114148 (or email: minguez@denim.upm.es).

AGU Fall Meeting, 11-15 December 1995, San Francisco, California. Abstract deadline: 6 September 1995. Preregistration deadline: 10 November 1995. Contact: AGU Meetings Department, phone: 202/462-6900 or 800/966-2481, fax: 202/328-0566 (or email: meetinginfo@kosmos.agu.org).

Chapman Conference on Magnetic Storms, 12-16 February 1996, Pasadena, California. Abstract deadline: 2 October 1995. Preregistration deadline: 30 November 1995. Preregistration Form

Insert

Contact: AGU Meetings Department, phone: 202/462-6900 or 800/966-2481, fax: 202/328-0566 (or email: meetinginfo@kosmos.agu.org).

1996 Transport Task Force Workshop, 13-16 March 1996, Doubletree Hotel, Philadelphia, Pennsylvania. Contact person: Glenn Bateman, Princeton Plasma Physics Laboratory, email: bateman@pppl.gov, phone: 609/243-2837, fax: 609/243-2418.

in conjunction with

1996 International Sherwood Fusion Theory Conference, 18-20 March 1996, Doubletree Hotel, Philadelphia, Pennsylvania. Abstract deadline: Wednesday, 31 January 1996. Contact person: Morrell Chance, Princeton Plasma Physics Laboratory, phone: 609/243-2641, fax: 609/243-2662 (or email: mchance@pppl.gov).

in conjunction with

Numerical Tokamak Project Meeting, 20-21 March 1996, Doubletree Hotel, Philadelphia, Pennsylvania. Contact person: Greg Hammett, Princeton Plasma Physics Laboratory, phone: 609/243-2495, fax: 609/243-???? (or email: hammett@pppl.gov). ☺

Thirty-Eighth Division of Plasma Physics Annual Meeting, 11-15 November 1996, Denver, Colorado. Contact person: Saralyn Stewart, The University of Texas at Austin, Institute for Fusion Studies, phone: 512/471-4378, fax: 512/471-6715 (or email: stewart@hagar.ph.utexas.edu).