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physics still being uncovered, and increasing utilization of plasmas for applications. On the other hand, we have problems from a poor economy, alarming career opportunities, and uncertainty in the 'new world order' and domestic political landscape. There is a deteriorating public perception of the value of science, in my opinion. Can we assume that things will work out okay?

The DPP is working to improve the public perception of plasma physics. We placed education and public outreach sessions within the regular program in Minneapolis, held several sessions on opportunities in plasma science, initiated a workshop for college physics teachers, enhanced the AIP career development workshop, and opened outreach programs for local high school teachers to elementary school students and teachers, jointly hosted with APS and AIP. An open house and fusion/plasma exhibit at the Science Museum of Minnesota was organized by Sherrie Preische and Bob Heeter. DPP has revitalized participation in the April APS (Washington) Meeting to inform policy makers and other physicists of the value of our work. Stewart Prager, 1995 program chair, is hard at work on the April Meeting program. The DPP Interdivisional and Public Affairs Committee, chaired by Herb Berk, is preparing a white paper on plasma science that will complement the National Research Council study and lead to an attractive and informative brochure. We are discussing strategies for getting our point across to the public and policy makers in 1995. After inquiries by DPP, APS initiated a Public Information Coordinator program to assist APS units in disseminating newsworthy advances.

It is clear to me that all DPP members must get personally involved; involved in the DPP, in politics, in all levels of education, in civic groups, etc. I encourage each of you to emerge from the laboratory and the university and help spread the word of the value of our work. It would be nice for a future DPP chair to write simply "It is the best of times."

I would like to express my appreciation to those of you who have generously donated considerable time and talents towards making the DPP run smoothly

Note from the Chair

Dickens' famous opening line describing the French Revolution era in *A Tale of Two Cities*, "It was the best of times, it was the worst of times," suits today's state of plasma physics. On one hand, we see a stream of significant advances in the magnetic and inertial fusion programs, exciting fundamental plasma

and carrying on its valuable work. New volunteers are welcome. I look forward to working with you throughout 1995.

On a personal note, after over 21 years of research and management at NRL, I am relocating to APS headquarters as Associate Executive Officer. I am looking forward to the opportunity to promote the interests of our profession and our members as well as those of all of APS.

Barrie

Ripin ✪

Call for Nominations for APS Fellowship

Deadline: Wednesday, 15 March 1995

Each year the Division of Plasma Physics (DPP) is allowed to submit nominations of about 1/2% of its membership, approximately 12 members, to Fellowship in the American Physical Society (APS). Fellowship status for members of the DPP is indicated by an asterisk next to the member's name in the current membership directory [APS News, 2 (12), Part 2 December 1993]. A nomination form is enclosed. The original nomination package should be sent to Ken Cole at APS (see address below), along with a cover letter stating that a copy has also been sent to Richard D. Hazeltine (see address below):

Original:
Copy:

Ken Cole
Richard D. Hazeltine
American Physical Society
The University of Texas
One Physics Ellipse
Institute for Fusion Studies, 26th and
Speedway Streets
College Park, MD 20740-3844
Austin, TX 78712
301/209-3268
512/471-1322

**Deadline for receipt of nomination packages
is: Wednesday, 15 March 1995.**

The nomination package should consist of no more than 20 single-sided pages containing: a completed nomination form with supporting statements or letters from two sponsors (it is recommended that they be Fellows themselves), a citation limited to 30 words, and citations for the nominee's four most notable publications. (A list of DPP members holding Fellowship rank is inserted in this Newsletter.) It is suggested that one of the sponsors not be from the nominee's institution. The sponsors should solicit and include up to two additional supporting letters. A list of refereed publications should also be included. (This may be in compressed, but readable, form.) Optional material, such as candidate vita, may be appended as long as the page limit is not exceeded. Note that these instructions differ somewhat from those printed in the standard APS form.

The principal criterion for fellowship is outstanding scientific or technical contributions, evidenced by the quality and impact of the

contributions. Special services to science or the APS, contributions to scientific leadership or teaching, and recognition as an authority in some branch of plasma physics will be given serious consideration. Election to Fellowship requires membership in the APS and, typically, at least six years of experience beyond the Ph.D. The nominations are evaluated by the DPP Fellowship Committee and its recommendations are considered in succession by the DPP Executive Committee, the APS Fellowship Committee, and the APS Council. A Fellowship certificate for the newly selected fellow, bearing the citation, will be awarded at the banquet of the Annual Meeting. ☪

1995 Fellowship Committee

Richard Hazeltine, *Chair*

U. of Texas

512/471-1322
Michael Campbell

LLNL

510/422-5391
Fred Driscoll

UC, San Diego

619/534-2489
Glen Joyce

NRL

202/767-6785
Jean-Noel Leboeuf

ORNL

615/574-1127
Michael Lieberman

UC, Berkeley

510/642-7200
Dale Meade

PPPL

609/243-3301
Gerald Navratil

405 Hilgard Avenue
 Los Angeles, CA 90024-1547
 Tel: 310/825-7814
 Fax: 310/825-4057
 Email: dawson@physics.ucla.edu

Deadline for receipt of nominations: Tuesday, 4 April 1995

Committee:

John Dawson, <i>Chair</i>	UCLA	310/825-7814
Noah Hershkowitz, <i>Vice-Chair</i>	U. of Wisconsin	608/263-4970
Herbert Berk	U. of Texas	512/471-1364
Roy Gould	CalTech	818/356-4811
Ernest Valeo	PPPL	609/243-2610

Award for Excellence in Plasma Physics Research

Sponsored by Friends of the Division of Plasma Physics.

Purpose:

To recognize a particular recent outstanding achievement in plasma physics research.

Nature:

The award consists of \$5,000, to be divided equally in the case of multiple winners. Each recipient will receive a certificate to be presented during the award ceremony at the banquet for the Division of Plasma Physics Annual Meeting.

Establishment and Support:

This award was established in 1981 with support from the Friends of the Division of Plasma Physics and is to be awarded annually if the Selection Committee identifies a worthy candidate or candidates.

Rules and Eligibility:

Nominations are open to scientists of all nationalities, regardless of the geographical site at which the work was done. The award shall ordinarily be presented to an individual scientist but may be bestowed on a set of scientists, as appropriate, to honor those who make essential contributions to the cited research achievement. Nominations of candidates remain active for three years.

For further information contact:

Professor Kenneth Gentle
 The University of Texas
 Department of Physics
 26th and Speedway Streets
 Austin, TX 78712
 Tel: 512/471-7581
 Fax: 512/471-6715
 Email: textkgw@fusion.ph.utexas.edu

Deadline for receipt of nominations:

Tuesday, 4 April 1995

Committee:

Kenneth Gentle, <i>Chair</i>	
U. of Texas	512/471-7581
Mordecai Rosen, <i>Vice-Chair</i>	
LLNL	510/422-5427

Ira Bernstein	
Yale	203/432-4352
Barbara Shrauner	
Washington U.	314/935-6134
Tony Taylor	
GA	619/455-3559

Simon Ramo Award

Sponsored by TRW, Incorporated.

Purpose:

To provide recognition to exceptional young scientists who have performed original doctoral thesis research of outstanding scientific quality and achievement in the area of plasma physics.

Nature:

The award consists of \$1,500 and a certificate to be presented during the award ceremony at the banquet for the Division of Plasma Physics Annual Meeting and a travel allowance to the meeting of up to \$500.

Establishment and Support:

This award was established in 1985 to honor the many outstanding contributions to the science and application of electromagnetism by Dr. Simon Ramo and is supported by funding from TRW, Inc.

Rules and Eligibility:

Nominations will be accepted for any doctoral student (present or past) of a college or university in the United States or for a United States' student abroad. The work to be considered must have been performed as part of the requirements for a doctoral degree. Also, the nominee must not have passed his final doctoral examination or started regular employment more than 18 months before the nomination deadline for the selection cycle in which the nomination is to be considered. Each nominee will be considered in not more than two consecutive cycles.

For further information contact:

Professor Gerald Navratil
Columbia University
Department of Applied Physics
500 West 120th Street
New York, NY 10027
Tel: 212/854-4496
Fax: 212/854-8257
Email: navratil@cuplvx.ap.columbia.edu

Deadline for receipt of nominations:

Tuesday, 4 April 1995

Committee:

Gerald Navratil, <i>Chair</i>	
Columbia U.	212/854-4496
George Morales, <i>Vice-Chair</i>	
UCLA	310/825-4318
Thomas Antonsen	
U. of Maryland	301/405-1635
Masayuki Ono	
PPPL	609/243-2105
Albert Simon	
U. Rochester	716/275-4431

Nominations for Officers of the Division of Plasma Physics

Nominations are being requested for 1995 Officers of the DPP: Vice-Chair, Secretary-Treasurer, three Executive Committee members, and Councillor. (The second DPP Councillor is contingent upon the DPP membership exceeding 6% of the total APS membership on 31 December 1994.) Following the rules set forth in our bylaws, candidates must be members of the DPP for at least two years prior to nomination, a slate of candidates will be selected by the Nominations Committee, chaired by Thomas Simonen, and ballots will be mailed to the DPP membership during the summer.

Members nominated by at least 1% of the DPP (about 25 members) will automatically be placed on the ballot. The Vice-Chair will be the Chair of the Fellowship Committee; the following year s/he will succeed to the Chair-Elect of the DPP and will be the Chair of the Program Committee; and then the year after that s/he will assume the Chair of the DPP. Please use the form below and mail it (photocopy or cut off) or email nominations, your return address is your official DPP member signature, to:

Thomas Simonen
General Atomics
PO Box 85608, 13/255
3550 General Atomics Court (92121-1194)
San Diego, CA 92138
Phone: 619/455-3522
Fax: 619/455-3548
simonen@gav.gat.com

APS—Division of Plasma Physics Committees

The business of the Division of Plasma Physics is conducted by a large number of members willing to serve on the committees listed on the following pages. The DPP is indebted to these members for his or her time and interest. Please feel free to contact any member of the Executive Committee on general APS-DPP matters or the Chair of any appointed committee on issues within its purview. We look forward to working with you to promote the business of the DPP during the coming year. ☛

Barrett H. Ripin, 1995 Chair
Division of Plasma Physics, APS

1995 Executive Committee

Chair:

Barrett H. Ripin NRL/APS 301/209-3233 ripin@aps.org

Chair-Elect:

Stewart C. Prager U. of Wisconsin 608/262-7768 prager@juno.physics.wisc.edu

Past Chair:

William L. Kruer LLNL 510/422-5437 kruer@icf.llnl.gov

Vice-Chair:

Richard D. Hazeltine U. of Texas, IFS 512/471-1322 rdh@hagar.ph.utexas.edu

Secretary-Treasurer:

Mary Ann Sweeney SNL 505/845-7307 masween@sandia.gov

Divisional Councillor:

Roy W. Gould Caltech 818/395-4811 rwgould@cco.caltech.edu

Members:

James F. Drake U. of Maryland 301/405-1471 drake@lpf.umd.edu

Steven J. Gitomer LANL 505/667-4352 steve@lanl.gov

Chan Joshi UCLA 310/206-2039 joshi@ee.ucla.edu

Peter A. Politzer GA 619/455-2260 politzer@gav.gat.com

Miklos Porkolab MIT 617/253-8448 porkolab@pfc.mit.edu

Douglass E. Post ITER, San Diego 619/622-5141 postd@iterus.org

Sherrie Preische PPPL 609/243-2494 preische@theory.pppl.gov

Ned R. Sauthoff PPPL 609/243-3207 sauthoff@pppl.gov

J. Leon Shohet U. of Wisconsin 608/262-1191 shohet@engr.wisc.edu

1995 Appointed Committees

Program Committee for Invited and Contributed Papers

Stewart Prager, *Chair* U. of Wisconsin 608/262-7768 prager@juno.physics.wisc.edu

Daniel Barnes LANL 505/665-4841 dbarnes@ctrss2.lanl.gov

Amitava Bhattacharjee U. of Iowa 319/335-3744 amitava@iowa.physics.uiowa.edu

Keith Burrell GA 619/455-2278 burrell@gav.gat.com

Gerald Cooperstein NRL 202/767-2290 cooperstein@ppd.navy.mil

Ronald Gilgenbach U. of Michigan 313/763-1261 ronald.gilgenbach@um.cc.umich.edu

John Greenly Cornell 607/255-7379 johng@lps.cornell.edu

Steven Haan LLNL 510/422-4715 haan1@llnl.gov

Richard Hazeltine U. of Texas, IFS 512/471-1322 rdh@hagar.ph.utexas.edu

Jan Hugill Culham Lab 44/1235-463326

Jay Kesner MIT 617/253-8662 kesner@pfc.mit.edu

Michael Lieberman UC, Berkeley 510/642-7200 lieber@eecs.berkeley.edu

Gerald Navratil Columbia U. 212/854-4496 navratil@cuplpx.ap.columbia.edu

James Rome ORNL 615/574-1306 jar@ornl.gov

Wolf Seka	U. of Rochester	716/275-3815	seka@lle.rochester.edu
Frederick Skiff	U. of Maryland	301/405-4977	skiff@plasma.umd.edu
Henry Strauss	NYU, Courant	212/998-3268	strauss@cims.nyu.edu
Clifford Surko	UC, San Diego	619/534-6880	csurko@ucsd.edu
Mary Ann Sweeney	SNL	505/845-7307	masween@sandia.gov
Teruo Tamano	U. of Tsukuba	81/298-53-6230	tamano@prc.tsukuba.ac.jp
Michael Zarnstorff	PPPL	609/243-3581	zarnstorff@usc.pppl.gov
Ellen Zweibel	U. of Colorado	303/492-8439	zweibel@solarz.colorado.edu

Local Arrangements for Louisville, Kentucky Annual Meeting

James Rome, <i>Chair</i>	ORNL	615/574-1306	jar@ornl.gov
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Site Selection Committee

William Krueer, <i>Chair</i>		LLNL	510/422-5437
Mary Ann Sweeney		Sandia	505/845-7307

Public Information Coordinator

Richard Petrasso, <i>Chair</i>	MIT	617/253-8458	petrasso@pfc.mit.edu
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Newsletter, Program Administration, and Home Page

Saralyn Stewart	U. of Texas, IFS	512/471-4378	stewart@hagar.ph.utexas.edu
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Fellowship Committee

Richard Hazeltine, <i>Chair</i>		U. of Texas, IFS	512/471-1322
	rdh@hagar.ph.utexas.edu		
Michael Campbell		LLNL	510/422-5391
Fred Driscoll		UC, San Diego	619/534-2489
Glen Joyce		NRL	202/767-6785
Jean-Noel Leboeuf		ORNL	615/574-1127
Michael Lieberman		UC, Berkeley	510/642-7200
Dale Meade		PPPL	609/243-3301
Gerald Navratil		Columbia U.	212/854-4496
Bill Nevins		LLNL	510/422-7032

Human Rights Committee

William Dorland, <i>Chair</i>		U. of Texas, IFS	512/471-3795
	bdorland@hagar.ph.utexas.edu		
Yakov Alpert		Harvard-Smithsonian Cntr for Astrophys.	617/495-7433
Herbert Berk		U. of Texas, IFS	512/471-1364
Abraham Bers		MIT	617/253-4195
Bruno Coppi		MIT	617/253-2507
John Finn		LANL	505/667-8156
Alan Glasser		LANL	505/667-7723
Yue-Ying Lau		U. of Michigan	313/764-5122
Christof Litwin		U. of Wisconsin	608/263-5808
Chuan Liu		U. of Maryland	301/405-8054
Richard Post		LLNL	510/422-9853
Marshall Rosenbluth		UCSD	619/534-3790
Norman Rostoker		UC, Irvine	714/856-6949
Bruce Scott		Max-Planck, Germany	49/89-3299-1644
Andrew Sessler		LBL	510/486-4992
Thomas Stix		PPPL	609/243-2488
Linda Sugiyama		MIT	617/253-8538

Pace VanDevender	Sandia	505/271-7935
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1995 Appointed Committees, continued**Nominations Committee**

Thomas Simonen, <i>Chair</i> simonen@gav.gat.gov	GA	619/455-3522
Noah Hershkowitz	U. of Wisconsin	608/263-4970
Albert Simon	U. of Rochester	716/275-4431
Paulett Liewer	Caltech	818/354-6538

Publication Committee

Douglass Post, <i>Chair</i> postd@iterus.org	ITER, San Diego	619/622-5141
Barbara Abraham-Shrauner	Washington U.	314/935-6134
Bruce Cohen	LLNL	510/422-9823
James Drake	U. of Maryland	301/405-1471
David Forslund	LANL	505/665-1907
Martin Goldman	U. of Colorado	303/492-8896
Noah Hershkowitz	U. of Wisconsin	608/263-4970
Charles Karney	PPPL	609/243-2607
Neville Luhmann, Jr.	UCLA	310/825-4163
James Rome	ORNL	615/574-1306
John Sethian	NRL	202/767-2705
Ernest Valeo	PPPL	609/243-2610

Interdivisional and Public Affairs

Herbert Berk, <i>Chair</i> berk@hagar.ph.utexas.edu	U. of Texas, IFS	512/471-1364
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Members to be announced.

James Clerk Maxwell Prize

John Dawson, <i>Chair</i>	UCLA	310/825-7814
Noah Hershkowitz, <i>Vice-Chair</i>	U. of Wisconsin	608/263-4970
Herbert Berk	U. of Texas, IFS	512/471-1364
Roy Gould	Caltech	818/395-4811
Ernest Valeo	PPPL	609/243-2610

Excellence Award

Kenneth Gentle, <i>Chair</i>	U. of Texas, FRC	512/471-7581
IMordecai Rosen, <i>Vice-Chair</i>	LLNL	510/422-5427
Ira Bernstein	Yale	203/432-4352
Barbara Shrauner	Washington U.	314/935-6134
Tony Taylor	GA	619/455-3559

Simon Ramo Award

Gerald Navratil, <i>Chair</i>	Columbia	212/854-4496
George Morales, <i>Vice-Chair</i>	UCLA	310/825-4318
Thomas Antonsen	U. of Maryland	301/405-1635
Masayuki Ono	PPPL	609/243-2105
Albert Simon	U. of Rochester	716/275-4431

Nicholson Medal for Humanitarian Service Award

Thomas Stix, Chair	PPPL	609/243-2488
Valerie Thomas	Princeton U.	609/258-4665
Herbert Berk	U. of Texas, IFS	512/471-1364
Martin Goldman	U. of Colorado	303/492-8896
Andrew Sessler	LBL	510/486-4992

Important Deadlines for your Calendars—1995

Thirty-Seventh Annual Meeting of the Division of Plasma Physics, 6-10 November 1995 in Louisville, Kentucky. The meeting will be held at the Galt House Hotel, 140 North Fourth Street, Louisville, KY 40202. James Rome of Oak Ridge National Laboratory is the Chair of the Local Arrangements Committee.

The **deadline for invited and review paper nominations is Wednesday, 7 June 1995.** Nomination forms (revised) will be enclosed in the May Newsletter. Nominations should be sent to Saralyn Stewart, The University of Texas at Austin, Institute for Fusion Studies, 26th and Speedway, RLM 11.234, Austin, Texas 78712, phone: 512/471-4378, fax: 512/471-6715 (email: stewart@hagar.ph.utexas.edu) **and one copy to Stewart Prager, University of Wisconsin, Department of Physics, 1150 University Avenue, Madison, Wisconsin 53706, phone: 608/262-7768, fax: 608/262-7205 (email: prager@juno.physics.wisc.edu).**

The **deadline for abstracts of contributed papers is Friday, 7 July 1995.** A revised subject categories list, together with an abstract form (revised), will be mailed to all DPP members in our May Newsletter. ☺

Other Relevant Meetings

1995 Joint April Meeting of the American Physical Society and the American Association of Physics Teachers, 18-21 April 1995 in Washington, DC. There will be three plasma physics invited paper sessions at the Joint April Meeting (see details in separate mailing):

- New results in inertial confinement fusion
- Computational physics in magnetic fusion: Joint session with the Division of Computational Physics
- Astrophysical shocks: Joint session with the Division of Astrophysics.

U.S.-European Transport Task Force Workshop, 6-9 March 1995, Doubletree Hotel, Marina Del Rey, California. Contact person: Ben Carreras, Oak Ridge National Laboratory, phone: 615/574-1292, fax: 615/576-7926 (or email: tatedj@fedc04.fed.ornl.gov).

1995 International Sherwood Fusion Theory Conference, 3-5 April 1995, Incline Village, Nevada. Abstract deadline: Wednesday, 22 February 1995. Contact person: Thomas Kaiser, Lawrence Livermore National Laboratory, University of California, PO Box 808, L-630, Livermore, California 94550, phone: 510/423-8371, fax: 510/423-3484 (or email: kaiser@casablanca.llnl.gov).

in conjunction with

Numerical Tokamak Project Meeting, 5-6 April 1995, Incline Village, Nevada. Contact person: Bruce Cohen, Lawrence Livermore National Laboratory, University of California, PO Box 808, L-630, Livermore, California 94550, phone: 510/422-9823, fax: 510/423-3484 (or email: bcohen@llnl.gov).

1995 IEEE Particle Accelerator Conference, 1-5 May 1995, Dallas, Texas. Contact person: Stanley Schriber, LANL, phone: 505/667-5634, fax: 505/667-0919.

Ninth IEEE Conference on Real-Time Computer Applications in Nuclear, Particle, and Plasma Physics, 22-25 May 1995, East Lansing, Michigan. Contact person: Ron Fox, Michigan State University, phone: 517/353-1628, fax: 517/353-5967 (or email: rt95@rudolf.nscl.msu.edu).

The Twenty-Second IEEE International Conference on Plasma Science, 5-8 June 1995, Madison, Wisconsin. Contact person: John Scharer, University of Wisconsin, phone: 608/263-1614, fax: 608/262-6707 (or email: scharer@tesla.ece.wisc.edu).

The Twenty-Second European Physical Society Conference on Controlled Fusion and Plasma Physics, 2-7 July 1995, Bournemouth, United Kingdom. Contact person: Stewart Prager, University of Wisconsin, phone: 608/262-7768, fax: 608/262-7205 (or email: prager@juno.physics.wisc.edu).

1995 IEEE Pulsed Power Conference, 10-12 July 1995, Albuquerque, New Mexico. Contact person: William L. Baker, Phillips Laboratory, phone: 505/846-8027, fax: 505/846-7900.

Twenty-Second International Conference on Phenomena in Ionized Gases, 30 July to 5 August 1995, Hoboken, New Jersey. Contact person: Wayne Carr, Stevens Institute of Technology, phone: 201/216-5656, fax: 201/216-5638 (or email: icpig@stevens-tech.edu).

Nineteenth IUPAP International Conference on Statistical Physics, 31 July to 4 August 1995, Xiamen, China. Contact person: Professor Bai-Lin Hao, Institute of Theoretical Physics, Academia Sinica, PO Box 2735, Beijing 100080, China, fax: 86/1-256-2587.

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 4 October 1995, Champaign, Illinois. Contact person: George Miley, University of Illinois, phone: 217/333-3772, fax: 217/333-2906 (or email: miley@uiucvmd.edu).

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). ☛

Minutes of the DPP Executive Committee Meeting

Sunday, November 6, 1994
Hyatt Regency Hotel
Minneapolis, MN

Officers:

William Kruer, Chair
Barrett Ripin, Chair-Elect
Stewart Prager, Vice Chair
Mary Ann Sweeney, Secretary-Treasurer

Report on a Special Meeting in Minneapolis

Women in Plasma Physics

The Women in Plasma Physics meeting was held on Monday, November 7 in Minneapolis as part of the APS-DPP Annual Meeting. Some introductory comments were made by Bill Kruer, DPP Chair, and Barrett Ripin, DPP Vice-Chair. Linda Vahala, Old Dominion University read comments written by Judy Franz, APS Executive Officer, who was unable to present her comments in person due to other commitments. In particular, Judy mentioned that she and Mildred Dresselhaus, MIT, received a National Science Foundation grant in 1992 to send visiting teams of physicists to ten research departments throughout the U.S. They found that life is tough for all graduate students, while institutions varied tremendously with respect to the climate for women. Where there are more women students and more women faculty members, things are better. In other cases, women find themselves quite isolated until they join a research group in the second or third year. A very important ingredient of a good climate for women is a strong departmental chair who cares about students in general and communicates frequently with them. Such chairs learn quickly when harmful incidents occur, and they are willing to take positive action to correct the situation.

In summary, there were around 100-150 women and men present. Lively small group discussions followed. ☛

Linda Vahala
Old Dominion University

Chuan Liu, Past Chair
T. Kenneth Fowler, Councillor
Richard Hazeltine, newly-elected Vice Chair
Roy Gould, newly-elected Councillor

Executive Committee: Bruce Langdon (11/94), Paulett Liewer (11/94), Wallace Manheimer (11/94), Miklos Porkolab (11/96), Douglass Post (11/95), Ned Sauthoff (11/96), J. Leon Shohet (11/95)

New Members: Chan Joshi (11/97), Peter Politzer (11/97), Sherrie Preische (11/97)

APS Representatives: Judy Franz (Executive Officer), Harry Lustig (Treasurer), Margaret Vassilikos (Assistant Treasurer and Controller), Ramon Lopez (Education), Michael Scanlan (Meetings Manager)

Committee Chairs: Martin Goldman (Publications and Nicholson Medal), Douglas Ernie (1994 Local Arrangements), Clifford Surko (NAS/NRC Study Report), James Rome (1995 Local Arrangements), Richard Petrasso (Public Information Coordinator)

Guests: David Crandall (Office of Fusion Energy), Bret Chapman, R. Paul Drake (1994 Program Committee), Earl Scime, Saralyn Stewart (Admin-istrator/Newsletter Editor), Jan Hugill (European Physical Society)

The Meeting was called to order at 3:27 p.m. by Bill Kruer.

Rome was appointed by Kruer to act as Secretary-Treasurer in Minneapolis in Sweeney's absence during the DPP Annual Meeting.

The minutes from the April 21, 1994 Executive Committee (ExCom) Meeting were approved, subject to minor changes.

Secretary-Treasurer's Report—Kruer (for Sweeney):

Kruer reported the results of the Annual Division of Plasma Physics (DPP) election: Richard D. Hazeltine, Vice Chairman, Roy Gould, Councillor, and ExCom Members, Chan Joshi, Peter Politzer, and Sherrie Preische. A larger fraction (25% vs 22%) of the DPP membership voted in the election compared to last year. A total of 593 valid ballots were received. Nine additional ballots had no signature or name on the envelope and were therefore disqualified.

The net worth of the DPP increased slightly since last year. We have about \$200,000 in our account with the APS, an amount sufficient to cover the expenses for a disastrous year.

International Cooperation—Porkolab (for Bers):

DPP has agreed to exchange representatives with the European Physical Society (EPS) Plasma Physics Division (PPD). Abe Bers has been representing DPP on the EPS and has served on the EPS Program Committee. Hugill is attending this ExCom meeting as the representative of the EPS. Hugill will also serve on the 1995 APS-DPP Program Committee.

There was discussion about whom DPP should choose as representative and the term length for the representative. The DPP representative would attend both the EPS annual meeting in July and the paper selection meeting at the start of the calendar year. This would coincide with DPP's usual change of officers after the DPP Annual Meeting.

MOVED (Ripin, Porkolab): The DPP ExCom shall appoint the Chair-Elect to serve as representative to the EPS-PPD Board and as an EPS-PPD Program Committee member for the following year. The **motion** passed unanimously.

Prager will be the APS-DPP representative for 1995.

A desire was expressed to jointly sponsor a US-European transport task force (TTF) workshop. Hugill pointed out that the European counterpart, the US TTF, is a less coherent group.

MOVED (Prager, Manheimer): The APS-DPP ExeCom enthusiastically endorses the first APS-EPS scientific collaboration on plasma transport studies recently organized by the coordinators of the US TTF (B. Carreras, ORNL) and the European TTF (J. Connor, Culham) and recommends that the proposed 1996 US-European TTF Workshop on transport in fusion plasmas be jointly sponsored by the APS and EPS. The **motion** passed unanimously.

However, this sponsorship must be approved by the APS Council. Previously, the travel costs for our representative to the EPS were split between the DPP and the APS. The APS has now withdrawn its contribution, so the DPP may have to foot more of the bill.

The EPS also suggested that both organizations publicize each other's meetings in their respective newsletters. Those present agreed.

Initiatives for Plasma Physics Support—Kruer, Ripin, Prager

Kruer, Ripin, and Prager have written several letters and made two visits to the National Science Foundation (NSF). The NSF Division director, Robert Eisenstein, has agreed to try to restore name recognition to Plasma Physics in the NSF Division of Physics.

The situation at DoE is similar, with declining support for basic research in the Applied Physics and Technology Division. A letter to Martha Krebs on February 3, 1994, signed by 37 program leaders, resulted in three meetings but little substantive change.

The American Nuclear Society has written a policy statement on fusion, and the IEEE issues a statement on fusion each year. The IEEE has a separate corporate body called IEEE-USA that can lobby, and Sauthoff is head of their energy task force. Sauthoff asked whether the APS should formulate a statement on plasma physics. The matter was referred to our Interdivisional and Public Affairs Committee.

The APS Council has just passed a new policy on statements. All statements must be submitted to the APS Executive Officer (Franz), who will determine if the statement is narrow or broad. Broad statements must be approved by Council after being examined by POPA. Release of narrow statements can be approved by the Executive Officer, if the statement is not deleterious to other Divisions or to other APS positions.

National Research Council Report—Surko

Surko reported on his activities on the National Research Council (NRC). Surko is co-chair, with John Ahearne, of the study on Opportunities in Plasma Science and Technology formally commissioned by the Board on Physics and Astronomy (BPA) of the NRC. The Plasma Science Committee of BPA was instrumental in setting up the study panel to assess a wide range of areas including fusion, low-temperature plasmas, beams, space plasmas, non-neutral plasmas, theory, and education. The report is nearly completed, and should be released soon, and will be briefly described at the Monday Evening Symposium.

Surko requested some financial support from the DPP for color pictures and a color cover for the report. Surko was asked whether the report could be made available on INTERNET. Surko will inquire.

MOVED (Ripin, Porkolab): Because plasma phenomena are inherently three dimensional, it will greatly enhance the presentation of the NRC report if the cover and some pictures are printed in color. The DPP will provide up to \$8K for a color cover and color pictures in the NRC report, *Study on Opportunities in Plasma Science and Technology*. However, Surko should first try to get the NRC to pay for the cover and pictures. The **motion** passed.

Membership—Stewart

The DPP membership is close to having enough members for a second Councillor. DPP has 5.64% of the APS membership; APS requires 3% per Councillor. The DPP membership count is also used to determine how many Fellows can be nominated. The division membership totals are calculated on December 31 each year, so we have a small window of time to get more members. [Note: As of December 31, 1994 DPP had 6.002%.] Several initiatives

have been undertaken. Manheimer and Ripin compiled a list of NRL APS members who were not DPP members and sent them individual letters. Kruer sent a letter to all DPP members asking them to get new members to join. Paul Rutherford sent a letter to all of PPPL. It was proposed that Kruer distribute the list of lapsed members to the ExCom officers and members to facilitate individual contacts for the DPP campaign.

There are several other methods of increasing membership. Scientists in the former Soviet Union (fSU) can join APS-DPP under the Matching Membership Program, free for one year. Half of the fee is paid by APS and half from APS member contributions. Student members are free for the first year. We could also solicit members of Physics of Beams and Computational Physics, who have overlapping membership in DPP.

Yearly membership dues were raised by Council beginning in July 1995 to \$90 for the APS and \$6 for Divisional memberships. Each Division receives \$5 of the \$6 fee.

Public Information and Education—Petrasso, Preische

Richard Petrasso, MIT, is the newly appointed DPP Public Information Coordinator. Petrasso has been especially effective at writing articles about plasma topics and fusion that are accessible to other scientists. Please contact him with any suggestions for increased exposure opportunities (petrasso@pfc.mit.edu).

Preische noted that in the past the AIP Career Workshop focused on writing resumes and networking. These are generally available to each member locally. We need more emphasis on opportunities outside plasma physics. It was suggested that we hand out a survey at the Workshop. Earl Scime is writing a brochure on employment issues using data from the APS, AIP, NSF and NRC, that will cover topics such as: Where should you look? What is the real world doing? What prerequisites are helpful in other fields? Scime distributed a section of the brochure that dealt with employment statistics.

Lustig, APS Treasurer, said that the APS has mailed a color brochure to the graduate students in physics treating many of these issues. The APS brochure is available to all members.

The DPP is making a major effort to increase public exposure to plasma physics, especially in education. For example, the Science Museum of Minnesota in St. Paul is featuring a fusion exhibit and an evening of lectures, organized by Preische and Robert F. Heeter of PPPL. The cost is \$1700 (donated by industry) for staffing, plus the exhibits, which came from several national labs. Kruer will send Preische and Heeter letters commending them for their efforts.

DPP will continue to hold a day-long session for local physics teachers at this meeting. Ripin initiated a Workshop for College Physics Problem Solving with the help of the APS Committee on Education. The workshop is organized by Patricia and Kenneth Heller, University of Minnesota.

DPP asked APS for help with technical publications and public relations. An APS Academic and Industrial Roundtable meets in Washington. Members of the Roundtable are invited by Congressmen, Governors, and Senators to make a presentation in a region. We can ask APS for representation on the Roundtable. AIP broadcasts radio and TV spots. Franz said the AIP contact is Joan Rather. Also, DPP should revisit the issue of putting out press releases at meetings.

Several members believe a glossy brochure on plasma physics may be useful. The cost may be \$20,000, according to Franz. Crandall said DoE-OFE is preparing one. The consensus of the ExCom is that the Interdivisional and Public Affairs Committee should develop a concrete proposal for a brochure by the next ExCom meeting in April.

APS Affairs—Lustig

APS is doing well financially and has about one year of reserve funds invested. Unfortunately, most APS income derives from journal subscriptions. Library budgets are under pressure and the impact of electronic publishing (EP) is uncertain. EP might eliminate the role of societies as publishers. The main value added provided by APS is refereeing. The high-energy physics area now publishes preprints on the INTERNET, and readers comments are appended at the end of papers.

Sleeping Room Rates—Crandall

Crandall was asked by DoE to request more sleeping rooms at government rates. DoE employees are under pressure to not ask for the 150% exemption for a conference hotel. Crandall said it is possible to find other hotels that have government rates, so couldn't DPP advertise them? Scanlan replied that APS gave up government rates at the Hyatt in Minneapolis so that other hotel sleeping room rates could be lowered, and the hotel contract does not allow advertising of hotels that are not in our block of contracted sleeping rooms.

Ripin received several letters from individuals and the Director of PPPL stating a similar complaint. Ripin had already asked Scanlan to investigate the trade-off between obtaining lower sleeping room rates by paying more for food service and meeting space out of increased registration fees for the 1994 site and for Louisville in 1995.

Scanlan explained that a hotel expects a certain amount of revenue from a meeting at a given time in the year. This amount can be divided between sleeping room rates and meeting space rates. So, DPP could pay more for the meeting space and less for sleeping rooms.

MOVED (Ripin, Liewer): DPP should raise registration fees for the 1995 Louisville meeting enough so that sleeping room rates will be within reach of authorized government rates. The **motion** passed.

1994 Annual Meeting in Minneapolis—Ripin, Ernie, Scanlan

The number of papers and attendees is slightly above last year. The Program Committee introduced numerous innovations. The Division of Computational Physics (DCP) Aneesur Rahman Award and DCP Fellowships are being presented at the meeting. Review talks have been moved 15 minutes earlier to allow a 15-minute conflict-free coffee break before the Invited and Poster Sessions. DPP produced a poster to advertise the meeting rather than an ad in Physics Today. A designated lounge area has been set for informal discussion. A Computer Exhibit on Tuesday, November 8, was organized by Douglas Ernie.

DPP pays APS \$25K for the services of the APS Meetings Department. This covers help with the site selection process, contract negotiations, and interfacing with the hotel at the meeting. Scanlan wants to be sure DPP feels that this is money well spent and members of the ExCom feel that the Meetings Department has provided good services. He recommended that the full spectrum of services and the division of responsibilities among the DPP, Local Arrangements Committee, and the APS be reviewed.

1995 Annual Meeting in Louisville—Rome, Scanlan

The DPP Louisville meeting will be at the Galt House Hotel, which is on a river in Louisville, Kentucky. The sleeping room rates will be \$80 single, \$90 double in the old section of the hotel and \$10 more for each sleeping room in the new section. These rates assume that we do not adjust the room rates as suggested in the earlier motion. The government authorized rate for Louisville is currently \$60 for sleeping rooms. Reducing the rates from \$85 to \$55 (with a 10% tax) means that registration fees would have to be increased to about \$150 to make up the difference. Louisville is a good site to test this rate concept since everyone can easily fit into the hotel and there are not any other nearby hotels. A decision on this issue will be made prior to the 1995 Annual Meeting announcement.

1999 Annual Meeting—Liu, Scanlan

The DPP Site Selection Committee, consisting of Liu and Sweeney, considered Boston, Atlanta, Montreal, Austin and Seattle. The Committee prefers Boston, Seattle, and Montreal. The ExCom felt that, since government foreign travel rules are uncertain, we cannot risk traveling out of the country without further investigation. The Westin in Seattle offered \$99 sleeping room rates in 1999 (current government rate is \$79). Boston was more expensive.

MOVED (Post, Liewer): The 1999 DPP Annual Meeting shall be at the Westin in Seattle. The **motion** passed unanimously.

How to Alter the DPP Meeting Format—Drake

Drake noted that the DPP Annual Meeting should span all of plasma physics and not just fusion. Non-fusion plasma physicists find that they cannot obtain a review of recent progress in plasma physics in a short time span and do not see the point of listening to 4 1/2 days of tokamak talks. Drake suggested that Wednesday and Thursday be devoted to non-fusion plasma physics.

Rome pointed out that this scheme would prevent splitting the invited sessions. Also, fusion researchers would use these days as an opportunity to hold satellite meetings and the non-fusion research might be ignored by them.

MOVED (Shohet, Liewer): The Program Committee form a program that concentrates on non-fusion research into two days, preferably Wednesday and Thursday. The **motion** was defeated.

Ripin suggested that the Program Committee consider a method to enhance the participation of non-fusion areas and make these papers more visible.

APS Executive Office—Franz

APS now has three offices. About 100 staff in Brookhaven produce the journals, about 50 are at the new APS headquarters in College Park, Maryland, and three are in the Washington Public Affairs office. There are five physicists among the APS headquarters staff: Lustig, Franz, Lerch, Baggett, and Lopez. APS has an Information Services Section and the Maryland headquarters is now connected to the INTERNET. APS has a World Wide Web server online, and APS can now send email to members. A Forum on Industrial and Applied Physics has been approved by Council.

Ramon Lopez, the APS Director of Education and Outreach, discussed his efforts. A Campaign for Physics aims to link teachers and scientists, with an emphasis on elementary education.

Councillor's Report—Fowler

The Council passed statements on support for (1) the National Labs, (2) protesting the anti-science exhibits at the Smithsonian Institution, and (3) a memorandum of understanding that the Chinese signed.

The 1999 APS Spring Meeting will celebrate the APS Centennial in Atlanta.

The Chair thanked Ken Fowler for his excellent service as Councillor.

Nominations—Kruer

We need new nominations for all of our prizes and awards. Don't assume that there are many nominations left from previous years.

MOVED (Manheimer, Post): The ExCom recommends to the Nominating Committee that, unless there are exceptional circumstances, people nominated for the ExCom should be members of the APS for at least five years. The APS membership can be regular, student, unemployed, retired, or whatever category is set up by the APS. [Note: The present rule in the DPP Bylaws is a two-year DPP membership requirement.]

AMENDMENT (Post, Langdon): Exempt students from the five-year rule. The **motion** and **amendment** failed.

MOVED (Manheimer, Post): The ExCom recommends to the Fellowship Committee that, unless there are exceptional circumstances, people selected for APS Fellow should be members of the APS for at least five years. The APS membership can be regular, student, unemployed, retired, or whatever category is set up by the APS. The **motion** failed.

Human Rights—Ripin (for Finn)

Andy Sessler was awarded the first Nicholson Medal and will give a talk at the Human Rights session.

Publications—Goldman, Ripin

Brant Johnson is no longer in charge of Plasma Physics submissions at Physical Review Letters. Jerome Malenfant is his replacement. The Publications Committee is suggesting names for a new Division Associate Editor for Physical Review Letters. Physics of Plasmas has reduced the turnaround time for submitted manuscripts to 3.4 months. Post, who attended an APS meeting on electronic publishing, will succeed Goldman as head of the DPP Publications Committee.

E.B. Hooper "Who is the target of our draft statement on Fusion Energy and Plasma Physics?" Answer: The first task of the committee that will put a proposed outline together is to formulate a strategy for whom to direct such a statement.

J.R. Roth "Can we get a map of cheap hotels near the meeting site?" Answer: Not according to our contract with the conference hotel.

B. Coppi "Can we form a Committee on Plasma Astrophysics?" Answer: DPP will look into increasing the plasma astrophysics profile at our Annual Meeting.

A. Wong "Can we use some of our DPP money for scholarships to our meetings?" Answer: DPP will explore this suggestion.

The committee Chairs gave their reports.

H. Weitzner commented that he missed the presence of book exhibits at the Computer Exhibit. Next year's Local Chair (Rome) will look into book exhibits.

B. Coppi raised the issue of poor refereeing of plasma physics articles in Physical Review Letters. The Publication Committee has looked into this and found that most people were satisfied with the treatment of their manuscript.

New Business

Roth said that session chairs did not leave enough time at invited and review sessions for questions from the floor. He felt that this is an important part of the meeting and that questions on the floor are different from questions at the poster session.

Wong said our physics colleagues are often ignorant of plasma physics. Coppi agreed that we need to be better represented at the APS Spring Meeting in Washington. Derek Boyd commented that fusion news always gets out but basic plasma physics results do not.

Roth deplored the tendencies in recent years to publish by press conference rather than in refereed journals. He claimed that incorrect results were released to the press about many experiments including ZETA, TEXT, PLT, cold fusion, and TFTR. Prager replied that we have too few press conferences, not too many.

Kruer thanked the officers and Saralyn Stewart for their help over the past year. He also thanked the retiring members of the ExCom: Manheimer, Langdon, and Liewer, and our Councillor, Fowler.

The appointments of office were then passed from Bill Kruer to the next Chair, Barrie Ripin. Ripin thanked Kruer for his excellent service. Framed posters of the meeting announcement were presented to Kruer, Prager, and Ripin. Saralyn Stewart and Douglas Ernie, Local Arrangements Chair, were also awarded framed posters.

The meeting was adjourned at 6:28 PM.

Respectfully submitted,

James A. Rome

Acting Secretary-Treasurer. ☼

APS-Division of Plasma Physics Fellows

(December 31, 1994 - Total of 421)

Aamodt, Richard E	Anderson, John M	Bachynski, Morrel P	Bederson, Benjamin
Ahluwalia, H S	Anderson, Oscar A	Baker, Don A	Bekefi, George
Alexeff, Igor	Antonsen, Thomas M	Baldis, Hector Alberto	Bellan, Paul Murray
Ali, Abdul W	Arons, Jonathan	Baldwin, David E	Berk, Herbert L
Albritton, James R	Arunasalam, V	Barnes, Daniel Charles	Berkner, Klaus H
Allen, John Edward	Auer, Peter L	Basbas, George	Bernabei, Stefano
Anderson, David V	Aydemir, Ahmet Y	Batchelor, Donald B	Bernhardt, Paul Alan

Berning, Warren	Dimarco, Joseph N	Griem, H R	Kalman, Gabor
Bernstein, Ira B	Dimock, Dirck L	Groebner, Richard	Kammash, Terry
Bers, Abraham	Dorning, John J	Joseph	Kapetanakos, Christos A
Bershader, Daniel	Dougal, Arwin A	Gross, Robert A	Karney, Charles F F
Bhattacharjee, Amitava	Dragt, Alex J	Grove, D J	Kaufman, Allan N
Birdsall, Charles K	Drake, James Frederick	Grun, Jacob	Kellogg, Paul J
Birmingham, Thomas J	Drake, R Paul	Grunder, Hermann A	Kesner, Jay
Bitter, Manfred Ludwig	Dreicer, Harry	Guest, Gareth E	Kilb, R W
Bodner, Stephen E	Driscoll, Charles Fred	Gurnett, Donald A	Kilkenny, Joseph David
Bollinger, John Jacob	Drobot, Adam T	Guzdar, Parvez N	Killeen, J
Book, David L	Drummond, William E	Haan, Steven W	Kim, Yong Wook
Boozer, Allen Hayne	Dubin, Daniel H E	Hammer, David A	Kindel, J M
Boris, Jay Paul	Dubois, Donald F	Harker, K J	Kolb, A C
Boyd, Derek A	Dunlap, Julian L	Harries, W L	Krall, Nicholas A
Brackbill, Jeremiah U	Dupree, Thomas H	Harris, E G	Krimigis, S M
Briand, Jean Pierre	Efthimion, Philip C	Harris, Jeffrey H	Kristiansen, Magne
Briggs, Richard J	Ehlers, Kenneth W	Hartman, C W	Krommes, John A
Bruch, Reinhard F	Eisner, Melvin	Hasegawa, Akira	Kruer, William L
Burrell, Keith H	Eliezer, Shalom	Hassam, Adil B	Kulsrud, Russell M
Buti, Bimla	Elton, Raymond C	Hatch, A J	Kundu, M R
Callen, James D	Estabrook, Kent	Hauer, Allan	Kunkel, Wulf B
Carreras, Benjamin A	Eubank, Harold P	Hawryluk, Richard	Kushner, Mark Jay
Cary, John Robert	Finn, John M	Hazeltine, Richard D	Lampe, Martin
Catto, Peter J	Fisch, Nathaniel J	Hebel, L Charles	Langdon, A Bruce
Chan, Vincent Sikhung	Fleischmann, Hans	Herrmannsfeldt, W B	Lanzerotti, Louis J
Chance, Morrell S	Fliflet, Arne Woolsey	Hershkowitz, Noah	Lao, Lang Li
Chang, Tien Sun	Fonck, Raymond John	Hewett, Dennis W	Lau, Yue-Ying
Chen, Francis F	Forsen, Harold K	Hickok, Robert L	Lazar, Norman H
Chen, Liu	Forslund, David W	Hinton, Frederick L	Leach, Sydney
Cheng, Chio Zong	Fowler, C M	Hirose, Akira	Leboeuf, Jean-Noel
Chu, Kwo Ray	Fowler, Thomas K	Hirshfield, J L	Lebowitz, Joel L
Chu, Ming Sheng	Frank, Louis Albert	Hiskes, J R	Lee, Edward P
Coensgen, Frederic H	Freidberg, Jeffrey P	Hogan, J T	Lee, Kenneth
Coffey, Timothy P	Fried, Burton D	Holdren, John P	Lee, W W
Cohen, Bruce Ira	Friedland, Lazar	Hooper, E B	Lehmberg, Robert H
Cohen, Ronald H	Frieman, Edward A	Hooper, C F	Lessen, Martin
Cohen, Samuel A	Fuchs, Vladimir	Horton, C W	Leung, Ka-Ngo
Conn, Robert W	Furth, H P	Hosea, Joel C	Lewis, H Ralph
Cooper, William S	Gardner, John Herbert	Hsuan, Hulbert C S	Liang, Edison P
Cooperstein, Gerald	Gardner, A L	Huba, Joseph D	Lichtenberg, Allan J
Coppi, Bruno	Gerwin, Richard A	Hulse, Russell A	Lieberman, Michael A
Coroniti, Ferdinand V	Godfrey, Brendan B	Humphries, Stanley	Liewer, Paulett Creyke
Correll, Donald L	Godyak, Valery	Hutchinson, Ian Horner	Lin, Anthony T
Crandall, David H	Golden, Kenneth Ivan	Ichimaru, Setsuo	Lindl, John D
Davidson, Ronald C	Goldenbaum, George C	Isler, Ralph C	Linford, Rulon K
Davis, Jack	Goldman, Leonard M	Jacobs, Verne L	Litvak, Marvin M
Dawson, John M	Goldman, Martin V	Jarboe, Thomas R	Liu, Chuan Sheng
De Groot, John S	Goldston, Robert James	Jardin, Stephen Charles	Logan, Grant
Decyk, Viktor K	Gottlieb, Melvin B	Jassby, D L	London, Richrd A
Denavit, Jacques	Gottscho, Richard Alan	Jensen, T H	Lonngren, Karl E
Desilva, Alan W	Gould, Roy W	Johnson, Roy R	Loyalka, Sudarshan K
Destler, William W	Granatstein, Victor L	Johnson, John L	Luhmann, N C
Dewar, Robert L	Grebogi, Celso	Johnston, T W	Lyon, James F
Dewitt, Hugh E	Greene, J M	Jokipii, J R	MacKenzie, Kenneth R
Dexter, Richard N	Gregory, B C	Joshi, Chandrashekhar	Manheimer, Wallace M
Diamond, Patrick Henry	Grieger, Gunter	Joyce, G R	Marshall, Thomas C

Martin, William C	Ott, Edward	Seidl, Milos	Taylor, J B
Martinson, Indrek	Ottinger, Paul Francis	Seka, Wolf	Taylor, R J
Mason, Rodney J	Overskei, David O	Sen, Amiya K	Taylor Tony S
Matthews, Dennis L	Palmer, Robert B	Sessler, Andrew M	Temkin, Richard J
Max, Claire E	Papadopoulos, K	Shanny, Ramy A	Terry, Paul Willis
Mayer, Frederick J	Parker, Robert K	Shapiro, Vitali	Thode, Lester E
Mazzucato, Ernesto	Parker, Ronald R	Sheffield, John	Thompson, W B
McCrary, Robert Lee	Patel, Vithalbhai L	Sherwood, Arthur R	Tidman, Derek A
McFarland, Robert H	Paulikas, George	Shkarofsky, Issie P	Trivelpiece, Alvin W
McGuire, Kevin M	Pearlstein, L Donald	Shohet, Juda L	Troyon, Francis
Mead, William C	Pécseli, Hans L	Siemon, Richard E	Tsai, Shih Tung
Meade, Dale M	Perkins, Francis	Sigmar, Dieter J	Turner, William C
Meiss, James Donald	Phillips, James A	Silfvast, William T	Tuszewski, Michel G
Miley, George H	Pinkau, Klaus	Simon, Albert	Tzoar, N
Milora, Stanley L	Pomraning, Gerald C	Simonen, Thomas C	Valeo, Ernest J
Mima, Kunioki	Porkolab, Miklos	Skupsky, Stanley	Van Dam, James W
Moir, Ralph W	Post, Richard F	Soures, John M	Van Hoven, Gerard
Montgomery, David C	Post, Richard S	Sprangle, Phillip Allen	VanDevender, J Pace
Month, Melvin	Post, Douglass E	Sprott, J C	Von Goeler, S E
Monticello, Donald A	Poukey, James W	Srivastava, Santosh K	Wakatani, Masahiro
Moos, H Warren	Powers, Linda S	Stacey, Weston M	Walsh, John E
Morales, George J	Prager, Stewart Charles	Stambaugh, Ronald D	Waltz, Ronald Edward
Morrison, Philip J	Prater, Ronald	Stamper, John A	Ware, Alan A
Morse, Richard Lee	Reiman, Allan	Stern, Raul A	Weisheit, Jon C
Mosher, D	Reiser, Martin P	Stix, Thomas H	Weitzner, Harold
Mozer, Forrest	Reshotko, Eli	Stodiek, Wolfgang	Wharton, Charles B
Murakami, Masanori	Rhoades, Clifford E	Strachan, James Douglas	Whealton, John H
Nakai, Sadao	Ribe, Fred L	Stratton, Thomas F	White, Roscoe B
Nation, John A	Ride, Sally Kristen	Stuart, George W	Wilcox, Thomas J
Navratil, Gerald A	Ripin, Barrett H	Sturrock, Peter A	Williams, Edward Aston
Nevins, William M	Robson, A E	Suckewer, Szymon	Wineland, David J
Nishida, Yasushi	Rome, James A	Sudan, R N	Winske, Dan
Nishihara, Katsunobu	Rosen, Mordecai David	Surko, Clifford M	Wong, Alfred Y
Nuckolls, John H	Rosenbluth, Marshall N	Suydam, B R	Wong, Henry Vernon
O'Neil, Thomas M	Ross, David W	Swain, David W	Wong, King-Lap
Obenschain, Stephen P	Rostoker, Norman	Swanson, D Gary	Yoshikawa, Shoichi
Ohkawa, Tihiro	Rutherford, Paul H	Symon, Keith R	Zarnstorff, Michael C
Okabayashi, Michio	Rynn, Nathan	Tajima, Toshiki	Zaslavsky, George M
Okuda, Hideo	Sampson, Douglas H	Tamano, Teruo	Zorn, Gus T
Oleson, Norman L	Schmidt, John A	Tamor, Stephen	Zweben, Stewart J
Ono, Masayuki	Schmidt, George	Tang, William M	Zweibel, Ellen Gould
Oskam, Hendrik	Schnack, Jr, Dalton D	Tang, Cha-Mei	
Ossakow, Sidney L	Schulz, Michael	Tataronis, John A	