

1978 III

The American Physical Society

Division of Electron and Atomic Physics

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October 1978

To MEMBERS OF THE DEAP from Tom Miller

I. ELECTIONS

A ballot is enclosed for the election of one person to serve on the Executive Committee and one person to serve as Division Councillor. Use the enclosed envelope and sign your name on the upper left-hand corner of the envelope and return it to me by 13 November 1978. The 1979 Executive Committee will consist of:

Eugen Merzbacher, chairperson
Eugene Rudd, vice-chairperson
Tom Miller, secretary-treasurer
Neal Lane, most recent past chairperson
King Walters, division councillor (until 4-79)
Richard Deslattes, elected member (until 12-79)
Daniel Kleppner, elected member (until 12-80)

In addition, there will be one newly elected member of the Executive Committee, and the chairperson may appoint two other persons to serve on the Committee.

II. THE PHYSICAL REVIEW A

Benjamin Bederson of New York University has been named Editor of The Physical Review A. He has asked the DEAP to comment on any aspect of the journal and its relation to the DEAP community. If you wish to influence the response you should write to the Chairperson of the DEAP Publications Committee, Ron Geballe (201 Administration Bldg. Ag-10, Graduate School, University of Washington, Seattle, WA 98195). Geballe will discuss these matters with the Executive Committee in Madison.

III. DEAP FELLOWSHIP COMMITTEE

Bernd Crasemann of the University of Oregon has been named Chairperson of the DEAP Fellowship Committee. Nomination forms for fellowship in the APS may be sent either through regular APS channels or directly to Crasemann at the Physics Department, University of Oregon, Eugene, OR 97403.

IV. MEMORIAL FUNDS

Memorial funds have been established for two prominent members of our community who have died in the past year, Herb Broida and Leonard Loeb. A letter from faculty members at the University of California at Santa Barbara is attached describing the Herbert P. Broida Memorial Fund.

Prof. Loeb died at age 86 in June. He was on the physics faculty at UC Berkeley for 36 years prior to his retirement in 1958 and was active in research there for 55 years altogether. He supervised the thesis research of 60 graduate students at Berkeley. A fund to support graduate students, the Leonard B. Loeb Memorial Fund, has been started at the Physics Department, University of California, Berkeley, CA 94720.

V. TENTH ANNUAL DEAP MEETING

The tenth annual meeting of the DEAP will be held in Madison, Wisconsin on 29 November - 1 December 1978. All scientific sessions will be held at the Wisconsin Center,

702 Langdon St. The participants will be housed at the Wisconsin Center Guest House, the Madison Inn, the Town and Campus Motel, and the Howard Johnson's Motel. All of the above hotels are within easy walking distance of the Wisconsin Center. Participants are urged to make their reservations early. A block of rooms has been reserved for the conference for which requests must be received by 6 November 1978. Taxi and limousine service is available at the Madison Airport. Registration will take place in the lobby of the Wisconsin Center from 6 pm to 8 pm on Tuesday 28 November and throughout the conference.

The registration fee will be \$18 up to 6 November and \$25 thereafter. The fee for unsupported students and unemployed is \$3. Preregistration and hotel reservation forms are attached to this newsletter. Messages may be left at the message board in the registration area and long-distance telephone calls for attendees should be directed to the registration desk of the Wisconsin Center (608-262-1122).

The average daily high and low temperatures in Madison during late November are 35°F and 19°F respectively. The chances of precipitation are about 20%.

On Tuesday evening from 7 pm to 9 pm there will be an informal reception with beer and snacks. The traditional banquet will be held on Thursday 30 November 1978 at 7 pm at the Wisconsin Center Guest House. The banquet will be preceded by a cash bar. The cost of the banquet is \$10.

The program committee has decided to have one poster session during this meeting. Beer will be served to enhance the informal atmosphere.

The DEAP meeting has not had a provision for post-deadline papers in the past. On Wednesday evening we will be trying an informal discussion session with post-deadline posters. Anyone may bring late-breaking or missed-deadline results to this session. Beer will again be served to improve discussion. Dr. Ednor Roe will be available at the Wednesday evening session for discussions of the Electron Storage Ring at the Physical Sciences Laboratory. This facility is completely dedicated for use as a synchrotron radiation source.

The Annual Business Meeting will be held in the Historical Society Auditorium at 11 am on Thursday, 30 November. The meeting will be conducted by Neal Lane as Retiring Chairperson. The officers nominated for 1979 are Eugen Merzbacher (chairperson), Eugene Rudd (vice-chairperson), and Tom Miller (secretary-treasurer).

The Program Committee has consisted of Wilmer Anderson, Jim Bayfield, Herb Broida, John Delos, Gordon Dunn, Chaoul Ezekial, Fred Fehsenfeld, Rick Freeman, Bob Hill, Bobby Junker, Karl Kessler, Neal Lane, Mike Lubell, Joe Macek, Richard Marrus, Earl McDaniel, Harold Metcalf, Terry Miller, Tom Miller, Frank Pipkin, Arthur Rich, Fred Schlachter, Steve Smith, Win Smith, and Henry Stroke. The symposia for this meeting and the names of the organizers and speakers are listed below. Contributed papers will be given in parallel sessions and a 35 mm projector and an overhead projector will be available in each room. Anyone requiring special equipment should contact Wilmer Anderson at the Physics Department of the University of Wisconsin as soon as possible.

With the large number of papers some conflicts are inevitable. Persistent complainants may face the traditional sentence of a term on the Program Committee. The sessions were arranged by Roberta Saxon, Bob Hill, and Tom Miller.

The DEAP is indebted to Wilmer Anderson and Chun C. Lin for the excellent preparation work. We also express our appreciation to the University of Wisconsin for acting as host for the meeting, and to the staff of the Wisconsin Center.

The symposia for this meeting are:

Negative Ion Collisions (C. F. Barnett, presiding)

- A. S. Schlachter: D^- production by charge-transfer collisions in metal-vapor targets.
- R. L. Champion: Collisional detachment of negative ions for collision energies around threshold.
- L. W. Anderson: Production of fast neutral D^0 or H^0 atoms by the stripping of D^- or H^- ions in the energy range 25-200 keV.

- R. E. Olson: Collision mechanisms of H^- formation and destruction.
 E. B. Hooper, Jr.: Atomic physics effects in negative ion beams for controlled fusion.

Electron Affinities and Negative Ion Stabilities (F. C. Fehsenfeld, presiding)

- W. C. Lineberger: Laser photodetachment spectroscopy of small negative ions.
 J. T. Moseley: Photon interactions with molecular negative ions.
 T. O. Tiernan: Applications of ion beam experiments for determination of electron affinities and other thermochemical data.
 D. L. Albritton: Determination of electron affinities from ion-molecule reactions.
 W. A. Goddard: Theoretical studies of electron affinities.

Advances in Theory (B. R. Junker, presiding)

- J. N. Bardsley: The application of complex coordinates in atomic collision theory.
 M. H. Mittleman: Free-free transitions in the field of a low frequency laser.
 W. P. Reinhardt: Critical point analysis of the onset of classical stochastic trajectories.

Applications of Nonlinear Optics and Picosecond Pulses to Atomic Physics (R. R. Freeman, presiding)

- C. V. Shank: Spectroscopy with sub-picosecond pulses.
 J. N. Eckstein: Doppler-free high resolution spectroscopy using picosecond pulses.
 S. C. Wallace: Nonlinear optics and laser spectroscopy in the vuv.
 G. C. Bjorklund: Laser detection and excitation of atomic hydrogen.

Molecular Dissociation and Isotope Separation (J. H. Birely, presiding)

- J. R. McDonald: Multiphoton vacuum ultraviolet photodissociation processes using excimer lasers.
 C. Wittig: Energy partitioning in laser induced unimolecular reactions.
 D. O. Ham: Modelling multiple photon absorption by polyatomic molecules: What can be deduced from experiments?
 H. W. Galbraith: Vibrational analysis of SF_6 spectra and implications for collisionless multiple photon excitation modelling.

Electron-Molecule Scattering: Chun C. Lin will lead off a session on electron-molecule scattering with an invited talk entitled, "Theoretical calculations of electron-impact excitation of electronic states and dissociation of diatomic molecules."

NSF: Bailey Donnally will speak at the Business Session on the results of the work of the subcommittee he chaired which reviewed the Atomic, Molecular, and Plasma Physics Program of the NSF.

VI. OTHER MEETINGS

APS General Meeting, New York, 29 January - 1 February 1979. The DEAP is sponsoring the following symposia.

1. "Advances in laser technology," organized by Earl McDaniel.
2. " H_2-D_2 ," organized by Charlie Rhodes.
3. "Fundamental advances in atomic physics," organized by Arthur Rich.

APS General Meeting, Chicago, 19-22 March 1979. The DEAP is sponsoring two symposia.

1. "Atoms and molecules in flames and plasmas," organized by Terry Miller.
2. "Surface physics," organized by Bob Celotta.

APS General Meeting, Washington, DC, 23-26 April 1979. The DEAP is sponsoring three symposia.

1. "Polarization and coherence," organized by Mike Lubell.
2. "Radiation damped cooling of ions and molecules," organized by Gordon Dunn.
3. "Herbert P. Broida memorial," organized by Harold Metcalf and David Lide, sponsored jointly with the Division of Chemical Physics.

Fifth Conference on Application of Small Accelerators, Denton, Texas, 6-8 November 1978. The purpose of the conference is to review current research and the wealth of industrial applications that are in progress with accelerators whose terminal voltages are, for the most part, less than 10 MeV. The conference is composed of two symposia which run in

parallel. These are the Research Symposium and the one on Industrial Applications of Small Accelerators. Some of the sessions which are of general interest will be held common to both groups. Participants can easily interchange between the two symposia. Invited papers will be given and contributed papers accepted in the following areas: Atomic physics and related phenomena, trace and surface analysis with ion beams, electron beam processing, nuclear physics, CTR and surface phenomena, neutron activation analysis and bulk analysis with accelerators, radiological safety aspects of accelerators, ion implantation with particular emphasis on solar cell development, geosciences and related phenomena, accelerator and component design and automation, medical applications with accelerators, biological and chemical applications, material analysis with ion beams, channeling, stopping power and radiation effects. Further information, application blanks, and other conference information can be obtained by writing the conference secretaries: Research Symposium - Jerome L. Duggan, Dept. of Physics, North Texas State University, Denton, TX 76203; Industrial Application Symposium - I. L. Morgan, Balcones Research, 10100 Burnet Rd., Austin, TX 78758. The deadline for contributed papers has passed.

Second Topical Conference on Atomic Processes in High Temperature Plasmas, JILA, Boulder, CO, 17-19 January 1979. The purpose of the conference is to bring together both atomic and plasma theoreticians and experimentalists to review and discuss atomic processes occurring in high temperature plasmas such as concern solar physics, astrophysics, the interstellar medium, and the controlled thermonuclear research program. Some of the topics to be emphasized are atomic structure of highly ionized atoms; transition probabilities and lifetimes; electron, photon, and heavy ion collisions; particle and radiative transport; and plasma modeling. We encourage participation of the "user" as well as the "producer" communities. The program will consist of both invited and contributed papers. It is the intention of the organizing committee to accept all but irrelevant papers, and to avoid parallel sessions. Contributed papers may be presented in poster-session format. Abstracts of all papers actually presented at the meeting will be published in the Bulletin following the meeting. Therefore, submitted abstracts must conform to rules for same given in the Bulletin. In the interest of making the meeting as timely as possible, the deadline for receipt of abstracts will be 1 December 1978. Those desiring registration materials and additional information should contact the Local Chairmen, D. W. Norcross and G. H. Dunn, JILA, University of Colorado, Boulder, CO 80309.

VII. REVISION OF THE DEAP BYLAWS

The DEAP Bylaws are now ten years old and certain changes are required to make them consistent with the new APS Constitution. In addition, several other changes are recommended. A copy of the tentative document is given below and the changes are pointed out following the text. Opportunity will be given for discussion at the Business Meeting in Madison at 11 am on 30 November 1978. Voting on some or all of the changes may take place at the Business Meeting.

Revised 1 October 1978; tentative

BYLAWS OF THE DIVISION OF ELECTRON AND ATOMIC PHYSICS OF THE AMERICAN PHYSICAL SOCIETY

(In the following text, "Society" signifies the American Physical Society; "Council" signifies the Council of the Society; "Annual Meeting" signifies the Annual Meeting of the Society; and "Regular Meeting" the principal meeting held once a year by the Division.)

ARTICLE I. NAME

The Division shall be called "The Division of Electron and Atomic Physics of the American Physical Society".

ARTICLE II. OBJECTIVE

The object of the Division shall be the advancement and diffusion of knowledge regarding the electron, atoms, and simple molecules. The scope of this Division shall comprise the fundamental principles of electron and atomic physics, physical phenomena involving electrons, ions, atoms, and simple molecules, including their interaction with the electromagnetic field, and the application of these principles or phenomena.

ARTICLE III. ENABLING CONSTITUTIONAL PROVISION

Article X of the Constitution of the Society, as revised in 1976, and as said Article may be subsequently revised or amended, is hereby incorporated in these Bylaws, by reference.

ARTICLE IV. MEMBERSHIP

The members of the Division shall consist of members of the Society who have indicated, in accordance with procedures established by Regulation of the Council, their desire to join the Division and retain membership from year to year, and who pay the designated fees and dues.

ARTICLE V. OFFICERS AND EXECUTIVE COMMITTEE

1. The Officers of the Division shall be a Chairperson, a Vice-Chairperson, and a Secretary-Treasurer.
2. The Executive Committee shall consist of the Officers of the Division, the Most Recent Past Chairperson, the Division Councillor, three additional Elected Executive Committee Members, and not more than two Appointed Executive Committee Members. The Division Chairperson shall also be the Chairperson of the Executive Committee. The Executive Committee shall have general charge of the affairs of the Division.
3. The Executive Committee shall meet at least once each year. Any member of the Executive Committee unable to attend a meeting shall have the privilege of naming a representative to attend the meeting without vote, subject to the approval of the Chairperson. A quorum for the transaction of business shall consist of a majority of the members of the Executive Committee.
4. The Chairperson shall preside at all meetings of the Executive Committee at which the Chairperson's attendance is possible. The Chairperson shall appoint any committees, other than the Executive Committee, which are necessary to conduct the affairs of the Division, and shall act as a member of each committee, ex officio.
5. The Vice-Chairperson shall act as Chairperson if the latter is unable to perform the duties of the office. The Vice-Chairperson shall be the Chairperson of the Program Committee.
6. The Secretary-Treasurer shall keep the Council and Executive Secretary of the Society informed of the activities and needs of the Division. The Secretary-Treasurer shall, throughout the year, if and when necessary, notify the Executive Committee of matters requiring the decision of said Committee. The Secretary-Treasurer shall notify all members of meetings of the Division at least 15 days before the date of each meeting, and assist the Program Committee appointed by the Chairperson in arranging the details of each meeting. The Secretary-Treasurer shall prepare minutes of each meeting of the Executive Committee and each Business Session of the Division, and submit these minutes to each member of the Committee, and to the Executive Secretary within four weeks after each meeting.
7. The Secretary-Treasurer shall have responsibility for all funds in the custody, or placed at the disposal of the Division, and shall make disbursements from such funds in a manner approved by such officer of the Society as may be designated by Regulation of the Council. The Secretary-Treasurer shall make to the Executive

Committee an annual financial report which, after examination by auditors appointed by the Chairperson, shall be submitted to the Council.

8. The Division Councillor shall serve as liason between the Council of the Society and the Executive Committee of the Division. The Division Councillor shall report to the Executive Committee at the earliest possible time regarding Council actions that affect the status and operation of the Division.

ARTICLE VI. ELECTION AND TENURE OF THE EXECUTIVE COMMITTEE AND OFFICERS

1. Eligibility for Office. All members of the Society are eligible for any office of the Division. Elected Officers and Executive Committee Members must be members of the Division before assuming office.

2. Nomination and Election of Officers. Each year, not less than twelve weeks before the Regular Meeting of the Division, the Chairperson shall appoint three members of the Division to serve on a Nominating Committee. One additional member of this Nominating Committee shall be a member of the Division appointed by the Council. The Chairperson shall ascertain, through the Executive Secretary of the Society, the identity of this individual. The Secretary-Treasurer and the Executive Secretary shall be informed of the composition of the Nominating Committee. This Committee shall nominate one or more candidates for each of the officers and for the open elective position or positions on the Executive Committee, and shall notify the Secretary-Treasurer of such results not later than nine weeks before the Regular Meeting. The Secretary-Treasurer shall inform the Division members of the nominations made and shall invite these members to suggest candidates for the various offices and Executive Committee. If as many as five percent of the total Division membership suggests the same person for the same office, that person shall be deemed to have been nominated. If, as a result of both nominating processes, two candidates shall have been nominated for an office or for Executive Committee member, then the Secretary-Treasurer shall poll the Division membership by letter ballot, stating a closing date at least two weeks prior to the Regular Meeting. Election shall be by plurality of those voting. If there is a tie, the Chairperson shall decide the election. If there are no competing candidates, the nominees shall be declared elected at the Regular Meeting.

3. Not later than one week before the Regular Meeting of the Division, the Chairperson shall report to the Executive Secretary the results of the election of members of the Executive Committee and of the officers. The Secretary-Treasurer shall publish the results in a journal designated for official announcements, and in other suitable manner.

4. Elected Executive Committee Members. Each year one new Elected Executive Committee Member shall be elected for a term of three years. Should a vacancy have arisen since the previous election, an additional Elected Executive Committee Member shall be nominated and elected to fill out the unexpired term.

5. Appointed Executive Committee Members. Not more than two additional Executive Committee Members may be appointed by the Chairperson upon approval of the Executive Committee. Their term shall last only until the end of the next following Regular Meeting of the Division.

6. Division Councillor. The qualifications and term of office of the Division Councillor shall be as specified in Article VII of the Constitution of the Society, as revised in 1976, and as said Article may be subsequently revised or amended; which are hereby incorporated in these Bylaws, by reference. The Executive Committee shall make nominations for the Division Councillor position during the final year of the Division Councillor's term. The Secretary-Treasurer shall solicit additional nominations from the Division members, with the provision that each such nomination must be supported in writing by at least five percent of the total Division membership. If, as a result of both nomination processes, there is only one nominee, the nominee shall be declared elected at the Regular Meeting. Otherwise, the Secretary-Treasurer shall poll the Division membership by letter

ballot, stating a closing date at least two weeks prior to the Regular Meeting. Election shall be by plurality of those voting. If there is a tie, the Chairperson shall decide the election.

7. Limitations upon Succession in Office. The Chairperson shall not serve more than one consecutive term in office, excepting that portion of a term which the Chairperson may have served following a vacancy in the office, as provided for in Article VI, Section 10. The Vice-Chairperson may not serve more than one consecutive term in office. The Secretary-Treasurer may not serve more than three consecutive terms in office.

8. Official Year. In the usage of these Bylaws, the "year" shall be defined as extending from the close of one Regular Meeting to the close of the next Regular Meeting.

9. Terms of Office. The term of office of the Chairperson, Vice-Chairperson, and Secretary-Treasurer shall be one year. The term of office of the Most Recent Past Chairperson as a member of the Executive Committee shall be one year. The term of Elected Executive Committee Members shall be three years. The term of the Division Councillor as a member of the Executive Committee shall be the same as the term of the Division Councillor as a member of the Council as specified in the Constitution of the Society. The term of Appointed Executive Committee Members shall be one year. All terms shall begin and end at the close of the Regular Meeting, except for the term of the Division Councillor which is specified in the Constitution of the Society.

10. Filling of Vacancies. Should a vacancy arise among the officers or in the Executive Committee, the Chairperson may appoint, upon approval of the Executive Committee, a Division member to fill the vacancy. The Vice-Chairperson shall accede to the office of Chairperson in case of a vacancy in that office. The filling of a vacancy in the position of Division Councillor shall be as specified in the Constitution of the Society.

ARTICLE VII. APPOINTED COMMITTEES

1. The Chairperson, with the advice of the Executive Committee, shall appoint the aforementioned Nominating Committee, Executive Committee Members, and a standing Program Committee, consisting of at least three members, and the duties of which shall be as hereinafter specified. The Chairperson shall also appoint such other special committees as conditions may demand.

2. The personnel of all appointed committees, unless otherwise terminated, shall be considered to be automatically discharged at the close of the Regular Meeting of the Division next following the appointment and continuance of a former member on a committee shall be only by reappointment.

ARTICLE VIII. MEETINGS

1. At least one meeting of the Division, to be known as the Regular Meeting, shall be held each year at such time and place as shall be ordered by the Executive Committee, after consultation with the Executive Secretary. Whenever it shall be feasible, and not to the disadvantage of the members of the Division, the Committee may order this, or any other meeting to be held conjointly with a Regular Meeting of the Society, or of another society, conference, or group, so long as such joint meeting does not conflict importantly with the schedule of meetings of the Society.

2. The Division shall hold each year an Annual Business Session which shall be a session of the Regular Meeting. This Business Session shall be devoted exclusively to the reports of officers and committees, and the transaction of business affairs. No scientific program of the Division shall be presented simultaneously with the Business Session. A majority vote of those Division members present at the Business Session shall be sufficient for approval of actions. Division members must notify the Secretary-Treasurer at least three months prior to the Regular Meeting if they intend to move for a vote on any action other than resolutions. The Secretary-Treasurer shall notify the Division members of the agenda for the Business Session no later than three weeks prior to the Regular Meeting.

3. Meetings of the Division, other than the Regular Meeting, may be initiated by the Executive Committee or by petition of twenty percent of the members of the Division. Special conferences or symposia, when designated as being wholly or jointly sponsored by the Division, shall have the status of meetings.

ARTICLE IX. PROGRAMS

1. The aforementioned standing Program Committee shall have the responsibility of assisting the Executive Secretary, or a designee, in arranging the meetings of the Society. This activity shall include the scheduling of contributed papers within the areas of interest of this Division, as well as the arranging, in cooperation with the Executive Secretary, or his designee, of symposia and sessions of invited papers sponsored by the Division, for a meeting. The Program Committee, furthermore, shall undertake to invite, for designated meetings of the Division, the presentation of papers on the review of important research, and shall arrange the programs of such meetings.

2. Programs or meetings of the Division may provide for the inclusion of both invited and contributed papers. All papers contributed by members of the Society to a program of the Division held in conjunction with a meeting of the Society, and conforming to the required form and deadline date, must be accepted. The Secretary-Treasurer shall fix the deadline date for receipt of titles and abstracts, and shall designate the individual to whom they should be sent.

3. Arrangements for and conduct of Division meetings held separately from Society meetings shall be regulated by the standing Program Committee, subject to provisions of the Society Constitution and Council regulations.

ARTICLE X. FEES AND DUES

Fee, if any, for enrollment, and dues for maintenance of membership in the Division, shall be as established, from time to time, by Regulation of the Council.

ARTICLE XI. PUBLICATIONS

Official announcements shall be made in the Bulletin of the American Physical Society, and in other journals as the Executive Committee may direct.

ARTICLE XII. PROCEDURE OF AMENDMENT OF BYLAWS

Proposal of an Amendment to these Bylaws may be made by the Council, by the Executive Committee, or by a petition to the Chairperson, signed by not fewer than one-tenth of the members of the Division. The Secretary-Treasurer shall distribute copies of the proposed Amendment to all members of the Division not less than three weeks before the Regular Meeting, and opportunity shall be given for discussion during the Business Session. The Executive Committee may at its choice prescribe that the voting on the proposed Amendment be carried out at the Business Session, or by mail in the manner required for Amendments of the Constitution of the Society. The adoption of an Amendment shall require the affirmative votes of not fewer than two-thirds of the members voting. An amendment shall not go into force until approved by the Council.

NOTES

1. There have been many minor changes to eliminate masculine references, and these will not be pointed out specifically here, as they do not affect the intent of the various articles of the bylaws.
2. Article IV: A clause suggesting that prospective DEAP members make application to the Secretary-Treasurer has been deleted.
3. Article V, Section 2: This section has been rewritten to make the Division Councillor a full member of the Executive Committee. Previously, he could not vote.
4. Article V, Section 5: A sentence has been added which makes it mandatory that the

Vice-Chairperson chair the Program Committee.

5. Article VI, Section 1: A requirement that the officers be fellows of the APS has been dropped. A requirement that nominees be members of the DEAP at the time of nomination has been softened.
6. Article VI, Section 2: The language "...the Chairperson shall cast the deciding ballot" has been replaced with "...the Chairperson shall decide the election."
7. Article VI, Section 6: The method of nomination and election of the Division Councillor has been added to this section and is needed to replace provisions which have been deleted from the APS Constitution.
8. Article VI, Section 7: The limitations upon succession in office for the Chairperson and Vice-Chairperson have been clarified, and a new provision limiting the Secretary-Treasurer to three years in office has been added.
9. Article VI, Section 8: A new section analogous to one in the APS Constitution, which notes that a "year" in office may be somewhat longer or shorter than an actual calendar year.
10. Article VI, Section 9, last line: It is noted that the term of the Division Councillor is aligned with the APS Annual Meeting, not the DEAP Regular Meeting.
11. Article VIII, Section 2: Two sentences have been added requiring that prior notification regarding significant items to be brought up for a vote at the Business Session be given to the membership.

Please bring this copy of the Bylaws with you to the Business Session in Madison.

HERBERT P. BROIDA MEMORIAL FUND

University of California, Santa Barbara

Department of Physics, Santa Barbara CA 93106

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On April 9, 1978, Herbert P. Broida died in a hiking accident near Santa Barbara. With his untimely death the scientific community has lost an inspired leader, a dedicated teacher and a charismatic friend.

A group of his friends and colleagues throughout the world, believing that it is indeed fitting to honor his memory has decided to establish the Herbert P. Broida Memorial Fund with the purpose of supporting an American Physical Society Prize in his name or, failing this, to establish a graduate scholarship in the Department of Physics at the University of California, Santa Barbara. If the Broida Prize is instituted, it is proposed that it will be awarded periodically to a young researcher in the broad areas of electron, atomic, molecular and chemical physics.

As sponsors of the Memorial Fund we invite you to pay homage to the memory of Herbert Broida by contributing to the Fund. Our goal is to obtain \$20,000 which will provide an annual income of the order of \$1,500. The Fund is established with the University of California under all appropriate regulations. Your contribution should be made to the UCSB Foundation, Herbert P. Broida Memorial Fund and it will be tax deductible.

Please feel free to call any of us if you desire further information.

Sincerely,

For the sponsors:


Jose R. Fulco


Vincent Jaccarino


Harold W. Lewis