

1975 II

The American Physical Society

Division of Electron and Atomic Physics

BENJAMIN BEDERSON, *Chairman*
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TO MEMBERS OF THE DEAP from Chun Lin

REPORTS OF THE NOMINATING COMMITTEE

The nominating committee, appointed by Benjamin Bederson early this year, consists of Stanley Bashkin (University of Arizona), Richard D. Deslattes, Jr. (National Bureau of Standards), John T. Park (University of Missouri-Rolla), and G. King Walters (Rice University). The slate of candidates for the offices of chairman, vice-chairman, secretary-treasurer, and executive committeeman which they submitted is as follows:

<u>Chairman</u>	-Francis M. Pipkin Harvard University	(1 year)
<u>Vice-Chairman</u>	-George J. Schulz Yale University	(1 year)
<u>Secretary-Treasurer</u>	-Chun C. Lin University of Wisconsin	(1 year)
<u>Executive Committeeman</u>	-Jose D. Garcia, Jr. University of Arizona -Joseph H. Macek University of Nebraska -Harold J. Metcalf State University of New York at Stony Brook	(One to be elected for a three-year term.)

The above slate reflects the tradition that the current vice-chairman succeed to the chairmanship.

Under the Bylaws additional nominations, for any of the above offices, by members of DEAP, will be recognized and included on the ballot if the nomination is supported in writing by five per cent (83) of members. Such nomination duly signed, must reach the Secretary-Treasurer no later than September 1, 1975. In the absence of a contest for any given office, the relevant nominee will be declared elected. Ballots for contested offices will be mailed in about the latter part of September.

The remainder of the executive committee is as follows:

Benjamin Bederson (New York University) is currently chairman and will remain on the committee for one more year as Immediate Past Chairman, replacing Arthur Schawlow (Stanford). King Walters will continue to be a member of the committee as Divisional Councilor. The elected committeemen are Roy Garstang (JILA) until

12/75, Eugen Merzbacher (North Carolina) until 12/76, and Earl McDaniel (Georgia Tech) until 12/77. Serving one-year terms appointed by the chairman are Robert Celotta (NBS) and Ralph Nicholls (York University).

On behalf of the Division I would like to thank the Nominating Committee and the chairman, Stanley Bashkin, in particular for the effort required in contacting the nominees and securing the biographical information.

Vitae of the Nominees

PIPKIN, FRANCIS M., 47, B.A. 1950, Univ. Iowa. M.A. 1953, Ph.D. 1954, Princeton Jr. Fellow, Soc. of Fellows, 1954-7, Asst. Prof. 1957-60, Assoc. Prof. 1960-2, Prof. 1962-, Harvard. Procter Fellow 1953-4, Princeton. Sloan Fellow 1959-63. Fellow Am. Academy of Arts and Science. DEAP Executive Committee 1971. Chairman DEAP Nominating Committee 1971. National Academy of Sciences Committee on Atomic and Molecular Physics 1969-72. Program Advisor Stanford Linear Accelerator. Optical pumping, nuclear orientation, atomic beam studies of radioactive atoms, fast atomic beam spectroscopy. Also active in experimental elementary particle physics.

SCHULZ, GEORGE J., 50, B.S. 1949, M.S. 1951 Pennsylvania State University, Ph.D. 1954 M.I.T. Advisory Physicist 1954-1966 Westinghouse Research Laboratory. Prof. of Applied Science 1966- Yale University. Secretary 1963, Chairman 1969-70 Gaseous Electronics Conference. DEAP Executive Committee 1967-69. APS Davisson-Germer Prize 1966. Atomic and molecular collisions.

LIN, CHUN C., 45, B.S. 1951, M.A. 1952 Berkeley. Ph.D. 1955, Harvard. Asst. Prof. 1955-9, Assoc. Prof. 1959-63, Prof. 1963-8 University of Oklahoma. Prof. 1968- University of Wisconsin. Sloan Fellow 1962-6. Executive Committee 1969-74, Secretary 1972-3, Gaseous Electronics Conference. Electron excitation of atoms and molecules, atomic collisions, microwave spectroscopy, electronic structure of atoms in solids, band structure of solids.

GARCIA, JOSE D. JR., 39, B.S. 1957 New Mexico State University, M.A. 1959 University of California, Berkeley, Ph.D. 1966 University of Wisconsin. NASA Postdoctoral Fellow 1966-7 University of Pittsburgh. Asst. Prof. 1967-70, Assoc. Prof. 1970-5, Prof. 1975- University of Arizona. Fulbright Fellow 1957-8 Gottingen University. Research Officer, U.S. Air Force, 1960-3. NORDITA Fellowship 1972 Stockholm, Sweden. Consultant National Institute of Health, University of California Lawrence Radiation Laboratory Livermore, Ford Foundation. NSF Fellowship Selection Committee. Ion-atom collision theory, ionization and inner-shell vacancy production.

MACEK, JOSEPH H., 38, B.S. 1960 South Dakota State College, Ph.D. 1964 Rennsselaer Polytechnical Inst. -NRS Postdoctoral Fellow 1964-6 National Bureau of Standards. Postdoctoral Fellow 1966-8 Atomic Energy Research Establishment, Harwell, England. Asst. Prof. 1968-70, Assoc. Prof. 1970-3, Prof. 1973- University of Nebraska. Correspondent for "Comments on Atomic & Molecular Physics". Electron scattering theory, atomic collisions.

METCALF, HAROLD J., 35, B.S. 1962 M.I.T., Ph.D. 1967 Brown University. Postdoctoral Research Assoc. 1967-8 Brown University. Research Assoc. 1968-70, Asst. Prof. 1970-4, Assoc. Prof. 1974- State University of New York at Stony Brook. DEAP nominating committee 1974. SPS Bendix Award Committee. Atomic spectroscopy, precision measurements on simple atoms, time-resolved laser studies.

SEVENTH ANNUAL MEETING OF THE DEAP

The Seventh Annual Meeting of the Division of Electron and Atomic Physics will take place at the DOUBLETREE INN on 3-6 December 1975. In addition to the regular contributed papers, there will be symposia on the following topics (i) alkali-inert gas atom interactions, (ii) high Rydberg states, (iii) resonant multi-photon effects, (iv) light particle collisions, (v) current theoretical progress in heavy ion-atom collisions, (vi) ab initio theory of molecular processes. The local committee consists of Stanley Bashkin. The Department of Physics of the University of Arizona is acting as host; and the Vice-President for Research is kindly providing some financial assistance.

All scientific sessions will be held at the Doubletree Inn, 445 S. Alvernon Way, Tucson, Arizona 85711, and most participants will be housed there. Those participants who cannot be accommodated at the Inn will be placed in quarters at nearby hotels; housing arrangements will be made by the Inn. Rates at the Inn are \$19.00 single and \$24.00 double. Participants are strongly urged to make their hotel reservations early so that they can be given rooms at the Inn.

On Thursday, December 4, there will be an excursion to the Desert Museum and Old Tucson. At the latter, there will be a gun fight and a barbecue. The barbecue will serve as the banquet of the meeting. The total cost, including bus transportation, admission to two attractions, all you can eat and all the beer you can drink, will be \$15.50 per person (\$5.00 for the excursion and \$10.50 for the banquet). Another special event is the First DEAP Tennis Classic, open to all registrants at the meeting. There will be a small fee to pay for the balls and trophy. We are not certain as to whether there will be competition in doubles as well as singles.

Pre-registration will greatly facilitate the planning and functioning of the meeting. The registration fee will be \$18.00 up to 15 November and \$25.00 thereafter. The fee for unsupported students and unemployed is \$3.00. Please use the pre-registration form enclosed and indicate whether you plan to participate in the excursion and the First DEAP Tennis Classic.

The deadline for contributed papers is 12 September 1975. Abstracts for contributed papers (one original and two duplicates for each paper), conforming to the regulations described in the Bulletin of American Physical Society, should be sent to Professor F. M. Pipkin, Lyman Laboratory, Harvard University, Cambridge, Massachusetts 02138.

FOURTH INTERNATIONAL CONFERENCE ON BEAM-FOIL
SPECTROSCOPY AND HEAVY-ION ATOMIC PHYSICS SYMPOSIUM

The Fourth International Conference on Beam-Foil Spectroscopy and Heavy-Ion Atomic Physics Symposium will be held in Gatlinburg, Tenn. on 15-19 September 1975. The University of Tennessee and Oak Ridge National Laboratory will co-host the Conference. The Conference is scientifically sponsored by the APS (Division of Electron and Atomic Physics), the Optical Society of America, and the International Union of Pure and Applied Physics and is organized by the Committee: T. Andersen, S. Bashkin, I. Dmitriev, M. Dufay, R. Garstang, A. Gabriel, H. Hay, L. Heroux, I. Martinson, W. Meckbach, C. Moak, D. Pegg (Conference Secretary), F. Pipkin, I. Sellin (Conference Chairman), and W. Whaling.

The subject matter of the conference includes atomic structure and lifetimes, heavy-ion structure and collisions phenomena, astrophysics (including results of the Skylab experiments) alignment, fine and hyperfine structure, laser-ion beam interactions, laser induced plasma phenomena, plasma spectroscopy, and new instrumentation. A program consisting of approximately 75% contributed papers and 25% invited papers is anticipated. Four and one-half single daytime sessions are planned.

REVIEW OF NSF ATOMIC AND MOLECULAR PHYSICS PROGRAM

We wish to thank those DEAP members who sent me statements in connection with the review of the atomic and molecular physics program of the National Science Foundation by the NSF Advisory Panel on April 24, 1975. During the December 1975 DEAP meeting in Tucson, Ben Bederson will present a report on the highlights of the Advisory Panel review.