

The American Physical Society

Division of Electron and Atomic Physics

1976 III

FRANCIS M. PIPKIN, *Chairman*
Lyman Laboratory
Harvard University
Cambridge, Massachusetts 02138

GEORGE J. SCHULZ, *Vice-Chairman*
Mason Laboratory
Yale University
New Haven, Connecticut 06520

CHUN C. LIN, *Secretary-Treasurer*
Department of Physics
University of Wisconsin
Madison, Wisconsin 53706

To MEMBERS OF THE DEAP from Chun C. Lin

Contents

- I. EXECUTIVE COMMITTEE BALLOT (separate sheet), please vote promptly. Use the enclosed envelope and sign your name on the upper left-hand corner of the envelope.
- II. 1977 Executive Committee
- III. 1976 Annual Meeting

* * * * *

II. 1977 EXECUTIVE COMMITTEE

The executive committeeman position is being contested and details are on the accompanying ballot. The remainder of the committee is as follows:

One Year Term:

Chairman	-Stephen J. Smith (JILA)
Immediate Past Chairman	-Francis M. Pipkin (Harvard University)
Vice Chairman	-Neal F. Lane (Rice University)
Secretary-Treasurer	-Chun C. Lin (University of Wisconsin)

Divisional Councillor until Dec. 1978: G. King Walters (Rice University)

Executive Committeemen (terms expiring on the months indicated)

Earl W. McDaniel (Georgia Tech)	December 1977
---------------------------------	---------------

J. D. Garcia, Jr. (University of Arizona)	December 1978
---	---------------

In addition the chairman may appoint two committeemen for one-year terms.

III. 1976 Annual Meeting

The Eighth Annual Meeting of the Division of Electron and Atomic Physics will take place in Lincoln, Nebraska on 6-8 December 1976. All scientific sessions will be held at the Lincoln Hilton Hotel at 9th and P Streets and most participants will be housed there. Rates are \$18-26 for singles and \$24-32 for doubles. Participants are urged to make their reservations early. The hotel offers free shuttle service between the airport and the hotel. There is also taxi and limousine service available. Registration will be in the lobby of the hotel Sunday from 8 to 10 P.M. and during the conference.

The registration fee is \$18 up to 15 November and thereafter \$25. Unsupported students and unemployed may register for \$3. A Preregistration and Hotel Reservation form is enclosed herewith. 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 at the Lincoln Hilton Hotel (402-475-1977). Ask for the DEAP registration desk.

On Sunday evening participants of the meeting will be treated to free beer during registration (courtesy of the local committee members) at the hotel. On Monday evening, December 6 there will be a free musical recital at the Sheldon Memorial Art Gallery followed by a tour of the atomic physics laboratories at the University of Nebraska. On Tuesday evening, December 7 the banquet will be held at the hotel. C. Bertrand Schultz, Director Emeritus of the State Museum and Executive Secretary of the Nebraska Academy of Science will be the speaker. He will present an illustrated talk "The Changing Environment of the Central Great Plains During the Past 60 Million Years." The cost of the banquet will be \$10.50.

The Annual Business Meeting is scheduled to be held in the Grand Ballroom on Tuesday morning, December 7. The meeting will be conducted by F. M. Pipkin as Retiring Chairman. The officers for 1977 are Stephen J. Smith (Chairman), Neal F. Lane (Vice-Chairman), and Chun C. Lin (Secretary-Treasurer).

The program committee consists of Lloyd Armstrong, Jr., Gordon H. Dunn, E. Norval Fortson, Robert Freund, Theodor W. Hänsch, William Happer, Robert M. Hill, Neal F. Lane, Chun C. Lin, Joseph H. Macek, Richard Marrus, Earl W. McDaniel, Harold J. Metcalf, Francis M. Pipkin, David E. Pritchard, Hugh Robinson, Ivan A. Sellin, Rolf M. Sinclair, Henry H. Stroke, Norman H. Tolk. Contributed papers will be given in parallel sessions and the conventional variety of slide projection equipment will be available. Anyone requesting special equipment should advise M. Eugene Rudd (Department of Physics, University of Nebraska) as soon as possible.

With the large number of papers some conflicts are inevitable. Persistent complainers may face the traditional sentence of a term in the Program Committee. The sessions are arranged by Robert Freund, Francis Pichanick, and Frank Pipkin.

The DEAP is indebted to the local committee, headed by M. Eugene Rudd, for the excellent preparation work. We also express our appreciation to the University of Nebraska for acting as host to the meeting.

The symposia, the speakers, and the title of their papers are as follows:

A. Electron Collisions with Molecules (organized by A. V. Phelps)

F. Linder "Measurements of Vibrational Excitation of Polar Molecules by Electrons"

D. W. Norcross "Rotational Excitation of Highly Polar Molecules by Electrons"

A. Temkin "The Outlook for Predictive "Ab Initio" Calculations in Electron Molecule Scattering"

S.-F. Wong "Resonant Vibrational Excitation in Molecules".

- B. Ionization by Electron Transfer Collision (organized by J. H. Macek)
- J. E. Bayfield "Recent Experiments on Charge Exchange of Ions with Atomic Hydrogen"
- C. L. Cocke "Charge Exchange Contributions to Innershell Vacancy Production"
- J. T. Park "Measurements in the Ionization Continua using Heavy Ion Energy Spectroscopy"
- I. A. Sellin " $\text{Ne}^{+q} + \text{Ne}$ Collisions".
- C. Lasers: New Tools and Probes for Collision Studies (organized by H. H. Stroke)
- B. Bederson "Collisions Experiments in Laser-Excited Atoms"
- P. Berman "Study of Collision Effects by Laser Spectroscopy"
- J. Carlsten "Collisional Effects in Near-Resonant Scattering of Light"
- C. K. Rhodes "Laser Studies of Atomic and Molecular Collisions".
- D. New Developments in Technology (organized by B. Coasemann)
- D. J. Clark "New Developments in Sources for Highly Ionized Atoms"
- J. L. Hall "Recent Advances in Frequency Control of Lasers" (provisional title)
- D. C. Lorentz "Rare Gas Halide and Halogen Lasers - A New Source of Coherent Near-Ultraviolet Radiation"
- P. H. Stelson "The Atomic Physics Potential of New Accelerators"
- H. Winick "Synchrotron Radiation: Properties, Sources, and Research Applications".
- E. Properties of Atoms and Molecules (organized by N. F. Lane)
- T. M. Miller, Jr. "Atomic and Molecular Polarizabilities"
- A. F. Starace "The Random Phase Approximation and the Theory of Atomic Photo-ionization"
- W. C. Stwalley "Long-Range Atomic Interactions"
- A. W. Weiss "Systematic Trends in Atomic Transition Probabilities - Recent Developments".