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The American Physical Society

Division of Electron and Atomic Physics

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To MEMBERS OF THE DEAP from Chun C. Lin

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II. 1978 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	-Neal F. Lane (Rice University)
Immediate Past Chairman	-Stephen J. Smith (JILA)
Vice Chairman	-Herbert F. Broida (University of California, Santa Barbara)
Secretary-Treasurer	-Thomas M. Miller (SRI)

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

Executive Committeemen (terms expiring on the months indicated)

J. D. Garcia, Jr. (University of Arizona)	December 1978
R. D. Deslattes, Jr. (National Bureau of Standards)	December 1979

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

III. 1977 Annual Meeting

The Ninth Annual Meeting of the Division of Electron and Atomic Physics will take place in Knoxville, Tennessee on 5-7 December 1977. All scientific sessions will be held at the Hyatt Regency Hotel at 500 Hill Avenue, S.E., and most participants will be housed there. Rates are \$28 per room, for either single or double occupancy. Third beds may be available at \$5 per bed per night. Participants are urged to make their reservations early. Limousine service to the Hyatt Regency is available at

the McGhee-Tyson airport. Registration will be held in the John Sevier Lobby, just off the main lobby of the hotel Sunday from 4 to 9 P.M. and during the conference.

The registration fee is \$18 up to 15 November and \$25 thereafter. Unsupported students and unemployed may register for \$3. Pre-registration and hotel reservation forms are 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 of the Hyatt Regency (615-637-1234). Ask for the DEAP registration desk.

The average daily high and low temperatures in Knoxville during December are 10°C (50°F) and 1°C (33°F), respectively, with variations as large as 15°C (27°F) possible. Approximately one-third of December days can be expected to yield precipitation in excess of one-third millimeter. The Weather Bureau expects early December to be mild, but participants should come prepared for extremes.

Knoxville offers proximity to the Great Smoky Mountain National Park, The American Museum of Atomic Energy in nearby Oak Ridge, the Knoxville Zoological Park, which has a large collection of big cats, The Frank H. McClung Museum Art Gallery and Natural History Museum at The University of Tennessee, and many other attractions.

A reception will be held in the John Sevier Lobby from 7 to 9 P.M. Sunday evening, with free snacks and a cash bar. From 7 to 9 P.M. Monday evening, 5 December, there will be a free-wheeling discussion, entitled "Speculations on Physics, Large and Small", arranged by Rolf Sinclair and featuring invited guests Gerald Feinberg and David Layzer. Free refreshments of the beer and light snack variety will be available during the session. The traditional banquet will be held at the Oak Ridge Country Club on Tuesday evening, 6 December, following an afternoon tour at the Oak Ridge National Laboratory (ORNL) and the American Museum of Atomic Energy. Busses will depart from the Hyatt Regency Hotel at 1:45 P.M. sharp Tuesday afternoon for the ORNL and Museum tours. As the various busses will visit only preselected sites, participants are requested to reserve a space on the appropriate bus at the registration desk no later than noon Monday. Non-U.S. citizen visitors are especially requested to inform either Ivan Sellin or Stuart Elston, Bldg. 5500, Oak Ridge National Laboratory, P. O. Box X, Oak Ridge, TN 37830, of their intent to visit ORNL no later than 15 November; include your full name, title, affiliation, and country of citizenship, or use the spaces provided on the pre-registration form enclosed. Those not wishing to visit ORNL can instead visit the American Museum of Atomic Energy, to which a short visit will be made by all busses enroute from ORNL to the Oak Ridge Country Club. A cocktail hour will precede the banquet at about 6 P.M., and dinner will be served at 7 P.M. Busses will return to the Hyatt Regency Hotel between 10 and 11 P.M., following after-dinner entertainment.

The program committee has decided to have one poster session during this meeting. Beer will probably be served to enhance the informal atmosphere. After the meeting the degree of success of the poster session will be assessed and a decision will be made as to whether or not this practice should continue in future meetings.

The Annual Business Meeting will be held in the Georgia Room at 11:00 A.M. on Tuesday, 6 December. The meeting will be conducted by S. J. Smith as Retiring Chairman. The officers for 1978 are Neal F. Lane (Chairman), Herbert P. Broida (Vice Chairman), and Thomas M. Miller (Secretary).

The Program Committee consists of James Bayfield, John Delos, Gordon Dunn, Richard Freeman, Theodor H. Hensch, Robert Hill, Neal Lane, Chun Lin, Joseph Macek, Richard Marrus, Earl McDaniel, Harold Metcalf, Francis Pipkin, Arthur Rich, Ivan Sellin,

Rolf Sinclair, Stephen Smith, Henry Stroke, Norman Tolk, and Wolfgang Wiese. Contributed papers will be given in parallel sessions and a 35 mm projector and an overhead projector will be available in each room. Anyone requesting lantern slide projector or other special visual-aid equipment should advise Ivan Sellin or Stuart Elston (Bldg. 5500, Oak Ridge National Laboratory, P. O. Box X, Oak Ridge, TN 37830) as soon as possible.

With the large number of papers some conflicts are inevitable. Persistent complainers may face the traditional sentence of a term on the Program Committee. The sessions were arranged by Barry Dunning, Greg J. Hatton, Neal Lane, Chun Lin, and Ronald Stebbings.

The DEAP is indebted to Ivan Sellin and Stuart Elston for their excellent preparation work. We also express our appreciation to Oak Ridge National Laboratory and the University of Tennessee for acting as co-host to the meeting.

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

A. Laser Spectroscopy (organized by T. W. Hänsch)

M. H. Nayfeh "Laser Detection of Single Atoms"

J. A. Paisner "Rydberg States in the Atomic Lanthanides and Actinides"

P. F. Liao "Coherent Transient Spectroscopy of Multiphoton Transitions"

R. E. Teets "New Methods for Nonlinear High Resolution Spectroscopy"

B. Lamb Shift in Hydrogen Systems (organized by F. M. Pipkin)

P. J. Mohr "Status of the Theory of the Lamb Shift in Hydrogenic Atoms"

S. R. Lundeen "New Precision Measurement of the Lamb Shift in Hydrogen by Separated Oscillatory Fields"

H. W. Kugel "High Z Lamb Shift Studies Via Laser Spectroscopy"

H. Gould "Quenching of the Metastable State of Hydrogen-Like Argon ($Z=18$) in an External Electric Field"

G. W. F. Drake "Progress in Lamb Shift Measurements in Hydrogenic Ions by the Anisotropy Method"

C. Energy Transfer in Atoms and Molecules (organized by G. H. Dunn)

M. G. Payne "Laser-Induced Inelastic Processes in Atom-Atom Collisions"

S. R. Leone "Detailed-State Analysis of Collisional Energy Transfer in Simple Bimolecular Systems"

G. W. Flynn "Collision Induced Intermode Energy Transfer in Polyatomic Molecules"

P. L. Houston "Multiphoton Dissociation Processes in Polyatomic Molecules"

D. Fast Beam Laser Spectroscopy (organized by R. M. Hill)

W. H. Wing "Infrared Laser Spectroscopy of the Hydrogen Molecular Ion"

P. M. Koch "Fast Beam Laser Spectroscopy in Atomic Hydrogen and Helium"

H. C. Bryant "Photodetachment Studies on a Relativistic H^- Beam"

J. T. Moseley "Ion Photofragment Spectroscopy"

E. Collision Processes Important in High-Temperature Plasmas (organized by J. Macek)

R. A. Phaneuf "Measurements of Electron Transfer from Hydrogen Atoms to Multiply-Charged Ions"

D. Robb "Theoretical Considerations and Results for Electron-Impact Excitation of Positive Ions"

D. H. Crandall "Experiments on Electron-Impact Excitation and Ionization of Multicharged Ions"

C. Bottcher "Stripping of Light Systems by Highly Charged Species"