

The American Physical Society

Division of Electron and Atomic Physics

DANIEL KLEPPNER, *Chairperson*
Massachusetts Institute of Technology
26-231
Cambridge, Massachusetts 02139
(617) 253-6811

HUGH P. KELLY, *Vice-Chairperson*
University of Virginia
Department of Physics
Charlottesville, Virginia 22901
(804) 924-6587

PATRICIA M. DEHMER, *Secy.-Treas.*
Argonne National Laboratory
203-C153
Argonne, Illinois 60439
(312) 972-4187

November 1983

To members of the DEAP from Pat Dehmer

FIRST ANNOUNCEMENT OF THE
FIFTEENTH ANNUAL MEETING OF THE
DIVISION OF ELECTRON AND ATOMIC PHYSICS
UNIVERSITY OF CONNECTICUT, STORRS, CONNECTICUT
30 MAY - 1 JUNE 1984

SUBMISSION OF ABSTRACTS

Abstracts for contributed papers (one original and two duplicates) in standard Bulletin format should be sent to the Chairman of the Program Committee, Professor Hugh P. Kelly, Department of Physics, University of Virginia, Charlottesville, Virginia 22901. The deadline for receipt of abstracts is Friday, 27 January 1984.

Please note on one corner of the abstract whether you prefer an oral session or a poster session. In addition, please include an appropriate PACS number on your abstract. The PACS numbers will be used to aid in sorting the abstracts into sessions, and, therefore, they should be as specific as possible and should indicate what type of audience you wish to address. Both overhead and 35 mm slide projectors will be provided for the oral sessions.

FIFTEENTH ANNUAL MEETING OF THE
DIVISION OF ELECTRON AND ATOMIC PHYSICS
UNIVERSITY OF CONNECTICUT, STORRS, CONNECTICUT
30 MAY - 1 JUNE 1984

The 1984 Annual Meeting of the DEAP will be held on the campus of the University of Connecticut in Storrs, Connecticut on Wednesday through Friday, 30, 31 May and 1 June 1984. The host will be the Physics Department at the University of Connecticut with Edward Pollack serving as local chairman. The local committee includes Yukap Hahn, Howard Hayden, Quentin Kessel, Ken LaGattuta, Tom Moran, Arnold Russek, Winthrop Smith and Ralph Snyder (University of Connecticut). Also Phil Jones (University of Massachusetts), William Lichten (Yale University), Harvey Michels (United Technologies Research Center), Tom Morgan (Wesleyan University), and Kambiz Safinya (Schlumberger-Doll Research). In addition to the regular program, two small workshops on specialized topics are planned in conjunction with the meeting, and are described below.

The University of Connecticut is located approximately 25 miles east of Hartford, Connecticut, and 45 miles west of Providence, Rhode Island. The Storrs campus, in a semi-rural area near Willimantic, can be reached conveniently by air via Bradley International Airport (Hartford/Springfield) or by train to Hartford.

Commercial limousine service from Bradley International Airport to campus will be arranged by the Conference Office. Taxi (1 to 4 passengers) \$32.00, Van (5 to 9 passengers) \$56.00 and Limo (9 to 13 passengers) \$64.00. Additional pick ups can be planned at the Hartford Railroad Station. Alternates include car rental or chartered bus. The driving time from New York City is 3 hours, and from Boston 2 hours.

A block of 300 beds (a limited number with private bath) has been reserved in Shippee Residence Hall adjacent to the air-conditioned Bishop Center which is the site of many of the meeting sessions. Additional beds are available in the Buckley Residential Hall which is a part of the same complex. For those desiring commercial accommodations, we have reserved a block of rooms at the Willimantic Motor Inn 7 miles south of the campus. Please make your housing reservations directly with the Motor Inn, P.O. Box 413, Willimantic, CT 06226, (203) 423-8451.

In addition to the scientific program, the schedule includes:

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|-------------------|--|
| Tuesday, May 29 | Registration 3:00 to 10:00 p.m. in Shippee Hall plus a beer and pizza reception from 6:00 to 8:00 p.m. |
| Wednesday, May 30 | Buses depart Shippee Hall between 5:30 and 6:30 p.m. for a local recreation center. A \$10.00 fee will cover a barbecue, swimming, tennis and other recreation. Buses return to Shippee Hall by 10:30 p.m. |
| Thursday, June 1 | Social Hour starting at 5:30 p.m. at the Faculty Alumni Center, followed by a New England Shore Dinner (\$15.00 fee-limited to 350 persons). |

The campus is often at its best in May and June, and there is good weather for hiking, swimming, or tennis when the sun shines. The University Art Museum and other university facilities will be open during the meeting. Ad hoc excursions to the coast, Old Sturbridge Village, the U.S. Navy Submarine Base in Groton near New London, or a boat trip on the Connecticut River should be of interest to accompanying persons and can be arranged if there is sufficient demand. Visits to United Technologies Research Center in East Hartford, to New Haven, or to Boston also can be arranged on request.

A registration fee of \$50.00 (before May 10th - \$55.00 after) will cover administrative costs, printing the meeting abstracts, transportation during the meeting, conference administration fees, and morning and afternoon coffee and pastries. A housing and meal package is \$105.00. This package includes double occupancy lodging on May 29, 30, 31, and June 1, 1984, and all meals during this time except dinner on Wednesday and Thursday. The Wednesday Barbecue and Thursday Shore Dinner are optional costs. The supplemental cost for single-bed lodging is \$16.00.

The complete program of scientific invited papers will be given in a forthcoming DEAP Newsletter.

PLEASE USE AND RETURN THE REGISTRATION FORM PROVIDED.

WORKSHOP ON CONTROLLING ATOMS

This workshop will be concerned with forces on atoms due to E&M fields (including optical fields), atom and ion trapping, and techniques for cooling atoms and ions to permit high resolution spectroscopy. The program will consist almost exclusively of short contributed papers and informal discussions. Attendance will be limited to those actively engaged in this research area. The workshop will be held on Tuesday, 29 May 1984 at the University of Connecticut. It is expected that hot results in this research area also will be presented at the DEAP meeting. For further details, please contact the workshop organizer, David Pritchard, Massachusetts Institute of Technology, 26-231, Cambridge, Massachusetts 02139, (617) 253-6812.

WORKSHOP ON CHEMISTRY FROM ATOM-MOLECULE COLLISIONS

A specialized workshop on atom-molecule collisions, triatomic energy surfaces and chemistry is planned in conjunction with the 1984 DEAP Meeting on Saturday, 2 June 1984 at the University of Connecticut. Persons interested in attending or having suggestions for speakers should contact either of the workshop co-chairmen, Arnold Russek or Edward Pollack, Department of Physics, University of Connecticut, Storrs, Connecticut 06268, (203) 486-3670.

REGISTRATION FORM
1984 ANNUAL MEETING

APS Division of Electron and Atomic Physics
University of Connecticut, Storrs, Connecticut
30 May - 1 June 1984

Name _____

Affiliation _____

Business Address _____

City _____ State _____ Zip _____

Telephone (Day) () _____ (Evening) () _____

REGISTRATION:

\$50.00 (received on or before May 10) \$ _____

\$55.00 (received after May 10) \$ _____

\$10.00 Student Fee \$ _____

HOUSING and MEALS:

University of Connecticut Residential Package \$105.00
(includes shared housing May 29, 30, 31 & 1st plus all meals except dinner on Wednesday and Thursday) \$ _____

[] Please assign roommate from among other participants

[] I wish to share a room with _____

[] Smoker [] Non-Smoker

Single supplement (limited availability @ \$16.00) \$ _____

Commuter Plan (meals only portion of Residential Package \$49.00) \$ _____

Barbecue (Wednesday) _____ tickets @ \$10.00 \$ _____

New England Shore Dinner (Thursday) _____ tickets @ \$15.00 \$ _____

TRANSPORTATION:

Please arrange limo from [] Airport [] Train Station

Arrival day, date and time _____

Departure day, date and time _____

TOTAL \$ _____

Make checks payable to THE UNIVERSITY OF CONNECTICUT and mail to:
DEAP Connecticut Office of Non-Credit Programs
THE UNIVERSITY OF CONNECTICUT
Box U-56D
Storrs, CT 06268

For registration assistance call: Ms. Danitza Nall at (203) 486-3231