

The American Physical Society

Division of Electron and Atomic Physics

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TO MEMBERS OF THE DEAP from Chun Lin

ARRANGEMENTS FOR THE APS WASHINGTON MEETING (28 April - 1 May 1975)

1. Symposia Sponsored by the Division

(a) Atmospheric Processes and Their Consequences (organized by R. S. Berry)

"Formation and Destruction of Stratospheric Ozone",
H. JOHNSTON, University of California, Berkeley

Title to be announced, M. RUDERMAN, Columbia University

"Atmospheric Circulation, Climate and the Effect of Trace Constituents -
How Much Do We Know?",
J. MAHLMAN, Princeton University

(b) Recent Program in E-Beam Pumped Electronic Transition Lasers (organized by D. C. Lorents)

"Kinetic Modeling of High Pressure Ultraviolet Lasers",
E. V. GEORGE, Massachusetts Institute of Technology

"Resonant Charge Transfer Reactions of Importance in High Energy Laser Development",
C. B. COLLINS, The University of Texas at Dallas

"Auroral-Line Induced-Dipole Lasers",
J. R. MURRAY, Lawrence Livermore Laboratory

"Kinetic Studies of Energy Transfer Laser Media",
ROBERT M. HILL, Stanford Research Institute

(c) Inner Shell Processes In Heavy Ion Atomic Collisions (organized by I. A. Sellin)

"The Charged Vacuum in Overcritical Fields Occurring in Heavy Ion Collisions",
WALTER GREINER, Johann Wolfgang Goethe-Universitat, Germany

"Directional Anisotropies in Non-Characteristic X-Ray Emission",
ROBERT THOE, The University of Tennessee

"Inner Shell Ionization in Condensed Media",
S. DATZ, Oak Ridge National Laboratory

"Models for Inner Shell Vacancy Production Phenomena",
J. D. GARCIA, University of Arizona

"Electron Production in Energetic Heavy-Ion Collisions",
D. BURCH, University of Washington

2. The DEAP Executive Committee is scheduled to meet on Sunday evening, April 27. The committee consists of Benjamin Bederson (chairman), Frank Pipkin (vice-chairman), Robert Celotta, Roy Garstang, Chun C. Lin, Earl McDaniel, Eugen Merzbacher, Ralph Nicholls, Arthur Schawlow, King Walters. Members should feel free to contact any of the above should they wish to bring some topics to the attention of the committee.

3. The Program Committee meets at noon on April 28. Symposia and invited speakers for our Annual Meeting at Tucson in December, as well as for general APS meetings through March 1976, will be discussed. Please send suggestions for topics and speakers to Frank Pipkin, Lyman Laboratory, Harvard University, Cambridge, Massachusetts 02138.
4. The Nominating Committee will probably convene at Washington in April. This committee will select a slate of candidates to present to the DEAP membership later in the year. Offices to be filled are vice-chairman, secretary-treasurer and one committeeman. Suggestions may be sent to Benjamin Bederson, Physics Department, New York University, 4 Washington Place, New York, New York 10003.

MEETINGS SPONSORED BY THE DIVISION

1. Thirty-Fifth Annual Physical Electronics Conference.
University Park, Pennsylvania, 2-4 June 1975.
2. Twenty-Eighth Annual Gaseous Electronics Conference
Rolla, Missouri, 21-24 October 1975.

THIRTY-FIFTH ANNUAL PHYSICAL ELECTRONICS CONFERENCE

University Park, Pennsylvania 2-4 June 1975

The Thirty-Fifth Annual Physical Electronics Conference will be held at The Pennsylvania State University, University Park, 2-4 June 1975. The conference is sponsored by the American Physical Society (Divisions of Solid State Physics and Electron and Atomic Physics) and is organized by the Physical Electronics Conference Committee: R. L. Park, General Chairman, J. A. Appelbaum, J. M. Blakely, T. E. Madey, A.H. Madjid, E. W. Mueller, R. L. Schwoebel, G. A. Somorjai, R. E. Stickney, and J. C. Tracy.

The conference committee invites the submission of experimental and theoretical papers concerned with the physics of solid surfaces. Such papers may relate to electronic, crystallographic, or chemical structure of surfaces as obtained by electron diffraction and by various optical and electron spectroscopies. Both the static and dynamic properties of surfaces, which are clean or incorporate known foreign atoms, are of interest. Papers which present new methods of surface analysis and characterization are also acceptable.

It is the intention of the organizing committee to continue the policy of limiting the number of papers to that which can be accommodated in a three-day conference with ample time for presentation and discussion. Papers to be presented will be selected on the basis of the submitted abstract according to criteria which have guided the conference in the past. That is, the subject matter must lie within the areas stated; the results presented must be new and unpublished at the time of the conference; and if the work is related to previously published material, the abstract should state clearly what is new. Preference will be given to papers presenting preliminary results and conclusions in exciting new areas of theoretical or experimental investigations, over those alluding to additional information in well established fields. Similarly, papers describing comparisons of theory and experiment will receive preference over papers presenting theory or experiment alone. An announcement of the meeting including a detailed statement of paper selection criteria and other pertinent information will be sent to the conference mailing list and is available to anyone upon request to the local chairman.

Abstracts submitted for consideration must be received by Friday, 18 April 1975; they should be sent to the Local Chairmen, A. H. Madjid and E. W. Mueller, Department of Physics, The Pennsylvania State University, University Park, Pa. 16802, to whom inquiries relative to the conference should also be directed.

TWENTY-EIGHTH ANNUAL GASEOUS ELECTRONICS CONFERENCE

Rolla, Missouri

21-24 October 1975

The Twenty-Eighth Annual Gaseous Electronics Conference will be held on 21-24 October 1975 at the University of Missouri, Rolla, Missouri. This meeting is a topical conference of the American Physical Society and is sponsored by the Division of Electron and Atomic Physics.

The Gaseous Electronics Conference invites papers on basic phenomena and collisional and plasma processes in ionized gases. Specifically, the role of such fundamental processes in electric discharges, arcs, and gas lasers is considered to be within the scope of the conference. Papers which are devoted to specific devices or engineering applications lie outside the scope of the conference unless the physics of the problem constitutes the major part of the work and is clearly indicated in the abstract. Likewise, collision phenomena concerned primarily with "high-energy" (above 100 eV) processes are not regarded as appropriate subject matter for the conference. However, those papers in which the results of "high-energy" works are important in studying basic processes of gaseous electronics will be considered.

The deadline for abstracts of regular papers is 18 August 1975. In addition to the regular papers it is planned to have a number of "long papers" of special significance (approximately 20 minutes each) included in the program. Abstracts of the "long papers" must be received by the Secretary of the conference no later than 21 July 1975. Detailed information concerning the procedure of submission of abstracts of "long papers" may be obtained from the Secretary of the conference. In addition to the presentation of contributed regular and long papers, the conference format will include workshop sessions devoted to ion-molecule collisions, rotational excitation processes and arc plasma processing.

Abstracts and inquiries should be addressed to the Secretary of the conference, Professor L. D. Scheerer, Physics Department, University of Missouri, Rolla, Missouri, 65401.

THE SEVENTH ANNUAL DEAP MEETING

The Seventh Annual DEAP Meeting will be held in Tucson, Arizona on 3-5 December 1975. A detailed announcement will appear later in the APS Bulletin and in my next mailing. The deadline for contributed papers is 12 September 1975. Abstracts should be sent to Frank Pipkin, Lyman Laboratory, Harvard University, Cambridge, Massachusetts 02138.

OTHER MEETING

The Fourth International Conference on Beam-Foil Spectroscopy is to be held in Gatlinburg, Tennessee, 15-19 September 1975, jointly with a Heavy-Ion Atomic Physics Symposium. The University of Tennessee and the Oak Ridge National Laboratory will co-host the Conference. Additional information concerning the conference can be obtained by writing to either Professor Ivan Sellin or Professor David Pegg at the Department of Physics and Astronomy, The University of Tennessee, Knoxville, Tennessee 37916.