

WINTER NEWSLETTER
OF THE
SOUTHEASTERN SECTION
OF THE
AMERICAN PHYSICAL SOCIETY

APRIL 1, 1997

The 64th Meeting of SESAPS will be held in Nashville, Tennessee on 6-8 November, 1997. Our host for this meeting will be the Vanderbilt University Physics Department. The local arrangements committee is chaired by Joe Hamilton, who may be reached at (615) 322-2828 (phone), (615) 343-7263 (fax) and HAMILTJ1@CTRVAX.VANDERBILT.EDU (e-mail).

THIS IS THE FIRST CALL FOR ABSTRACTS OF CONTRIBUTED PAPERS SESAPS will use electronically submitted abstracts (brief instructions are at the end of this newsletter) for publication in the Bulletin of the AMERICAN PHYSICAL SOCIETY. The deadline for the receipt of contributed papers and abstracts is no later than Friday, August 29, 1997. The entire program will be organized the following week. All abstracts received electronically by the deadline will be published in the November, 1997, BULLETIN of the AMERICAN PHYSICAL SOCIETY. All abstracts of contributed papers must be prepared in the standard APS format as specified in recent issues of the APS News. If the abstract is submitted to the APS only on paper, just the title and authors will appear in the BULLETIN.

THE ABSTRACT FEE HAS BEEN ELIMINATED, BUT THE FEE STRUCTURE FOR THE MEETING HAS BEEN CHANGED. THE NET COST TO MEMBERS WHO SUBMIT ONE ABSTRACT WILL BE LOWER. The Program Chairman is:

Dr. Richard Patty
Department of Physics
Box 8202
Raleigh, NC 27695

919 515 2521 (Phone)
919 515 6538 (Fax)

RICHARD_PATTY@NCSU.EDU (e-mail)

The scheduled time for your presentation must be obtained from the bulletin WHICH WILL BE AVAILABLE ELECTRONICALLY on the WWW. Meeting rooms will have an overhead projector and chalkboard - to request other audio-visual aids, including 35 mm projectors. Please make your request in writing by typing it near the bottom of the hard copy of your abstract. Any questions about the program should be directed to Dr. Patty.

THE INNOVATION FROM PREVIOUS MEETINGS IN CONTRIBUTED PAPERS WILL BE CONTINUED! Invited papers at this meeting, as at all APS meetings, are given by experts in areas selected by the Program Committee; and these talks are usually of thirty minutes duration. Contributed papers, however, are on topics of the author's choice and are ten minutes in length. On the day following the abstract deadline, all papers are organized into sessions; and the sessions into the program of the meeting. This year the Program Committee will continue an idea suggested by an APS member. Some of the

contributed abstracts are of such interest that the committee will INVITE THE AUTHORS to give a SPECIAL PAPER of twenty minutes duration on the topic of their abstract at the beginning of the contributed paper session to which their talk is assigned. There will only be a few such papers selected. The invitations will be listed in the printed program of the meeting and will be verified promptly by mail to the authors. If the author(s) would like to be considered for such an invitation, they are asked to type the following statement below the abstract: If invited to do so, the author is willing to expand the talk for the above abstract to twenty minutes.

THE PROGRAM CHAIRMAN INVITES SUGGESTIONS FROM THE MEMBERSHIP REGARDING THE SUBJECT OF INVITED PAPERS. Currently, sessions on the following topics are scheduled: Biophysics-FEL, Nuclear Physics, Solids-Molecular Dynamics, Atomic-Molecular-and-Optical Physics, Optics, Physics Teaching, Astrophysics, High Energy Physics, Chaos in Quantum Systems and Computational Physics in the Physics Curriculum. Several of the sessions will be invitational sessions, and several sessions will consist of invited and contributed papers. Naturally, contributed papers on any subject in physics will be accepted but may not have a session devoted exclusively to their subject matter.

VANDERBILT UNIVERSITY WILL BE OUR HOSTS FOR THE 1997 MEETING OF SESAPS. The meetings will be on the Vanderbilt campus in the Sarratt Student Center with the nearby Holiday Inn/Vanderbilt serving as the host hotel. The room rate is \$77.50. Nashville offers many entertainment, cultural, and educational opportunities. Cultural attractions include the only full-scale replica of the Parthenon with a statue of the goddess Athena inside, the Cheekwood Botanical Gardens and Art Museum, the Hermitage (home of the seventh President, Andrew Jackson), other 19th century homes, and the museum of Tennessee History. There are many fine restaurants and clubs featuring country, jazz, comedy, and country dancing (the most famous of which is the Wild Horse Saloon). The historic Second Avenue area has been completely renovated. Restaurants in this area range from Planet Hollywood and the Hard Rock Cafe to fondue, cook-your-own-steak establishments, and excellent seafood cafes. The Opryland Hotel has expanded to become the largest hotel in the U.S. and includes three indoor atriums with areas of several acres containing all types of water falls, flowers, tropical plants, rivers, and restaurants. A water taxi can be taken from the downtown riverfront to Opryland. A riverboat, the General Jackson, cruises from Opryland to downtown and back with dinner and a musical show (reservations are generally required). Sunday evenings that unique piece of America, the Grand Ole Opry, has two shows, but write for tickets early. We look forward to seeing you in Nashville.

VANDERBILT UNIVERSITY will host two one-day workshops on November 5, 1997 prior to the SESAPS meeting. One will be on *Radioactive Ion Beams* chaired by J. H. Hamilton and the other will be on [Computational Materials Physics in the Southeast](#) chaired by S. Pantelides.

TRAVEL TO NASHVILLE is convenient as Nashville is served by major airlines, such as American, U.S. Air, and Delta, and is a junction of I40, I66, and I24 interstate highways.

THE REGISTRATION FEE STRUCTURE HAS BEEN CHANGED. In order to accommodate the electronic submission of abstracts, the executive committee of SESAPS made the following changes in the registration fee structure. It should be emphasized that a member submitting one abstract will save money with the new fee structure. Registration will be \$35.00 for SESAPS and other APS members, \$50 for nonmembers, \$5 for retired physicists, and \$15 for graduate students. Awardee and banquet speakers will not pay the registration or banquet fee. Undergraduate students may register free at the Society of Physics Students' table. Registration will be open at the headquarters hotel from 18:00 to 21:00 on November 5 and will continue each day of the meeting.

A MEETING OF THE SOCIETY OF PHYSICS STUDENTS is also anticipated in conjunction with the SESAPS meeting and will include a student paper session where the Marsh W. White Award will be presented for the best paper given at that session.

TRAVEL SUPPORT WILL BE AVAILABLE FOR STUDENTS THIS YEAR. Students will be pleased to

learn that modest travel grants will again be available for those presenting research papers at the SESAPS sessions. SPS students giving papers in the SPS sessions only are not eligible for travel support.

NOMINATIONS FOR THE *JESSE BEAMS AWARD* FOR OUTSTANDING RESEARCH AND *THE GEORGE B. PEGRAM AWARD* FOR EXCELLENCE IN TEACHING ARE REQUESTED AT THE EARLIEST POSSIBLE TIME, BUT NO LATER THAN MAY 1, 1996. The nomination letter should include appropriate supporting information with no more than three letters of support for each nominee. The materials for the Beams award should be sent to:

Dr. Shah Jahan
University of Memphis
Memphis, TN 38152
(901) 678-3115
mjahan@cc.memphis.edu

The materials for the Pegram award should be sent to:

Dr. Lawrence K. Akers
401 Crewdson Ave.
Chattanooga, TN.
(423) 756-2329

SESAPS members are urged to nominate candidates for these awards, as a large number of candidates generally results in meaningful awards.

SUGGESTED NOMINATIONS FOR SECTION OFFICERS should be sent to the Secretary at the address given at the end of this letter for consideration by the Nominating Committee, which is made up of the Executive Committee.

THE CHANGES IN THE BY-LAWS OF THE SOUTHEASTERN SECTION OF THE APS, which restructure the Executive committee by adding a vice-chair elect, have been approved. Kirby Kemper is the first SESAPS Vice-Chair Elect. A list of executive committee members for this year is included in this newsletter.

**SOUTHEASTERN SECTION OF THE AMERICAN PHYSICAL SOCIETY
EXECUTIVE COMMITTEE 1997**

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THE FOLLOWING INFORMATION WAS GENERATED BY APS TO ASSIST YOU WITH THE PREPARATION OF ELECTRONICALLY SUBMITTED ABSTRACTS

Abstract Submission

The deadline for the submission of all abstracts is Friday, August 29, 1997, 5:00 p.m. EST at the APS Headquarters.

The deadline is firm, so don't wait until the last minute! Send early - save yourself the stress.

Electronic Submission

Last year, the APS instituted an electronic abstract submission process, which was an enormous success, with almost 80% of all the abstracts being submitted electronically. We are hoping for an even better turnout electronically this year. There are many advantages to submitting electronically.

- E-mail message confirming receipt of your abstract
- E-mail notification of the scheduling of your paper
- The complete abstract will appear in the electronic version of the program which will be posted on the APS Home Page, well in advance of the printed program. (Abstracts submitted in paper form will have only the title and author listed in the electronic program)

For information on how to submit an abstract electronically, send an e-mail message to "abs-info@aps.org" and use the word "info" in the text of your message. To receive the template, send a message to "abs-request@aps.org" and put the words "request <meeting ID>" in the text of your message. The information and/or template will be returned to you by e-mail. If you have particular questions regarding the information or need assistance, send a message to "abs-help@aps.org" .

Submitting electronically is very easy. The mark-up language we use is LaTeX, but you do not need to know LaTeX in order to submit an abstract. Simple ASCII text will suffice, unless you need to put mathematical symbols or Greek characters in the text of your abstract-- and most of those **instructions are very simple**.

Paper Submission

Abstracts received via postal mail will be accepted; however, only the title and authors of the paper will appear in the printed version of the Bulletin and on the World Wide Web version of the Bulletin.

Please follow the instructions for the preparation of paper abstracts as they appear in each issue of APS Meeting News. These abstracts should be sent to:

<Meeting ID or Meeting Name>
Meeting Abstracts
APS Meetings Department
One Physics Ellipse
College Park, MD 20740-3844

Please do NOT also send a paper abstract to APS if you are submitting your abstract electronically. All abstracts must be at the headquarters office by the deadline date. APS assumes no responsibility for mail delays. Receipt of paper abstracts will not be confirmed unless accompanied by a self-addressed, stamped envelope.

Some Electronic Do's and Don't's

Do not simply "reply" to the address from which you received the abstract template. Send the abstract to "abs-submit@aps.org". Make sure you have the correct meeting ID <Meeting ID>.

One abstract per message! The system is automated. Sending two or more abstracts in one message increases the likelihood that all but the first abstract will disappear into the ether.

Use only one sorting category for your abstract in the "Sort Category" field. In order to sort the papers properly, it is important that the system deal with only one request. If you wish to give additional guidance to those who are putting the program together, please do so in the "Special Instructions" field. The Sort Category" field has four curly braces. Please use them as follows:

`\Sort Category {15} {L} {} {} {}`. **Not** `\Sort Category {15L} {} {} {}` **and not**
`\Sort Category{15}{L}{32}{B}`. **Do not remove left over braces.**

Only submit your abstract once. You should receive an e-mail message telling you that we got your message within 24 hours. If you have not, contact "abs-help@aps.org."

Respectfully,

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