

SUMMER NEWSLETTER
OF THE
SOUTHEASTERN SECTION
OF THE
AMERICAN PHYSICAL SOCIETY

June 20, 2003

MESSAGE FROM the CHAIR

Dear APS and SESAPS members,

We are sending our summer newsletter by e-mail to all members of the APS in the Southeast to inform you of our annual meeting, as described below, to be held at Wrightsville Beach this year. However, the main purpose of my personal message is to ask you, as a member of SESAPS, to encourage non-members to join. There is no cost to a member of the APS to join SESAPS. It is easy to do so. They simply go to the SESAPS WEB page at

<http://www.phy.davidson.edu/sesaps/>

and click on the link "Application to Join Units". There are several advantages to being a member of SESAPS and no disadvantages. There are over 1800 members of SESAPS out of approximately 5000 members of the APS in Southeast. Membership is a way to get everyone to become more actively involved in issues that affect all of us in our region. I hope all SESAPS members will encourage their colleagues to become members.

Brad Cox
University of Virginia
Chair, Southeastern Section of the American Physical Society

ANNUAL MEETING INFORMATION

The 70th Annual Meeting of the Southeastern Section of the American Physical Society (SESAPS) will be held November 6-8, 2003 (Thursday-Saturday) at Wrightsville Beach, NC. Our host for this meeting will be the University of North Carolina, Wilmington Department of Physics. The local arrangements committee is chaired by Moorad Alexanian who may be reached at (910)-962-3463 (phone), alexanian@uncw.edu. The Program Committee Chair is Dr. Lee Riedinger, Oak Ridge National Lab, P.O. Box 2008, Oak Ridge, TN 37831-6263, (865)-574-4321 (phone), (865)-574-8225 (Fax), riedinger1@ornl.gov (E-Mail). The website

<http://www.uncw.edu/sesaps03/>

has directions, and assorted meeting information. The meeting poster is available at our website at "<http://www.phy.davidson.edu/sesaps/>"

SECOND CALL FOR ABSTRACTS OF CONTRIBUTED PAPERS

SESAPS will use electronically submitted abstracts 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 8, 2003**. The entire program will be organized the following week. All abstracts received electronically by the deadline will be published in the November, 2003, 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.** The APS no longer accepts email abstracts, and abstracts must be submitted on the web. The web

site is "<http://www.aps.org/meet/abstracts/index.html>". Instructions can be found on that page. If the abstract is submitted to the APS only on paper, just the title and authors will appear in the BULLETIN. The scheduled time for your presentation must be obtained from the bulletin WHICH WILL BE AVAILABLE ELECTRONICALLY on the WWW, at "<http://www.aps.org/meet>".

CONTRIBUTED/INVITED PAPERS

Invited papers at this meeting, as in 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 in the special instructions box:

If invited to do so, the author is willing to expand the talk for the above abstract to twenty minutes.

MEETING FACILITIES

Meeting rooms will have an overhead projector and chalkboard - to request other audio-visual aids, including 35 mm projectors and computer projection equipment, please make your request in writing by typing it in the special instructions box of the abstract template. Any questions about the program should be directed to Dr. Riedinger. Facilities for connection to the internet will be available at the meeting site.

PRELIMINARY PROGRAM

Atomic, Molecular and Optical Physics, AstroPhysics, Computational Physics, Condensed Matter, Nanoscience, Neutron Science, Nuclear Physics, and Particle and Fields. Suggestions for the program should be sent to Riedinger. The sessions will start on Thursday at 8:00 am and end at noon on Saturday. Sessions of the North Carolina Section of the American Association of Physics Teachers will take place all day Saturday.

A meeting of the Society of Physics Students will be held in conjunction with the SESAPS meeting and will include a student poster session where the Marsh W. White Award will be presented for the best poster given at that session. The contact for the SPS session is Tim Black, who may be reached at blackt@uncwil.edu.

MEETING REGISTRATION FEES

Your board approved the following small changes in the fee structure. Registration will be \$40.00 for SESAPS and other APS members, \$55 for nonmembers, \$5 for retired physicists and \$20 for graduate students. Undergraduate students register for free. Awardees and banquet speakers will not pay the registration or banquet fee.

TRAVEL SUPPORT FOR STUDENTS

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. An application is included in this letter.

SUGGESTED NOMINATIONS FOR SECTION OFFICERS

Suggestions should be sent to the Treasurer 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 ballot enclosed has space for suggestions for section officers.

SESAPS CANDIDATES FOR NATIONAL OFFICE

Ron Mickens is running for APS councilor. He is a past chair of SESAPS and deserves our support. It is to our advantage to have representatives from the Southeast in national office. Please support him.

SOUTHEASTERN SECTION OF THE AMERICAN PHYSICAL SOCIETY

EXECUTIVE COMMITTEE 2003

<p>Chair Dr. Bradley Cox Department of Physics University of Virginia Charlottesville, Va. 22901 434 982 5377 P 434 982 3575 F COX@UVAHEA.PHYS.VIRGINIA.EDU</p>	<p>Chair Elect Dr. Lee Riedinger Oak Ridge National Lab P.O. Box 2008 Oak Ridge, Tn 37831-6263 865 574 4321 P 865 574 8225 F riedingerl@ornl.gov</p>
<p>Vice Chair Dr. Calvin Howell Department of Physics and TUNL Duke University Box 90308 Durham, NC. 27708-0308 919 660 2632 P 919 660 2634 F HOWELL@TUNL.DUKE.EDU</p>	<p>Past Chair Dr. Walter Croft Mississippi State Univ. Drawer N.C. Mississippi State, MS 39762 662 325 2806 P 662 325 8898 F croft@ra.msstate.edu</p>
<p>Treasurer Dr. Larry Cain Department of Physics Davidson College Box 6919 Davidson, NC 28035-6919 704 894 2347 P 704 894 2894 F lacain@DAVIDSON.EDU</p>	<p>Secretary Dr. Kenneth Hardy Department of Physics Florida International Univ. Miami, FL. 33199 305 348 2605 P 305 348 6700 F HARDYK@FIU.EDU</p>
<p>Executive Committee 02-05 Dr. Stephen Teitworth Department of Physics Box 90305 Duke University Durham NC 27708-0305 919 660 2560/2551 P 919 660 2525 F teitso@phy.duke.edu</p>	<p>Executive Committee 03-06 Dr. Dale Sayers N.C. State University 1005 Capability Dr., Resbldg III Box 7518 Raleigh NC. 27695-7518 919 515 4453 P 919 515 4496 F Dale_Sayers@ncsu.edu</p>

<p>Executive Committee 00-03 Dr. David Ernst Vanderbilt University Nashville, TN 37235 615 322 2828 P 615 322 1103 F DAVID.J.ERNST@VANDERBILT.EDU</p>	<p>Executive Committee 01-04 Dr. Glen Edwards Department of Physics Duke University P.O. Box 90309 Durham, NC. 27708 919 660 2674 P 919 681 7416 F edwards@fel.duke.edu</p>
<p>APS Representative Dr. Joe Hamilton Department of Physics Vanderbilt Univ. PO Box 1807-B Nashville, TN 37235 615 322 2456 P 615 343 7263 F j.h.hamilton@VANDERBILT.EDU</p>	

APPLICATION FOR STUDENT TRAVEL SUPPORT TO THE SESAPS MEETING
The student must be a presenter at a SESAPS session.

NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____

ZIP: _____ EMAIL: _____

SCHOOL: _____

UNDERGRADUATE/CLASS: _____

GRADUATE/CLASS: _____

ABSTRACT TITLE: _____

ABSTRACT AUTHORS: _____

AMOUNT REQUESTED (\$250 MAX) _____

PURPOSE OF REQUESTED FUNDS: _____

RETURN BY 15 OCTOBER TO:

Dr. Larry Croft
Department of Physics and Astronomy
Mississippi State University
P. O. Box 5167
Mississippi State, MS 39762

Please mail in the enclosed envelope or turn in at the meeting by noon, Nov. 6

SOUTHEASTERN SECTION
AMERICAN PHYSICAL SOCIETY
2003 BALLOT

FOR VICE-CHAIR

Paul Avery, University of Florida _____

Richard Haglund, Vanderbilt University _____

FOR EXECUTIVE COMMITTEE

Paul Cottle, Florida State Univ. _____

Victoria Greene, Vanderbilt University _____

Please list below any suggestions for
future officers of the section

NAME	OFFICE
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Many members of the section have made donations to the Jesse Beams Award for outstanding contributions to research and to the George Pegram Award for outstanding contributions to teaching so we want to offer an opportunity for others to contribute to the Beams-Pegram and Slack fund. Please feel free to cut this section from the ballot and use it to make your contribution by sending it to Dr. Laurence Cain, Department of Physics, Davidson College, Box 6919, Davidson, NC 28035-6919. Dr. Cain will also accept contributions at the SESAPS meeting.

Name_____

Beams-Pegram Amount_____

Slack Amount_____