

The CSRA Chemist

Savannah River Section
of the

American Chemical Society

Vol. 46



No. 3

Its a New Year -- Enjoy a great talk

Tuesday, January 13, 2004

- ACS Tour Speaker

Dr. Ned Heindel - "An Approach to Anti-Alzheimer's Therapeutics: Inhibitors of Acetylcholinesterase"

Place: Augusta State University, Washington Hall, Up in the Tower, Social 6:30 pm and Dinner at 7:00, Speaker follows at about 7:45. Take Elevator to 4th Floor.

Please contact: Glenda Blystone, 725-2605 to make a reservation and give us a head count. Cost is \$16 per member.

Up Coming Events --

January 13th - Tuesday, Dr. Ned Heindel, Alzheimer Treatment,
ASU Washington Tower

February - Details to be announced look for a card or email
[Possibles Fort Discovery or Aiken County Drug Lab,
contact Mark Barnes if suggestions]

March

March 17th - Steven H. Stow, ORNL, Tour Speaker
[note this is St. Patricks Day - so expect green
beer somewhere]

March 28 - 227th ACS National Meeting will be held March
28 to April 1, 2004, in Anaheim, CA.

April - Event Open

May - Student Awards or Picnic

June - Summer Break

July - Summer Break

August - 228th ACS National Meeting, Philadelphia, PA, August 22-
26, 2004.

September

- First Fall Meeting - To Be Announced

October

- Local Speaker - Elections - Business Meeting

- WOW Chemistry - ASU

- National Chemistry Week

- Science Education Enrichment Day - USCA

November

- Nov 9, Steven Dutch, U. WI - Green Bay, Tour Speaker,

- Nov 10-14, SERMACS, Research Triangle Park, NC

December -- Holiday Party, Recognitions and New Officers

January is a Tour Speaker ...

Dr. Ned Heindel

Ned D. Heindel is Professor of Chemistry at Lehigh University. He earned his B.S. at Lebanon Valley College in 1959 (Chem/Math), his Ph.D. at University of Delaware in 1963 (Org. Chem), and held his Postdoctoral fellowship at Princeton University in 1964 (Medicinal Chem). He researched the preparation of radiopharmaceuticals and synthesis of useful therapeutic drug candidates. He was the American Chemical Society President in 1994.

Title: An Approach to Anti-Alzheimer's Therapeutics: Inhibitors of Acetylcholinesterase

Abstract: As America's population ages, one of the fastest growing causes of death is Alzheimer's dementia. Among several physical and chemical events occurring in the central nervous system of disease sufferers is the depletion of stored and available acetylcholine, a critical neurotransmitter. Therapeutic interventions that have sought to increase acetylcholine's biosynthesis have been unsuccessful, while several candidate drugs that retard its metabolism do seem to offer modest clinical improvement. Both reversible and irreversible inhibitors of acetylcholinesterase, with unsymmetrical choline carbonates as the basic framework, have been designed, synthesized, and tested. New synthetic approaches have been developed to such inhibitors, which release chemotoxic agents like quinone methide and haloketones at the enzyme's active site. Promising inhibitors with IC50 values in the micromolar range are in hand.

Audience Level: Chemists, Students, General (nontechnical)

Categories: Drugs Medical/Pharmaceutical

"Great news. We were awarded the \$700 dollar ACS grant for the information packet that will be sent to science teachers before the "Wow! That's Chemistry" show. Wahooooo.....", Tom White - message follows...

American Chemical Society
Committee on Local Section Activities 1155 SIXTEENTH STREET, N.W.
Yorke E. Rhodes, Chair WASHINGTON, D.C. 20036
yorke.Rhodes@nyu.edu

December 5, 2003

Dr. Thomas White
Chair, Savannah Local Section
Westinghouse Savannah River Company
Building 773-A
Aiken, SC 29808

Dear Thomas:

The Board, Council and membership of the American Chemical Society approved the Petition for Local Section and Division Funding in 2003, making available a pool of approximately \$115,000 annually to local sections through the "Local Section Innovative Projects Grant Program". Proposals will be accepted by the Local Section Activities Committee (LSAC) twice each year with deadlines of April 1st and October 1st.

Thank you for submitting your proposal. LSAC has completed its review process and this letter is to send your local section good news! I am pleased to inform you that the Savannah River Local Section has been awarded \$700! A check will be sent to your Treasurer or Secretary-Treasurer, by Jan. 15, 2004. A final report on the use and impact of these funds by your local section will be due upon completion of your program. Please note that the funds may not be used to support hardware purchases; honoraria or stipends for speakers/trainers/program coordinators; nor may the money be used for alcoholic beverages or meals (other than light snacks).

Congratulations on submitting a winning proposal! \$700 for 1500 attendees is great value! Please send us copies of prepared literature for

Continued...

teachers so that we can study it further. LSAC looks forward to hearing about the success of your proposed activities. Please help us document the success and impact of your activities and programs so that we might share those ideas with other local sections.

Should you have any questions regarding this grant program, please contact Martha Lester, Assistant Director of the ACS Department of Local Section and Community Activities, at m_lester@acs.org or 1-800-227-5558, ext. 4085. Martha's office is coordinating the disbursement of funds to you. Thus she will be able to answer most inquiries immediately. In the event that you have broader inquiries, Martha will refer them to me or other LSAC members as appropriate.

Sincerely,

Yorke E. Rhodes, Chair
Local Section Activities Committee

cc: Dr. Eric Zuckerman

Tues January 13th - Dinner

Dinner will be Chicken on Rice Pilaf, Vegetable Lasagna, Green Beans, Assorted Cakes, Coffee, Tea, and Water.

The location is the 4th Floor of Washington Hall of Augusta State University, Augusta, GA. Walk through the dining hall to the elevators. Washington Hall is on the downtown side of the campus about half way back.

Section Contacts - 2003

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Editor Notes:

Newsletter items should be sent to Bill Spencer.

We also want to encourage you to send your email address to Lewis Baylor so you can receive notices by email. Email and the web site are the best way to rapidly communicate to section members. We use bulk rate mailing and the CSRA Chemist is sent as a low priority, important late announcements are not in the Chemist and unfortunately some have receive snail mail notices late.

If any of our readers would like a nearly 30 years collection of Analytical Chemistry - unbounded. Please contact Bill Spencer. He would like them to go to a good location rather than to the street.

American Chemical Society
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Equitech Int'l Corp.
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