

NAAS Newsletter

Newsletter of the National Academies of Science

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Dr. Howard Pitkow

August 2001 Issue

FROM THE DESK OF THE PRESIDENT

I hope each of you had a productive and relaxing summer. Shortly you will have to come back to the real world. I am happy to report that your NAAS Board of Directors is already hard at work and that the National Academy is in excellent financial shape and ready to take on new challenges. Some committee chairs have changed and members who have requested to become more involved have been assigned to committee positions.

Since I undertook the responsibilities of President in February, I have spent a great deal of time with the day to day operations of the NAAS. In this capacity I have coordinated various NAAS activities with many officers and chairs. I can report that definite progress is being

made at all levels of the Academy.

In my inaugural address at the Annual Meeting in February, when I assumed the responsibilities as your president, I promised to share with you some of my ideas for beneficial change and growth for both the Academy and you the membership. One of the first steps I took, as discussed in the last NAAS Newsletter, was to form a Fund Raising Committee to be chaired by President-elect Dr. Steven T. Case (Mississippi). For the first time, this new committee will interact with the Strategic Planning Committee chaired by Mr. Lynn Elfner (Ohio). In this way we will be in a better position to formulate programs for the membership while still maintaining fiscal responsibility Secondly, in order to serve your needs, both Don Jordan, Editor of the NAAS Newsletter, and myself have been discussing some possible additions to the Newsletter. We are adding the following four new sections to the NAAS Newsletter: Job Opportunities, Book Reviews, Research Grant Opportunities and People and Places Anyone having information on job or.

(continued on page 7)



Dr. Joan Messer

Greeting from AJAS!

By Joan M Messer, PhD

This is your invitation to a ~~AJAS~~ ~~part~~ ~~year~~ ~~leaf~~ science in Boston. Delegates and chaperones are anxious to meet in the heart of Bean Town in beautiful Copley Square. Final plans are in process for the *American Association for the Advancement of Science (AAAS)/ National Association of Academies of Science (NAAS)/ American Junior Academy of Science (AJAS)* national convention held **February 13-17, 2002**. Old North Church, Paul Revere's personal home, and the Big Dig Chinatown, are just some of the attractions that AJAS delegates will enjoy.

Arrival. Plan to arrive midday on Wednesday, February 13th. Plan to remain though most of Sunday, Feb. 17th and then travel home that night. If you wish to stay for additional days of the AAAS conference, you must make your own arrangements with the hotel (see www.aaas.org/meetings/2002).

On Thursday, students will visit and the Peabody Museum on campus. The Student Science Convocation Poster Session (*where all AJAS delegates will exhibit research poster displays*) will open the 168th AAAS meeting on Thursday afternoon. This interactive event continues to be a tremendous success, giving students exposure to a national (continued on page 2)

NAAS Board Members

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National Association of Academies of Science (NAAS) workshop

Proposal by Lynn Elfner, Ohio



Dr. Lynn Elfner

Academy of
Science &
NAAS Board

**Electronic
Publishing
Workshop**
Saturday,
February

16, 2002, in Boston

Sponsored by *Ingenta.com*.

This workshop is to provide state academies of science with a brief overview of electronic publishing and to provide an opportunity for participants to ask strategic questions on the benefits and costs of electronic publishing of primary scientific information. The workshop will also explore the benefits and costs of the secondary markets for scientific information including abstracting and indexing and science journalism or public understanding of science. We would expect about 20-25 journals represented.

Suggested Agenda: for Saturday, Feb. 16, 2001 TIME: 9:30-11:30 AM

Welcome & Introductions

Lynn Elfner, Ohio Academy of Science & Shirley Malcom AAAS Education Director

Overview of Electronic Publishing

- ◆ Representative of Ingenta.com
- ◆ Primary publishing of original scientific papers

- ◆ Secondary publishing (information abstracting, indexing, storage and retrieval)

- ◆ Who pays for what and how much does it cost?

Panel- (Proposed)

- ◆ One or two representatives of State Academy journals
- ◆ Science Magazine Representative
- ◆ Science News published by Science Service
- ◆ Another publisher
- ◆ Science Journalist or editor or electronic journal
- ◆ Editor of State Academies of Science Abstracts (CD-ROM and online)

Take Home Lessons - Summary by

Lynn Elfner

Contact Persons at affiliated academies
Editor, State Academies of Science
Abstracts Example:

South Carolina Academy of Science

<http://www.acadsci.com/>

Richard Huff rhuff@ingenta

Tracy Shaw tracy_shaw@catchword

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Editors Comment: Your comments on the proposed agenda are welcome.

Send to: Jordan@gwm.sc.edu or to any of the above addresses.

(cont. from pg. 1, Joan Messer) audience of The AJAS Awards Banquet and dance will veteran scientists and the press. Following the cap off the day's activities.

poster session, AAAS dignitaries will be introduced and the AAAS President will give the opening keynote lecture. Weather/Dress . Boston's weather in February is usually cold, rainy/snowy and very blustery. Average temperatures range from lows around 0 F to highs in the

On Friday, the NAAS-sponsored event Breakfast with Scientists will start the day. This informal event allows for discussion about careers and mutual research interests (as well as scientific & social issues) between future and veteran scientists. The oral presentations are on Friday afternoon. Bring wool suits, coats, including boots or galoshes (water goes through sneakers), a scarf and/or hat, gloves, and umbrella. A warm raincoat will be handy. Your motto should be: "It's better to be overly prepared than not at all. We will be outdoors, so prepare for it. See you there!"

On Saturday, AJAS delegates will tour Historic Boston. The NAAS board will lunch at Ye Olde Union Oyster House.

NAAS SCHEDULE FOR FEBRUARY 2002, AT AAAS ANNUAL MEETING IN BOSTON

--By Leslie Sue Lieberman



Leslie Lieberman

The June planning trip to Boston for the Feb. 2002 AAAS/NAAS/AJAS meeting went very well. We have a full agenda for the AJAS Delegates and we have allowed more time for the exploration of Boston and to attend the regular AAAS sessions. In keeping with a suggestion made by many NAAS Delegates, we will hold our business meetings in the mornings in order to allow greater participation of the NAAS Delegates in AJAS and AAAS activities. We anticipate that there will be no price increase in the fees this year. Boston does not appear to be as expensive as San Francisco and the AAAS has done a good job of getting reasonable room rates. In addition we have been lucky enough to have Lynn Elfner arrange a breakfast Delegates Workshop sponsored by Ingenta. All of our meeting rooms are in the Marriott Hotel. I hope that everyone is having a terrific summer.

NAAS / AJAS SCHEDULE OF EVENTS**Wednesday February 13, 2002**

- 4 – 5:30 pm Program Committee —AJAS Director s room
- 5:30 — 6 pm Set-up
- 6 — 10 pm Registration and Opening Reception with food (Ballroom BCD)
- 8 — 9 pm Delegates/Chaperones Meeting (Ballroom A)

Thursday, February 14, 2002

- 7:30 — 10 am NAAS Board Meeting with Breakfast (Vinyard & Yarmouth)
- 7:30 – 8:30 am AJAS Continental Breakfast (Ballroom ABCD)
- 8:30 – 9:00 am Transport to Harvard University
- 9am – 3 pm Harvard - lectures, museum, labs and Lunch
- 3 – 3:30 pm Transport to Marriott/ change for poster session
- 4 — 6 pm AAAS Sandwiches (Cape Cod, Hyannis, Provincetown, Orleans)
- 5 – 6:30 pm Set up posters (Ballroom)
- 6:30 – 8pm AAAS Opening Ceremonies (Ballroom)
- 8 – 8:30 pm Stand by posters
- 8:30 – 9:00 pm Take down posters & go to the reception
- 9:30 pm — 11 pm Guest scientist for open discussion with students in the lounge (Stephen Jay Gould may attend) (Simmons) Lounge open to Midnight

Friday, February 15, 2002

- 9 — 11am Breakfast with Scientists (Grand Ballroom G)
- 11am — 1 pm AAAS Sessions- Lunch On Their Own (OTO)
- 1:30 – 5:30pm Oral Presentations (10 rooms TBA)
- 5:30 — 6:00 pm Transport to Durgin Park for

Dinner

- 6 — 8 pm Durgin Park
- 8:30 – 10 Guest scientist for open discussion with students in the lounge (Simmons)
- 10-midnight Lounge open (Simmons)

Saturday, February 16, 2001

- 8 — 9 am AJAS Breakfast OTO
- 8 — 10 am NAAS Breakfast and Delegates' Workshop ELECTRONIC PUBLISHING presented by Catchword-an Ingenta Company (Contacts: Richard Huff/Tracy Shaw and Lynn Elfner) (Simmons)
- 9 am - noon AJAS on Bus Tour of Historic Boston
- 10 – 11:30am NAAS Delegates' Annual Business Meeting (Simmons)
- 11:30 - noon Bus Transport NAAS to Lunch
- Noon — 2 pm Lunch AJAS & NAAS at Ye Olde Union Oyster House
- 2 – 6 pm AAAS sessions/ Hancock Observation Tower/ Shopping/Museums
- 6:30 – 8 AAAS Plenary Session (Sheraton Ballroom)
- 8 – midnight° Banquet and Dance (Ballroom GHIJK)

Sunday, February 17, 2002

Breakfast OTO and Departure {have a safe trip home}

Editor s note: Thanks to Dr. Leslie Sue Lieberman, NAAS Past President, Dr. Joan Messer, AJAS President; Dr. Ed Nelson, NAAS Treasurer, and Dr. Howard Pitkow, NAAS President for producing and organizing such a terrific program.

Book review

Chronic Fatigue Syndrome: An Integrative Approach To Evaluation And Treatment

By Mark A. Demitrack and Susan E. Abbey
The Guilford Press, New York and London, 1999.
317 Pages and Bibliographic Index

As a result of their participation in meetings of the American Psychiatric Association and the first Ciba Foundation Symposium on chronic fatigue syndrome (CFS), the editors, with the aid of other investigators, decided to formulate their own ideas on CFS. These concepts are presented in this informative book which reviews their clinical and theoretical approach to this debilitating disease. The book is divided into three sections: background (historical overview, idiopathic chronic fatigue, psychiatric diagnostic and psychobiology of CFS),

(neuropsychological, psychiatric, and medical aspects of CFS), and treatment (psychotherapeutic, cognitive-behavioral, psychopharmacological, and medically oriented therapy for CFS). The theme of the book stresses an integrative and comprehensive approach to the evaluation and treatment of CFS. The concerned reader will be fascinated by the discussion of the various possible factors that contribute to the development of this elusive and misunderstood condition. Additionally, the many useful figures and tables presented are invaluable in

helping one organize and better understand the text material. At the end of each chapter the reader will appreciate the list of alphabetically arranged and up-to-date reference material, which provides a useful tool for pursuing one's interest in CFS. Based on the depth and sophistication of the subject matter, I would suggest both professionals in graduate medical education and clinical practice use the book.

Howard S. Pitkow, Ph.D.

*NAAS President, and,
Professor Emeritus of Physiology
Temple University School of
Medicine*

AAAS has launched AAASMember.org,

--By Michael Spinella, Director of Membership

If you have not yet visited the site, please log in at <http://aaasmember.org> and check it out. If you do not already have a username and password, you may create one simply by entering your AAAS member number at <http://www.sciencemag.org/sub/activate/basic>

What does this site provide? Here are just a few of the benefits...

SCIENCE ARCHIVES back to 1880 are now available to members. To link to JSTOR, where they are being hosted, first log in to AAASMember.org and then click on JSTOR.

SCIENCE EXPRESS articles are available to members online 4 to 6 weeks before they are printed in Science!

DISCOUNTED SCIENTIFIC BOOKS are available through AAASMember.org. Simply click on

the link to fatbrain.com and enter the Discount Code "aaasdisc" to save up to 10%.

PLUS...coming soon...In the next few months, we will be launching an online AAAS member directory. Want to be listed in the directory when it launches? Visit AAASMember.org, click on "Online Member Services," and then "View/Change Data Privacy Instructions."

Selected sessions at the recent Annual Meeting were video-recorded and enhanced by DigiScript. In addition to being able to view and hear the speaker and read or search the transcript, a/v materials used in the session will be viewable synchronously with the talk. This service will be available via AAASMember.org by early June.

The new AAAS members-only website. Access to this site and all the benefits on it are included with your membership, and are available to members only.

We are always interested in your feedback, and would like to know what you think of the site. Please reply by email at memuser@aaas.org or call (202) 326-6417 with any comments you may have.

We hope you enjoy these new member benefits, and welcome any feedback you may have about the site. Please visit often!

Thank you for being a loyal member of AAAS.

Sincerely,
Michael Spinella
Director of Membership

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<http://www.aaas.org>

<http://www.scienceonline.org>

METRIC FACTS

Metric construction, worldwide ..\$2.6 billion

Nonmetric construction, worldwide ...\$0.8 billion

Based on world construction figures published in ENR, December 4,2000.

Thanks to the spring issue of Construction Metrication Newsletter.

Academy News Academy News

How do State Academies choose students to attend the American Junior Academy Science events at the Annual Meeting of AAAS? How are their expenses met? Thirteen Academies answer these questions below:

By Susan Booth, Virginia Academy of Science

Virginia Academy of Science

Susan Booth

TRIP TO AJAS - NAAS - AAAS MEETING

Description: Two winners and two alternates presenting outstanding papers at the annual meeting will be invited to attend the annual meeting and present their papers as a poster presentation before the American Junior Academy of Science (AJAS) section. Most of the winning students' expenses will be furnished by the VJAS. Depending on its financial status and trip cost, the VJAS will attempt to cover the alternates' expenses as well. Seniors will not be selected for this award.

Procedure: A special panel of judges will select the winners and alternates from among the first place winners in all sections.

Oregon Academy of Science

Peter Langley, OAS & Rosa Hemphill Oregon Episcopal School

Selection is made at the Oregon Junior Academy of Science meeting. They each pay their own way entirely. Oregon only went to the AJAS for the first time when it was held in San Francisco this year. All the students were winners in their sections at the Oregon Junior Academy of Science in March 2000. All seven who went were from Oregon Episcopal School, though there were winners from other schools who did not attend. None of them were given any money to even partly fund the trip to San Francisco so there was a decrease in participation due to a shortage of money. It will be more expensive still in Boston and we will be looking for some financial assistance.

Missouri Academy of Science

Rhys Thomas

In Missouri, the competition starts at the regional science fairs. The top two of each of the six categories go to the state competition. The six winners at the state level (one from each category) compete for two slots for AJAS. The top one is paid by MAS. We have had great difficulty obtaining funding.

Kentucky Academy of Science

Elizabeth Sutton

The Kentucky, Jr. Academy of Science has an annual spring symposium. Students compete by giving a 15-minute presentation of their work. The presentations are judged and first, second, and third place winners are selected. An afternoon finalists session is held. During this session, the sectional winners present their work to a three-member panel of judges. The top two presentations are selected to represent Kentucky at the national meeting. The Kentucky Academy of Science reimburses the two finalists and a chaperone for their expenses from the national meeting.

Oklahoma Academy of Science

Kathleen Donovan

The Oklahoma, Jr. Academy hosts 12 regional competitions from which 60-100 students are selected to compete at the overall statewide Compton. The top 2-3 students in the state, as judged by the state judges, regardless of their area of science, are selected to represent our state. Their financial support, and the support for all of our competitions comes largely from a state grant and to a lesser degree private donations. Our students pay only for a few meals.

Illinois Academy of Science

Peggy Connolly

Our school, Illinois Mathematics and Science Academy uses a combination of state budget funds and private donations. We look on student scientific and scholarly accomplishments like other schools view football-something important that deserves full support.

New Mexico Academy of Science

Lynn Brandvold

In New Mexico, written and oral scientific paper competitions are held in conjunction with the regional Science Fairs; the first and second place winners in both the junior (6-8) and senior (9-12) compete at the State Science Fair. The first place winner in the senior division is awarded a trip to the NJAS meeting. The expenses are paid partly by the New Mexico Academy of

Science and corporate donations, which are currently from Intel.

Ohio Academy of Science

Lynn Elfner

Ohio picks their students at the Academy's Annual Meeting based on peer reviewed abstracts and a formal poster presentation. A small memorial endowment fund in the Academy contributes the \$400 total per year. Only 4 of our students get \$100 each. The John and Ruth Melvin Fund support these efforts. The students raise the rest of the money on their own. We had 13 students participate this year.

Texas Academy of Science

Anne Turner

In the Texas Junior Academy of Science, each student receives a 1, 2, 3, or Honorable Mention in their respective categories. All students who receive a 1 are eligible to attend and present their research at AJAS. The Texas Academy of Science is our major sponsor. They provide travel awards for the trip to AJAS to the top three winners in each division-Natural Science and Physical Science. First place gets \$250, second gets \$200 and third gets \$100. Of course, these awards are intended to offset the students' expenses-they do not cover everything. Most of the students pay their own way. In some cases, the students' school district may cover some or all of the expenses. Travel is taken care of by the students.

California Academy of Science

Gloria Takahashi

Research students in our academic year Research Training Program that starts in July and ends in May attend the annual meeting unless students are picked as delegates to attend the AJAS meeting. Others in other independent research programs make a presentation at the So, CA Academy of Sciences meeting-Junior Academy Sessions. All presenters are judged for their oral and written research papers. Judges familiar with the subject areas of the presenters listen to the presentations and read the students research papers.(cont. on next page)

(cont. from last page). Only those students who have excellent presentation and papers are chosen as delegates to represent the Academy at the AJAS.

Nebraska Academy of Science

Judy Williams

Five high school students are selected as winners at the state competition of NE. Junior Academy Science Fair We have six Regional times 5 students/regional means at the maximum 30 students are competing at this meet. Nine students are selected from the morning round of Compton for the judge backs in the afternoon. All nine of these students will be invited by the Jr. Academy to attend the AJAS/AAAS the following February. The top five winners will have their AJAS registration paid by the NE, Jr. Academy which receives most of its funding from the Sr. Academy. The other 4 students will have none of their expenses paid by the Jr. Academy and must secure their own funds to attend. The six regional directors, that have no students from their region in the final nine, may invite the top student from their region to attend, but no funds are provided by the state level. So in essence, five NE students will have their AJAS registration paid and the individual must pay all other costs.

Mississippi Academy of Science

Joan Messer

In Mississippi's, we have written paper competitions. The best are chosen for orals-usually around 40 papers. Each division picks a winner and first place divisional winners are eligible for AJAS. The divisional winners compete for all-over and second place. These are eligible also. The MAS has about \$1000 to pay for a winner to go to AJAS. It uses it to send one. If more go then the money may be split. Most of the time the parents will pick up the rest of the cost. If the students need to raise it, MAS will give them a letter of support.

Iowa Academy of Science

By Peg Tilgner

Students competing from grades 9-12 at the state IJAS meeting are judged on posters and oral presentations. Scores are averaged and the top two are sent to AJAS by the Iowa Academy of Science. The IAS pays transportation and registration costs for two students. They also select an alternate who is eligible to attend at his/her own expense. The IJAS is funded largely by a grant from Pioneer Company (seed plant of Dupont). Senior students compete for scholarships to Iowa colleges and universities.

Iowa Academy of Science

David McCalley

The Iowa Academy of Science sponsors the Iowa Junior Academy of Science and pays the expenses for two and occasionally three select students to attend the AAAS/AJAS meeting each year. We have been paying this from Academy funds but have recently received support from the Iowa Space Grant consortium and have additional support from a long time Academy member. In addition, students participating the three major sciences in Iowa receive an expense paid trip to the International Science fair. There are, collectively, four students involved in this trip. One other science fair is oriented toward agriscience; their winner goes to the national FFA meetings with expenses paid.

Iowa Academy of Science

Walt Reemtsma

In Iowa we have four major science fairs: two regional, a state and an Ag fair sponsored by the FFA. Students who placed in the oral seminar contest or placed in the top three with their exhibits or the top five in the case of Ag fair are invited to present their oral seminar at the spring meeting of the Iowa Academy of Science. Three students are chosen from those who present to represent Iowa that AJAS. There expenses are paid for by the Iowa Academy. The official chaperone is the director of the Junior Academy of Science and if the student's teacher goes along those teachers seek their own funding. In my case and I think in most cases the school district picks up the tab for the teachers.

South Carolina Academy of Science

Don Jordan

Students must present a paper at the Annual meeting of SCJAS to be eligible to attend AJAS. They must have one of the top papers of the fifteen (15) categories. The SCJAS Judging Committee selects two to four students to attend. Initially we only guarantee full funding to two students, however we usually find funds to send four to ten students and two teachers to the AJAS Annual Meeting. Sometimes the school will pay one-half of the cost. We also recommend that the middle school best paper attend the annual meeting, with funds coming from the Middle/Elementary School Academy of Science (MESAS). We are financed by a Trust Fund, which Dr. John Michener, the SCJAS Founder, and I developed in the late 80's. In Addition the office of SCAS is financed by the South Carolina State Legislature at \$100,000 per year with 50% of these funds going directly to students for trips, cash awards, grants to do research and travel to SCJAS & MESAS events.

The goal of our State Academies is to secure more funds to offer more financial support so we may increase the number of students attending the American Junior Academy of Science (AJAS) at the

Annual Meeting of AAAS. Hopefully, through the above ideas and the suggested sources for funding --- we may work together to accomplish these goals.

Georgia Academy of Science

--by John V. Aliff, Ph.D.

Editor, GaJSci

One hundred and sixty one papers were presented at the 87th annual meeting, over one half were graduate and undergraduate research. The peer reviewed Georgia Journal of Science is now published on-line by the Gale Group and Proquest. The Georgia Science Olympiad, sponsored in part by the Academy, high school program has 121 teams with a total of about 1575 students. Fifteen colleges and universities host tournaments. Every team competes at one regional tournament and the top 20% of the teams from each regional tournament compete at the state tournament. The top two teams then compete at the national tournament. Current grant support is year three of a four year NSF grant of \$526K to evaluate the impact of GSO, a grant of 125K from the state of Georgia, and over 35K from various corporations. Dr. Milton Stompler of Georgia State University is the GSO director.

Hawaii Academy of Science

--by Shiyana Thenabadu

Hawaii Academy of Science Sponsors two Lectures by a NASA Astronaut

"Building the Space Station: Construction Work in Space," was the title of the lecture given by NASA mission specialist Dr. Ed Lu at Punahou School's Cornell Lecture Hall on April 3.

The Hawaii Academy of Science (HAS) in partnership with the Institute for Astronomy at the University of Hawaii, the Punahou School and the American Chemical Society - Hawaii Chapter, sponsored the public lecture(cont on next page).

(cont from last page) During his short visit to Honolulu, Lu also served as a celebrity judge at the 44th Hawaii State Science and Engineering Fair, a science education program sponsored by the HAS since 1958. Lu talked to the science fair participants about life on the space station.

The students had a lot of questions for the astronaut. How do you become an astronaut? Study science and engineering. What do you take with you when you go on a space mission? Macadamia nuts!

Lu, a former researcher with the University of Hawaii's Institute for Astronomy, was selected by NASA in December 1994 and reported to the Johnson Space Center in March 1995. He completed a year of training and evaluation and qualified for assignment as a mission specialist.

Lu's space flight experience includes STS-84 Atlantis (May 15-24, 1997), NASA's sixth Shuttle mission to rendezvous and dock with the Russian Space Station Mir. In completing this 9-day mission, Lu traveled 3.6 million miles in 144 orbits of the Earth logging a total of 221 hours and 20 minutes in space. He was also on STS-106 Atlantis

(September 8-20, 2000).
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NAAS Conference Call

NAAS Board of Directors
Conference Call Meeting Agenda.
(September 5, 2001----1:00PM-3:00PM Eastern Standard Time)

- 1- Call to Order
- 2- Approval of Conference Call Meeting Minutes of September 1, 2000.
- 3- Adoption of meeting agenda
- 4- Officer Reports
 - a- President--Howard Pitkow
 - **** b- Secretary--Assad Panah
 - **** c- Treasurer--Edward Nelson
 - **** d- AJAS Director--Joan Messer
 - **** e- President-Elect--Steven Case
 - **** f- Past-President--Leslie Lieberman
 - **** g- Newsletter--Donald Jordan
 - **** h- Archivist-- Lynn Elfner

- **** i- AAAS Delegates--Ertle Thompson/ David Hsi
- 5- Committee Reports
 - **** a- Strategic Planning (Elfner) Fund Raising (Case)
 - **** b- Program-- Leslie Lieberman
 - **** c- Nominations-- Leslie Lieberman
 - **** d- Recognition and Awards-- Leslie Lieberman
 - **** e- Audit-- Steven Case
 - **** f- Finance-- Edward Nelson
 - **** g- Membership-- Assad Panah
 - **** h- Breakfast with Scientists-- Steven Case
 - **** i- Web Master-- John Safko

- 6- Old Business
- 7- New Business
- 8- Adjournment

If you would like to place an item on the NAAS Agenda, please contact

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From The Desk of the President

(continued from page 1) research-grant opportunities originating within the various states or the Federal Government should communicate this information to the NAAS Newsletter Editor, Dr. Donald Jordan by E-mail at jordan@gwm.sc.edu. As for the Book Review Section, please make sure your book review is limited to 250 words or less and deals with a scientific topic that is timely, current, and of interest to the general membership. The publication of submitted book reviews will be at the discretion of the NAAS Newsletter Editor (jordan@gwm.sc.edu). The section on People and Places will be devoted to both accomplishments by individual members (i.e., promotions, awards, scientific presentations, and other academic successes, etc.) and notices of scientific meetings of interest to the general membership. Again, as with the other new sections (i.e., Job and Grant Opportunities, Book Reviews), this information should be submitted to the Newsletter Editor at jordan@gwm.sc.edu. These four sections will enable you to be

better informed about the job market and research-grant opportunities in your area of expertise as well as keep you abreast of current and informative books in science. Our National Academy cannot survive and be productive without the participation of its members. How many of your colleagues are members of the NAAS? It is your responsibility to motivate those who are not members to join now and help us promote the importance of scientific research. It is not so much the extra dues revenue that will enhance our National Academy but rather their participation in Academy activities and meetings as well as their understanding of our objectives and goals as a scientific community. Likewise, I encourage all our members to become involved with their academy. Do not feel shy about asking to join one of our NAAS committees. We need members who are articulate and can communicate our objectives and goals to both the public and our legislators. Remember the life s blood of any society is its membership.

In future Newsletters I will discuss some of ideas I have for constructive change a growth as well as National Academy busine and accomplishments. In the meantime, ask colleague to join us. If you have any ideas suggestions you would like to explore w me, please let me hear from you. To those you who have written or called me, I want express my heartfelt thanks for yo encouragement and constructi recommendations.

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Mark Your Calendars!!

AAAS Conventions

AAAS Website: <http://www.aaas.org/>

Feb. 14 — 19, 2002:

Boston, Massachusetts

February 13 — 18, 2003:

Denver, Colorado

February 12 — 17, 2004:

Seattle, Washington

February 17 — 22, 2005:

Washington, D.C.



NATIONAL ASSOCIATION OF ACADEMIES OF SCIENCE NCE

NATIONAL ASSOCIATION OF ACADEMIES OF SCIENCE

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NAAS REPRESENTED AT THE NATIONAL ACADEMY OF SCIENCES PLANNING MEETING ON THE ROLE OF STATE FUNDING OF RESEARCH

Invitations were extended to Drs. Leslie Sue Lieberman and Howard Pitkow and the presidents of the state and regional academies to attend a one day planning meeting sponsored by the Committee on Science, Engineering and Public Policy (COSEPUP) on July 13, 2001 on the role of states in funding research. Dr. Lieberman attended and addressed the role of professional societies as stakeholders in the research enterprise and educational pipeline issues. Speakers represented universities, federal and state governmental agencies, and private research organizations. The discussions addressed four broad questions:

1. Why do states fund research? The primary reason for science and technology (S & T) research funding is economic development including new jobs, spin-offs and incubators, and production firms. The leveraging of federal research money is secondary.
2. What are the states' strategies for funding? The states bolster the university systems with capital monies for buildings to develop the infrastructure and through targeted endowments to attract top researchers who in turn attract R & D money. However, funding for state universities, in general, has been declining as a proportion of research dollars since the 1980's. Consortia among universities, government and private industry is growing in importance. More recently, states have spent more on K-12 science and math education. States also spend money on 'missions': health (especially the tobacco money), transportation, environment, natural resources and energy. States directly fund S & T development with seed money, tax breaks, etc. for strategic research issues.
3. How are states leveraging these investments? Some federal agencies such as NSF have new programs that have a state "match". Other agencies such as DOT, EPA expect state matches. A number of federal agencies have EPSCoR programs (Experimental Program to Stimulate Competitive Research) .Data were presented clearly showed successes in a number of areas for attracting federal money with initial inputs from state programs.
4. How are states evaluating the outcomes of these investments? Arguments were made to include process/ programmatic evaluation data and not just outcome data for more comprehensive evaluations. One of the problems identified was a lack of comparable and generally applied evaluation criteria. There was a Leslie Sue Lieberman call to try to develop a " best practices model" document.

This is just a thumbnail sketch of the materials that were discussed. I have approximately 1000 pages of briefing documents. Please contact me if you need more information. I will keep the NAAS members informed if there are follow-up meetings.

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