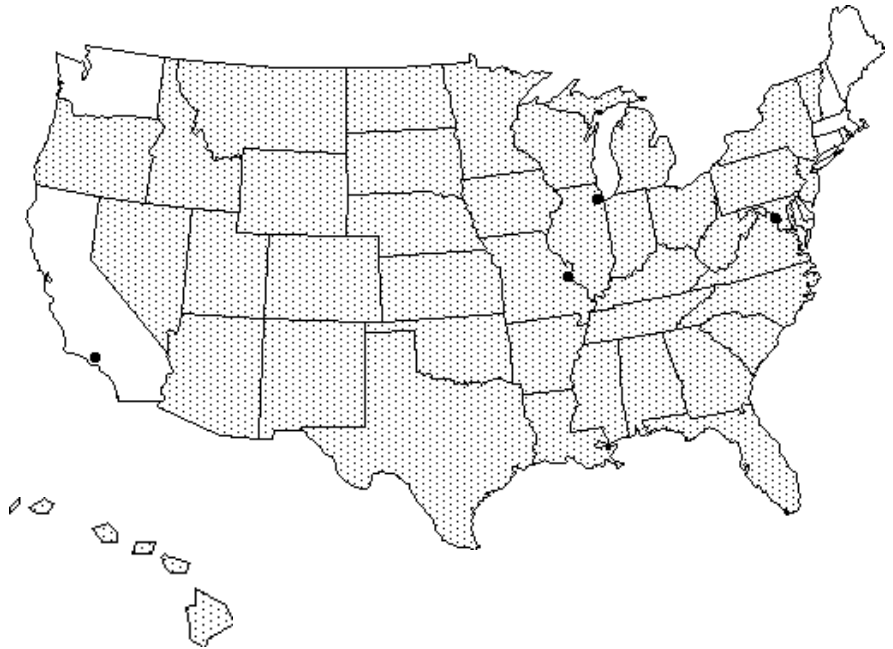


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## Proceedings of the NAAS



- Minutes, Conference Call, 30 July 1997
  - Minutes, Board of Directors, Philadelphia, PA, 12 February 1998
  - Minutes, Assembly of Delegates, Philadelphia, PA, 14 February 1998
  - Minutes, Conference Call, 14 July 1998
  - Minutes, Conference Call, 20 November 1998
  - NAAS Membership and Dues, 1998
  - NAAS 1998 Workshop
  - NAAS Meeting Locations and Presidents, 1926–1998
  - NAAS Distinguished Service Awards, 1962–1998
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**Proceedings of the NAAS  
MINUTES  
CONFERENCE CALL, 30 JULY 1997**

The meeting was called to order at 12:00 Eastern Daylight Savings Time by President J. G. Rodriguez and the agenda was approved by a voice vote. The minutes of 13 February 1997 board meeting was approved as amended and corrected.

**Committee Reports**

**President's Report:** President J. G. Rodriguez reported that the meeting in Washington with Shirley Malcom went well and as a result of the meeting, Shirley Malcom has a better understanding of the goals and objectives of NAAS. At the Philadelphia meeting, AAAS is planning to have a display on the history of AAAS and the State Academies of Science. They asked each Academy to submit a history and letter of support of AAAS by 30 November 1998. They are also encouraging each academy to develop a 1-2 minute video that would include academy activities, along with greetings and congratulations to AAAS on their 150th. anniversary.

President Rodriguez also indicated a need to develop an Operations Manual for the NAAS Board that would include the duties of each officer. Lynn Elfner suggested that a basic outline be developed for each officer. President Rodriguez responded that it would be better if each officer prepared his own outline. Ollin Drennan suggested that each officer be sent a copies of the old outline of the duties of their respective duties and they could be updated in accordance with the current duties of the office. Ollin indicated that that the duties and responsibilities of officers continually evolve, the each officer should to a self-evaluation of their duties and responsibilities. President Rodriguez indicated that the term of officer and description of the Secretary and Treasurer has not been changed in the Constitution. Fred Brenner stated that this was an oversight in the 1994-95 printing of the Handbook and it will be corrected in the 1997-98 issue of the Directory, Proceedings and Handbook.

**Past President's Report:** Gene Kritsky reported that in the meetings with AAAS that there was a discussion concerning publishing the Proceedings as a bound volume and using a Web Page for the Directory. The Proceeding and Handbook would contain the minutes and the constitution and by-laws and then there would be a separate Directory using the NAAS and AAAS Web page. Gene indicated that between 25 and 30 academies currently have Web pages. In addition, Gene suggest that workshop themes could also be placed on the Web page and that Web pages have higher activity that bound volumes.

Don Jordan indicated that we are not ready for using a Web page format at the present time and that according to our constitution, we are required to publish a bound *Directory, Proceedings and Handbook*. Lynn Elfner stated by using a Web page format, the directory could be updated on a regular basis since it is an evolving document. Motion by Lynn Elfner, 2nd by Gene Kritsky that the Proceedings be published as a bound document and the Directory be published using electronic media in a loose leaf format. Motion approved by vote of 9 yes, 2 no. Ollin Drennan moved that the previous motion be implemented as soon as possible with a target date of the year 2000. Motion approved by a vote of 11 yes, 0 no.

Gene Kritsky indicated that Cabrini College will serve as the local host for the AJAS. Several of their faculty will attend the Breakfast with Scientists and they will cover the transportation costs of students in Philadelphia.

**President-Elect Report:** Judy Parker reported that as of this date, she has not secured funding for **the Breakfast with Scientists**.

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**AJAS Report:** Director Gloria Takahashi reviewed the plans for the Philadelphia Meeting. Gloria stated the AAAS meeting office has been very cooperative in planning for the meeting. Student oral presentations will be held from 0800 to 1300 hr on Friday, February 13 in the Marriott Grand Ballroom and the poster session will be held in the Grand Hall of the Convention Center on the same day. Breakfast with Scientists will be from 0800-0930 hr in Room 108 A & B of the Convention Center which will be followed by Youth Meets the Masters in the same room. The VIP tours on Thursday, February 12 will include a tour of Independence Historic Park and the University of Pennsylvania Museum of Archaeology. Following the Poster Session there will be a trip to the Philadelphia Academy of Natural Sciences which will include dinner. The George Shoffstall Lecturer for the AJASNAAS Recognition Banquet on Saturday, February 14th will be Dr. Keith Thomson speaking on the topic "The Living Fossil" and the "Beagle Record".

**Treasurer's Report:** Ollin Drennan reported that he was beginning to receive dues for member academies. Ollin indicated that the Finance Committee will have a report and budget and audit recommendations at the February Board Meeting..

**Newsletter Editor:** Don Jordan reported that the August Newsletter will contain eight articles and that the newsletter will be published quarterly.

**Archivist:** No report, but Lynn Elfner indicated that he will continue to work on the strategic plan.

#### Members in Attendance

J. G. Rodriguez  
Gene Kritsky  
Fred J. Brenner  
Ollin Drennan  
Lynn Elfner  
Gloria Takahaski  
Don Jordan

Neil Berman  
Leslie Sue Lieberman  
Ertle Thompson

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**Proceedings of the NAAS**  
**MINUTES**  
**Board of Directors Meeting National Association of Academies of Science**  
**Thursday, February 12, 1998**  
**Philadelphia, PA**

**Call to Order:** Meeting was called to order at 0813 hr. by president Juan G. Rodriguez.

**Approval of the Agenda:** A motion to approve the agenda was made by Leslie Sue Lieberman and seconded by Ertle Thompson. Lynn Elfner amended the motion that the meeting would end at 1200 hr. The amended motion was approved by a voice vote.

**Approval of Minutes of the Conference Call:** The minutes the 30 July 1997 Conference were distributed by Mail. Fred Brenner asked to have any additions and/ corrections returned as soon as possible. The minutes of the 30 July 1997 Conference Call were approved as amended and/or corrected.

**Officer Reports**

**President:** Following the introductions by the members of the board. President Rodriguez thanked Don Jordan for producing an excellent Newsletter. President Rodriguez inquired about the cost of the Newsletter and wondered if NAAS was billed for the printing and mailing. Ollin Drennen indicated that we paid a total of \$680 for printing. President Rodriguez stated that associate editor Sei Harman did a considerable amount of work on the Newsletter and she should be provided with an honorarium. The matter was deferred until Don Jordan could be consulted as to the amount of the honorarium. President Rodriguez thanked Lynn Elfner for keeping the members of board informed on education issues from the Triangle Coalition for Science and Technology's Electronic Bulletin Board via E-mail. President Rodriguez thanked the Pennsylvania Academy of Science for their contribution of \$4000.00. PAS president Howard Pitkow indicated that the Pennsylvania Junior Academy contributed \$2000 and the remainder was contributed by the senior academy. Dr. Pitkow thanked president-elect Assad Panar and Immediate Past President Fred Brenner for their support in securing these funds. Ollin Drennan raised the question concerning the funds accumulating in the Dallas Cocke Funds and how these monies should be used since the NAAS stopped giving student awards and should these funds be used to pay an honorarium to the dinner speaker or should other funds be used for this purpose. The matter was deferred for discussion under new business. President Rodriguez thanked Gene Kritsky for obtaining the support of Cabrini College. Gene explained that Cabrini College contributed \$1500 toward the transportation costs of student field trips and that three of their faculty will attend the Breakfast With Scientists. President Rodriguez indicated that we should continue to strive to improve communications with AAAS, but that the AAAS representatives to the NAAS board could not participate in the summer conference call because of previous commitments. President Rodriguez suggested that AAAS needs to develop a closer relationship with the state academies of science. He further suggested that NAAS needs to be more interactive with AAAS. President Rodriguez raised the issue of the need for a Central Office for NAAS that would handle the day to day activities and communications with AAAS and member academies. President Rodriguez suggested that perhaps we should go directly to the elected officers of AAAS and arrange an appointment with the President of AAAS. Gloria Takahashi indicated that the incoming AAAS President will attend the Youth Meets the Masters Program and this would provide an opportunity to open discussion with AAAS officers. Lynn Elfner stated that at the meeting of affiliates last year, the staff came in with an agenda that was a little obtuse and did not address the concerns of the affiliates. Lynn further indicated that academies were not included in the questionnaire on AAAS programs distributed to their affiliates. The establishment and maintenance of the NAAS Web Page was discussed and it may become necessary to employ a Web master.

**Secretary:** Fred Brenner distributed copies of the 1997-98 Directory, Proceedings and Handbook to

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the members of the board. Fred indicated that Barbara Walthall was excellent to work with at AAAS and she should be commended for her work on behalf of NAAS. Fred stated that in his three years as secretary, he has published four issues of the proceedings in three years. Lynn Elfner stated that Fred should be commended for his efforts on behalf of NAAS and for his working relationship with the AAAS staff. It was moved by Lynn Elfner and seconded by Ertle Thompson that a letter be sent to the AAAS Director and President commending the outstanding work of Barbara Walthall on behalf of NAAS.

**President-Elect:** Judy Parker indicated that 27 scientists including three faculty members from Cabrini College will attend the Breakfast With Scientists. Judy thanked 3M for their support of the Breakfast With Scientists.

Point of Order: President Rodriguez acknowledged Dr. Shirley Malcom of AAAS and welcomed her to the meeting of the NAAS Board.

**Treasurer:** Ollin Drennan distributed copies of the treasurer's report (Appendix B). Ollin indicated that the cash flow gets a little low because we have not used the interest from certificates of deposit for operating. Ollin stated that the majority of the income occurs in December. Ollin indicated that the Income and Expense statement includes income and expenses from both the Seattle and Philadelphia Conventions. Ollin suggested that because of the cash flow, it might be better for the Fiscal Year to be from 1 July to 30 June rather than 1 January to 31 December. This would provide a better indication of the annual cash flow. Ollin distributed a list of the Academies that have paid their 1997 dues. Ollin stated that the 1998 dues notices will be mailed by the end of February. Several board members expressed their concern over the Maryland Academy redrawing from NAAS since they have a large membership. Fred Brenner indicated that it is his understanding that everyone who pays admission to the Maryland Science Museum is a member of the Maryland Academy of Science. Shirley Malcom stated that there have been a lot of leadership changes, and perhaps we should offer to assist them with youth science programs. Ertle Thompson indicated that before there was a dues cap, Maryland was the major contributor to NAAS. Ollin distributed a list of the states that sent students to AJAS. Leslie Sue Lieberman stated that according to the Directory, Maryland has a variety of programs. Claire Oswald asked that by comparing June to June, if the cash balance would be about the same. Ollin indicated that it would be very close, but we should consider transferring the interest from the CD into the checking account. Ollin indicated that with an income of \$6400 and expenses of \$5600, must be paid either from income or surplus from the annual conference.

**Past President:** Gene Kritsky indicated that there were three items to be considered in his report. The first item is that the Web Page is up and running. The Web Page consists of four parts: Linkage to AAAS, Linkage to State Academies, latest Science and Technology News, and the Broad of Directors. Gene indicated that he will manage the Web page for another year, but we need to employ a permanent Web Master or Designate someone to manage the Web Page. Howard Pitkow stated that GEOCITY offers a free WEB Page. Gene indicated that the Workshop will be at 1200 hr on Saturday, and that lunch will be provided. The cost of the lunch will be \$1013. In the past, Delegates have been asked for a donation of \$5. Ollin Drennan indicated that the cost should be paid by those attending the workshop and at \$5.00, we would need to contribute \$600.00 from treasury. Gene will suggest a donation of \$10. Shirley Malcom suggested that perhaps we should consider a sponsor for the workshop, but stated that AAAS would contribute \$400 toward the workshop. Speakers at the Workshop will be Marie Sofner AAAS, Lynn Elfner, and Gene Kritsky. The topic will be a discussion of the development of Web pages and other forms of electronic communication.

The following motion was presented by Gene Kritsky and seconded by Lynn Elfner. The Executive Committee of the National Association of Academies of Sciences encourages member academies to designate a member of their academy to serve as a liaison to the National Council for Science Education. This member will be the point for communication between the NCSE and the Academy when

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issues threaten the teaching of science in their state. The member should be familiar with members in all regions of the state from the various disciplines with good communication skills to help teachers needing support in the teaching of evolution, be able to work with local media, and be able to testify at school board meetings, state assemblies, and coordinate a local response. The member will contact the NCSE when the science curriculum is threatened in their state. The NCSE will contact the liaison when they become aware of threats to science education in the state. Motion was approved by unanimous voice vote.

**Archivist:** Lynn Elfner stated that the archives are registered and available to the public at the Ohio Historical Museum. Richard Raridon (Tennessee) has agreed to write the NAAS history through the year 2000 and Lynn will work with Richard to provide materials. The goal is to have a folder in the archives for each academy. President Rodriguez indicated that State Academy Officers were invited by AAAS to provide a history of their Academy for exhibit at this 150th meeting of AAAS. We should inquire as to what AAAS plans to do with these histories after the meeting..

**Representatives to AAAS Council:** Ertle Thompson stated that the major items to be discussed will be the requirement that all nominators for must be dues paying members of AAAS. Affiliates must designate a representative to at least one section, each affiliate may designate a representative to up to five sections. Claire Oswald stated that items to be considered for the agenda and resolutions must be submitted in writing 60 days prior to the date of the meeting. A discussion will be held on how to improve communication with the membership of AAAS. The committee on council affairs indicated that they would not bring to council a proposed on the traditional use of laboratory animals in scientific research. A 1990 resolution was brought forward on scientific freedom which addressed this issue. A resolution on environmental hazards will not be brought forward to council. The proposed 1998 budget is a \$414,000,000 and there has been change in 1% decline in AAAS membership. Don Jordan stated that AAAS has money for EPSCOR program which will provide monies to state academies. Don Jordan indicated that the scientists are still being threatened in some foreign counties and all science faculty at a University in Africa were killed last year.

**AAAS Representatives to NAAS:** No report.

**AJAS Director and AJAS Program Committee:** Gloria Takahashi distributed copies of her report, a list of student participates and an updated program. Since 1990, there has been a trend toward an increase in the number of students participating in the national meeting. There are more students involved than just the 102 presenters. Gloria reiterated the fact that the number of girls majoring in science decline at the college level especially mathematics. Gloria thanked Helen Erickson from the Pennsylvania Junior Academy of Science for arranging the tours, and Gene Kritsky for obtaining funding for transportation from Cabrini College. Gloria stated that the committee for this year's meeting was great and an asset in planning the meeting. The 150th convocation show case featuring AJAS student posters will be presented this afternoon, along with students from the Franklin Institute. Gloria stated the students from the Franklin Institute appear to be a very focused group. Due to President Clinton's speech on Friday Morning, student presentations will be from 0700hr to 1 00 hr and the poster session will be from 1500 to 1700 hr. At the Banquet, the award winning author, Keith Thompson will speak on the topic "The Search for a Living Fossil". Gloria indicated that Sidney Wang from California and Lindsey Rodgers from Nebraska should be added to the list of presenters. Gloria apologized for omitting Leslie Sue Lieberman and Neil Berman from board of directors in the banquet program. Gloria indicated that one of the field trips would be to the Philadelphia Museum of Natural Sciences and that they will provide dinner for the students. Gloria suggested that it would be helpful if State Academies would support their AJAS participants and that each academy should designate a contact person for AJAS. Gloria indicated that a major focus between now and the year 2000 should be to groom someone for the position of AJAS Director. Judy Parker indicated that it is often less difficult to fill a

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Co-Chairman position. Howard Pitkow suggested that perhaps the appointment of four sub-chairman to report to Gloria would ease the workload of the AJAS Director. Ertle Thompson reviewed the history of the AJAS Director. He indicated that in the transition between directors, Bill Smith recruited Dallas Cocke and when she became ill, Dean Decker took over as AJAS director. All members of the board indicated their support for Gloria and the remarkable job she does with AJAS activities. Gloria thanked Ollin Drennan for his efforts on behalf of AJAS and she indicated it is a great help to her when the Treasurer is always available to assist with the finances. Gloria indicated that Public Science Day should be announced to the local schools and when the AJAS students are presenting their papers. Gloria stated that a number of states participate in the Westinghouse Science Search, but they do not send students to AJAS.

#### **Committee Reports:**

**NAAS Program:** Gene Kritsky reviewed the workshop program. Gene Kritsky made the motion and seconded by Lynn Elfner that the banquet speaker be provided with an honorarium of \$250.00. Motion was approved by a voice vote. Gene indicated that he asked Keith Thompson to speak for 20-25 minutes. Gene stated that he will distribute a news release on Saturday morning.

**Nominating:** Chairman Gene Kritsky presented the following slate of officers: President-Elect: Fred Brenner-Pennsylvania; Secretary: Howard Pitkow-Pennsylvania; Archivist: Lynn Elfner-Ohio; AAAS Council Representative: David Hsi-New Mexico; Member-at-Large: Neil Berman-Arizona-Nevada.

**Audit:** Chairman Leslie Sue Lieberman stated that she reviewed the accounts including the profit and loss statements and the check book and indicated that all transitions were well documented, but a formal audit by CPA should occur when there is a change over of Treasurers. Lynn Elfner indicated the term a CPA, review would be better than a CPA audit. Ollin Drennan indicated that the changes in account numbers was due to a number of bank mergers and that some banks will not return canceled checks. He stated that another issue is that current Certificates of Deposits return approximately 5.5 percent return on the principal. Ollin indicated that he has concerns about recommending investments, but we may be able to improve our return. Claire Oswald asked if a flexible investment strategy could be proposed.

**Finance:** No Report.

**Newsletter:** President Rodriguez thanked Don Jordan for his work with the Newsletter. Don indicated that at present, three issues a year appears to be the best based on costs and material to be included in the different issues. Don stated that the mailing data base needs to be updated. At present 800 newsletters are being distributed and that all AAAS sections will be included in the data base. Don suggested a \$100 honorarium for Sei Harman, Associate Editor would be in order to acknowledge her contributions to the newsletter. Don stated that the best way to send in articles is by E-mail. Ertle Thompson moved and Lynn Elfner seconded the motion that an honorarium of \$100 be provided to Sei Harman. Motion Approved. Don indicated that the bulk mailing are being absorbed by the South Carolina Academy of Science and that printing costs may be able to be reduced.

**Recognition and Awards:** Gene Kritsky stated that awards would be presented to the Pennsylvania Academy of Science, Cabrini College and 3M corporation for their support of the 1998 meeting. Gene indicated that another award would be announced at the banquet.

**Strategic Planning:** Lynn Elfner indicated that he does not have sufficient time to devote to this issue, but there is a committee in place. Gene Kritsky stated that based on the strategic plan of the Ohio Academy, Indiana restructured its entire academy. President Rodriguez stated that Richard Raridon will be at the meeting and has agreed to write history of NAAS up to the year 2000.

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**Old Business:** President Rodriguez announced that in the last three weeks, Past President Dudley Peeler put together an Operations Manual and the duties of officers and the Board of Directors of the NAAS. Lynn Elfner asked if comments and suggestions should be sent directly to Dudley. President Rodriguez responded that each officer should review their respective duties and if necessary, provide a time line each activity. Claire Oswald stated that we should follow the Constitution and By-laws in outlining the duties of each Officer.

President Rodriguez indicated the Breakfast with Scientists is separate from the Meet the Masters Program and that they should stand alone in their evaluations by students. Gloria Takahashi suggested that the students evaluate the programs immediately after they occur. Ollin Drennan suggested that the State Delegates interview their students to provide addition evaluations of the programs. Judy Parker indicated that we should use a variety of procedures to get feedback from students and perhaps they should be reminded after each event to include their comments on the evaluation.

After the Seattle meeting, a member of the Mathematics Education Faculty at the University of Washington expressed concern about the quality of science in the student presentations. Lynn Elfner indicated that quality is extremely variable, but the AJAS student posters are a step above other posters at meetings. Lynn further commented that some problems remain with the abstracts in that they should be a true abstract and not a summary. Ollin Drennan raised questions about the philosophy of research and that there may be problems with how students perceive research. Neil Berman suggested that we attend the poster session and talk with students about their projects. President Rodriguez asked if there are any students who attend AJAS who has not won at the state level. Lynn Elfner indicated that projects in Ohio must be research based. Ollin Drennan stated that there is no competition in the St. Louis Academy and it is not related in any way to the Missouri Academy of Science. Ertle Thompson indicated that perhaps we should discuss the matter with students. Don Jordan indicated that the mathematics projects are generally good science.

Student Journal: Gloria not feasible.

#### **New Business**

President Rodriguez indicated the we need a procedure in place that allows for a timely response to problems demanding action between regularly scheduled meetings of Board of Directors. A recent example was the request that we join as a Friend of Court in the Columbus Discover America federal court action. Lynn Elfner indicated that the problem exists in Ohio as a specific legal issue in the default on a contract and there is a concern, that a present, a mechanism is not in place to deal with these issues. Leslie Sue Lieberman suggested that this could be handled by using E-mail and Lynn Elfner confirmed that this would probably be the best way to address the problem. Ertle Thompson asked if the board of directors can act of legal issues of behalf of the organization between meetings of the delegates. Lynn Elfner indicated that part of the issue is the fair representation of membership and that most non-profit organization require that a member be present to vote unless the by-laws allow for a mail ballot- if it is deliberation body, they must deliberate. A Motion was provided by Leslie Sue Lieberman and seconded by Neil Berman that when issues arise between meetings and conference call that deliberations and vote on the issues occur using E-mail. Motion approved.

Gloria indicated that students from the UNISYS Program at the Franklin Institute will be included in the Poster Session and that these are essentially science fair projects. Gloria stated that she does not know who set up the program, but an article was published in Science on Public Science Day and featured UNISYS program. Howard Pitkow indicated that we need more information on the program and asked why the Pennsylvania Academy and Pennsylvania Junior Academy were bypassed by AAAS. Fred Brenner indicated that the Pennsylvania Academy and Junior Academy of Science are not a well kept secret in the Philadelphia Area. Lynn Elfner stated that Ohio Academy, students projects should be research based and not about science and students should not be mixed. Don Jordan indicated that if AAAS is meeting in a state that has a junior academy, they should coordinate their efforts on student presentations with the respective state academy. Gloria indicated that she would update the announcement for student presentations. Don Jordan stated that he would publish the updated announcement in

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the Newsletter. As a point of information, Don Jordan indicated that the Office of Metric Information has an exhibit at the meeting.

President Rodriguez introduced Dr. Mark Saul, Director of the Research Science Institute at MIT. Dr. Saul indicated that the program was founded 15 years ago by Admiral Rickover to get students into government laboratories. The institute is now housed at NUT and 50 students from the United States and between 20-30 from other countries take part in the program each summer. The program is supported by Center for Excellence in Education. The students are housed on campus and the program consists of five weeks of learning about research and then do an internship. Dr. Saul indicated that these are high quality students and each student writes a paper and presents an oral report. Of the 50 students from the United States in the program, there were 15 semifinalists and 8 finalist in Westinghouse Science Talent Search. Gloria Takahashi asked if the students selected had previous research experience. Dr. Saul responded that most have had some research experience. Leslie Sue Lieberman asked if the students selected were primarily juniors and seniors. Dr. Saul indicated that seniors tend to pass through admission process. Lynn Elfner asked if there was literature available or a Web site available that explains the admission process. Dr. Saul responded that many web sites are available that explain the program. Lynn Elfner indicated that this program would provide additional research experience for high school students since the Young Scholars Program is currently not being funded by NSF. Gloria Takahashi stated that we need to explore how such students may become involved with AJAS. Gloria indicated that the director of Science Center in Boston is interested in Junior Academy of Science Program and there is a need to develop an Academy in the Boston area since students need an academy affiliation to participate in AJAS.

Being that there was not further business, the Meeting adjourned at 1235 hr upon a motion by Lynn Elfner and second by Gloria Takahashi.

Respectfully Submitted,

Fred J. Brenner, Secretary

#### **Appendix A**

##### **Members Attending**

J.G. Rodriguez  
 Fred J. Brenner  
 Ollin Drennan  
 Lynn Elfner  
 Claire Oswald  
 Neil S. Berman  
 Ertle Thompson  
 Judith E. Parker  
 Gloria Takahashi  
 Gene Kritsky  
 Shirley Malcom

##### **Others in Attendance**

Howard S. Pitkow--President, Penn. Acad. of Science  
 Assad Panar-- President-Elect, Penn. Acad. of Science  
 Edward N. Nelson--Oklahoma Acad. of Science

**Proceedings of the NAAS  
Minutes  
Assembly of Delegates  
Saturday, February 14, 1998  
Philadelphia, PA**

**Call to Order:** the meeting was called to order at 1604 hr by President Rodriguez. President Rodriguez asked all members present to introduce themselves and indicate their academy affiliation.

**Point of order:** President Rodriguez asked Don Jordan to introduce Gerald C. Lannelli of National Institute of Standards and Technology (NIST) to discuss the metric conversion program. Mr. Lannelli indicated that the transition to metric was going well in education, business and transportation, but there remains resistance in the residential construction industry. Teachers in grades K-12 are teaching the metric system. The concept of using metric was introduced at the Atlanta Olympics, but after 25 years in the United States and 35 years in the British Isles, the public is still not on board with the metric system. The change of highway signs from the English to metric has not overcome public resistance. NIST is planning to reach out with a public information campaign using mass media.

**Approval of Agenda:** The motion was made by Jerrod W. Maben of New York and seconded by Gene Kritsky to approved the Agenda. Motion approved by a voice vote.

**Approval of Minutes:** John Safko moved to approve the minutes as presented. The motion was seconded by Jerrod W. Maben of New York. Motion was approved by a voice vote.

**Officer Reports**

**President:** President Rodriguez indicated that using E-mail was an effective means of communication among members of the board. President Rodriguez stated that the workshop held this afternoon on the use of E-Mail should improve communications using this technology. President Rodriguez thanked Don Jordan on an excellent Newsletter and Lynn Elfner on electronic bulletin board using E-mail. The NAAS Web page has been started and we will have to employ a Web Master in 1999. During 1997, the AJAS Director contacted several academies to inquire as to their interest in joining AJAS. The relationship between NAAS and AAAS has improved in recent years. Last summer, President Rodriguez, Past President Gene Kritsky and AJAS Director Gloria Takahashi AAAS visited with Shirley Malcom at AAAS and Shirley attended the board meeting. President Rodriguez indicated that the officers should continue to communicate with the elected officers of AAAS. The incoming President of AAAS attended the Breakfast with Scientists.

**Secretary:** Fred Brenner gave a brief report of the board meeting and announced that the 1997-98 issue of the Directory, Proceedings and Handbook has been published. Fred indicated that the volume will be mailed within a few weeks.

**Treasurer:** Ollin Drennan distributed copies of the treasurer's report including a summary of the income and expenses. Ollin stated that income from both the Seattle and Philadelphia meetings were included in the report. Ollin suggested that changing the fiscal year to 1 July to 30 June would provide a more meaningful accounting of income and expenses. With a 1 July-30 June fiscal year, all the income and expenses from the Seattle meeting would be represented in the financial statements. Ollin stated that because of bank mergers the saving accounts numbers have changed. John Safko (South Carolina) moved that the NAAS fiscal year be changed to 1 July-30 June, The motion was seconded by Peter Faletra (Vermont). Motion approved by voice vote. Elemer Bernath (Colorado/ Wyoming) thanked the Pennsylvania Academy and Pennsylvania Junior Academy for their \$4000.00 contribution to the AJAS

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meeting from the Pennsylvania and for the \$1500 contribution from Cabrini College. The question was raised that with the change in the fiscal year, should the term of the treasurer correspond with the fiscal year. Ollin Drennan indicated that it would be better not to change the term of office of the treasurer since it would allow for a 6-month transition period between the election of the new treasurer and the change in the fiscal year.

**President-elect:** Judy Parker presented a brief summary of the Breakfast with Scientists. Judy indicated that there were two or three scientists at each table and that there were good discussions with the students.

**Archivist:** Lynn Elnfer stated that the NAAS archives are part of the public record and are currently housed in the Ohio Historical Society at Columbus, Ohio. Lynn asked that if any academy new material to be added the collection, please contact Lynn. Richard Raridon of Tennessee will be preparing an updated history of NAAS. Richard indicated that except for a couple of years when the proceedings were not published, the record is complete beginning with the 1926 Academy Conference. Dick indicated that Clint Baker of Tennessee wrote the history of NAAS through 1970. During his presidency, Richard updated the president and officers through 1976. The 75th anniversary issue will be published in 2001.

**Representatives to AAAS Council:** Claire Oswald reported that any item to be considered by the committee of council affairs must be submitted in writing 60 days prior to the council meeting. Claire stated that the resolution on the alternative to the traditional use of animals in research will not be brought forward since it was addressed in a previous resolution. There will be the going report of committees and sections and three affiliates will be withdrawn since they have not appointed a sectional representative for three years. The Resolution to support the arms treaty will be considered by Council. EPCOR funds will be available to state academies of science, but the academies should write to council and AAAS. Don Jordan (South Carolina) indicated that experts would be requested to review applications. Vermont. A motion by John Safko (South Carolina) moved that our delegates bring to attention of council the continued absence of AAAS representatives to both the board meetings and the assembly of delegates. The motion was seconded by Peter Faletra. The motion was approved. Gene Kritsky indicated that Judy Kass was at the workshop before it started. President Rodriguez stated that AAAS provided NAAS/AJAS with free meeting rooms and were helpful in other ways. Ollin Drennan indicated the issue not the two individuals, but that we need to work with AAAS. Lynn Elnfer indicated that with the exception of Shirley Malcom, the other two representatives not concerned with NAAS. Elemer Bemath (Colorado/Wyoming) indicated that as in previous years the student research funds were not mailed until December. Elemer further stated that students nominated as students members did not receive their certificates and or Science. John Safko South Carolina indicated that their students got three issues and were then billed of another year. Gene Kritsky stated that there appears to be a positive change in attitude on behalf of AAAS staff. Gene indicated that Shirley Malcom increased the amount of funding for the workshop from \$200.00 to \$400.00. Judy Parker stated that it should be clarified what exactly are their duties with NAAS. President Rodriguez indicated that the question is how should we improve or relationship with AAAS. The last three presidents of AAAS indicated that they were interested in improving relations with NAAS, but the breakdown is at the staff level.

**AAAS Representatives to NAAS:** No report.

**AJAS:** Gloria Takahashi circulated the 150th anniversary booklet that included 26 AJAS posters that were part of the program. Gloria indicated that 122 abstracts were submitted and 102 students presented papers at the meeting and that the banquet would be held this evening. In addition to the 102 student presenters (1M: 1F), 22 students from the Pennsylvania Academy of Science and Cabrini College participated in the meeting. Gloria reported that students from New York and Georgia partici-

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pated in the meeting. There was a request from the Student Research Institute at MIT inquiring as to whether their students could participate in the meeting. Gloria informed them that they must be sponsored by a state academy of science. Mark Saul, Director of the Research Institute attended board meeting and explained their program indicating that they want to continue to cooperate with AJAS. Gloria stated that AJAS had to compress their program because of the address by President Clinton. Gloria thanked the following individuals for their assistance with the meeting: Elemer Bemath, Ed Brogie, Ollin Drennan, Kathy Gotshall, David Hsi, Peg Tilgner, Dave Weaner, Poster Session Chairman Carolyn Boyd, and Mike Strauss, Ed Leonardo from the AAAS Meeting Office. Gloria indicated that Mike Spinella, Director of Membership at AAAS was impressed with the 150th convocation and student poster presentations, AAAS personnel were generally impressed with the student activities. Gloria also thanked Helen Erickson from the Pennsylvania Junior Academy of Science for arranging the tours, Gene Kritsky for obtaining the banquet speaker and Saul Krasner for arranging the youth meets the masters program. Marcia Greenwood incoming AAAS President spoke at the program. David Hsi indicated that he was impressed with the improvement in student attitudes. Elemer Bemath thanked Gloria Takahashi for her years of service to AJAS.

**Past-President:** Gene Kritsky reviewed the status of the NAAS Web page and indicated that all academies have a link to NAAS through the Web page. Gene indicated that he issued a press release on the AJAS Program and the support received from the Pennsylvania Academy of Science and Cabrini College. Gene stated that the Board of Directors approved the development of network of state academy liaisons to the National Center for Science Education (NCSE). Gene indicated that whenever there is a threat to the teaching of science in public education, the NSCE may assist local teachers and school boards. Gene reported that within the last two weeks the legislators in Arizona and Georgia approved the removal of evolution from science standards. Gene Kritsky presented a motion that each state academy designate a member of their academy to serve as a liaison to the National Council for Science Education. This member will be the point of communication between the NCSC and the academy when issues threaten the teaching of science in the state. The member should be familiar with members in all regions of the state from the various disciplines with good communication skills to help teachers needing support in the teaching of evolution, be able to work with local media, and be able to testify at school board meetings, state assemblies, and coordinate a local response. The member will contact the NCSC when the science curriculum is threatened in their state. The NCSC will contact the liaison when they become aware of threats to science education in the state. The motion was seconded by Lynn Elfner. John Safko (South Carolina) suggested that NAAS contact the secretary of each academy to have the appointment of a liaison be placed on their agenda. Peter Faletra (Vermont) asked what is the NCSE. Gene Kritsky explained that they are a private foundation supporting teaching of science. Steven Case (Mississippi) indicated that they need background information on NCSE. Gene Kritsky indicated that they have been in existence for 15 years. Susan Kafko (Minnesota) reported that they gave an excellent presentation on Firing Line. John Safko (South Carolina) called for the question and the motion was approved. John Safko (South Carolina) asked Gene to explain the proposed change in electronic media for the publication of the directory. Gene explained that this allows the Directory to be updated on a regular basis and that there would be a cost saving by using electronic media. David Hsi (New Mexico) indicated that the publication of the Directory, Proceedings and Handbook was an in-kind contribution from AAAS.

### **Committee Reports**

**Nominating:** Chairman Gene Kritsky presented the following slate of officers: President Elect: Fred Brenner (Pennsylvania); Secretary: Howard Pitkow (Pennsylvania); Archivist: Lynn Elfner (Ohio); AAAS Council Representative: David Hsi, (New Mexico) and Member at Large: Neil Berman- (Arizona/Nevada). John Safko (North Carolina) moved that the nominations be closed and the secretary cast an unanimous ballot, seconded by Steven Case (Mississippi). Motion Approved.

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**Newsletter:** Editor Don Jordan stated that E-Mail was the best way to transmit items for publication and that articles from State Newsletters are being published in the NAAS newsletter. The current data base contains between 700 to 800 names including the 200 names supplied by Gloria Takahashi. Don reported newsletters are currently being mailed to all section officers. Lynn Elfner suggested that Newsletters also be mailed to staff members at AAAS. Ollin Drennan reported that the Newsletter makes NAAS more visible to the Missouri Academy.

**Old Business:** David Hsi (New Mexico) expressed our thanks to Claire Oswald for serving two terms on AAAS Council.

**New Business:** President Rodriguez reported that the Kentucky Academy now has an office in the Science Outreach Center at the University of Kentucky and that he has retired as the volunteer Secretary of Kentucky Academy of Science. Ed Brodie (Nebraska) stated that it is difficult to find mentors to assist teachers with science programs and asked if NAAS could assist with find mentors for student. Lynn Elfner (Ohio) and J.G. Rodriguez (Kentucky) indicated that the mentor-directory for Ohio and Kentucky, respectively were out-of-date. Peter Faletra stated that students in rural school districts may be 2 or 3 hours away from a college or university. Lynn Elfner stated that mentor lists are available for New York and Colorado/Wyoming. Ed Brodie indicated that Gentech has mentor lists available, but they did not respond to student requests. Lynn Elfner stated that mentor programs are difficult to monitor. Don Jordan reported that Fellows of AAAS may be a possible source of mentors. Lynn Elfner reported that Men and Women in Science and Directory of AAAS members will be available on CDROM but the cost will be over \$1000 for each publication. Fred Brenner stated that Sigma XI will also be publishing a membership directory. Leslie Sue Lieberman indicated that if AAAS continues with the Mall Science Programs they may also be an opportunity to get students involved in science.. Leslie Sue Lieberman stated that we need to contact Shirley Malcom on the Mall Program. Lynn Elfner suggested with the CDROM - ADCAD program as a source of mentors.

Being no further business the meeting adjourned at 5:55 P.M.

Respectively Submitted

Fred J. Brenner, Secretary

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**Assembly of Delegates  
Saturday, February 14, 1998  
Philadelphia, PA**

**Delegates in Attendance**

Neal S. Berman, Arizona/Nevada Academy of Science  
Elemer Bernath, Colorado/Wyoming Academy of Science  
Fred J. Brenner, Pennsylvania Academy of Science  
Ed. M. Brogie, Nebraska Academy of Science  
Steven T. Case, Mississippi Academy of Science  
Ollin Drennan, Missouri Academy of Science  
Lynn E. Elfner, Ohio Academy of Science  
Peter Faletra, Vermont Academy of Science  
Joseph D. Ferguson, Oklahoma Academy of Science  
Barbara A. Frase, Illinois Academy of Science  
Kathy Gotshall, Florida Academy of Science  
David Hsi, New Mexico Academy of Science  
Donald Jordan, South Carolina Academy of Science  
Susan Kafka, Minnesota Academy of Science  
Gene Kritsky, Indiana Academy of Science  
Leslie Sue Lieberman, Florida Academy of Science  
Jerrold William Maben, New York Academy of Sciences  
Donald Nash, Colorado/Wyoming Academy of Science  
Edward N. Nelson, Oklahoma Academy of Science  
Claire Oswald, Nebraska Academy of Science  
Judy Parker, Minnesota Academy of Science  
Assad Panah, Pennsylvania Academy of Science  
Howard S. Pitkow, Pennsylvania Academy of Science  
Richard J. Raridon, Tennessee Academy of Science  
Juan G. Rodriguez, Kentucky Academy of Science  
Lorraine Rodriguez, Kentucky Academy of Science  
John L. Safko, South Carolina Academy of Science  
Gloria J. Takahashi, Southern California Academy of Science  
Ertle Thompson, Virginia Academy of Science  
Mike Williams, North Carolina Academy of Science

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**Proceedings of the NAAS  
Minutes  
National Association of Academies of Science Conference Call  
Meeting - Tuesday, July-14, 1998**

The meeting was called to order at 2:06 pm Central Time by President Judy Parker and the agenda was approved by a voice vote.

**COMMITTEE REPORTS**

**Treasurer's Report** (Appendix A) Ollin Drennan

Ollin Drennan reported that he has received \$1,450.80 in dues which is approximately \$2,400 less this year when compared to last year. He still has to collect about \$2,500 more in dues. Ollin stated that the Philadelphia NAAS meeting generated \$70,134 in revenues. Also there was some \$8,500 in additional contributions. Since the meeting expenses were \$83,927.22, this leaves us a little in the red for the Philadelphia conference. Ollin felt that most of the problem was due to the housing arrangements. Gloria Takahashi also stated that in previous meetings we had housed four students per room. Now, if we have three students per room we are charged the difference. Therefore, we are losing money. Hence, if we go back to four students per room we can alleviate part of this problem. Ollin then mentioned that when he put money into certificates of deposit a few years ago, we had \$32,000. At present our certificates of deposit are worth \$42,000 since the interest accumulated was left in the certificates and never withdrawn. Ollin felt that we should decide what to do with the accumulated interest since we may soon need the income so as not to be in the red for our meetings. Gloria Takahashi then mentioned that Shirley Malcom (AAAS representative to NAAS) use to give us operational funds of \$3,000 plus \$2,000 for the AJAS. However this has not occurred since Gloria took over as AJAS Director. Lynn Elfner asked Ollin about our investments. Ollin related that about \$45,000 is invested by the NAAS. A lengthy discussion followed on the availability of cash for NAAS activities. Ollin informed the Board of Directors that the Workshop expenses were \$1,421 and that Shirley Malcom was to increase the AAAS contribution from \$200 to \$400. So far, Shirley has not sent this supplementation to us. It was decided that Shirley Malcom would be contacted about this matter. Ollin then raised the question of the Treasurer's position since he plans to retire from this position and would like to have someone to train before he leaves. He asked if we still had two candidates for the Treasurer's position since his term ends at the end of the fiscal year (July, 1999). He was notified that we still have two viable candidates for the office. A lengthy discussion ensued about having an auditor review the NAAS books and the possible costs incurred of having this done. President Parker assigned Ollin Drennan and Leslie Lieberman to get together and decide what records, etc. will be needed for the audit. David Hsi stated that the NAAS owes a great deal of gratitude to Ollin for the job he has done over the years as NAAS Treasurer. The entire Board of Directors concurred.

**Secretary's Report** (Appendix B) - Howard S. Pitkow

Howard Pitkow reported that on May 20th he sent out first notices and copies of the state officers and programs published in the 1997-1998 Directory, Proceedings and Handbook to all state academies asking them for revisions by June 30th for the 1998-1999 NAAS Directory. So far, Howard has received 21 responses from the 44 academies. A list of the academies that have submitted updates was read. On July 13th, Howard sent out a second and final notice to the remaining 23 academies who have not responded. A deadline of August 15th was set.

Everything was proceeding satisfactory and on schedule until Howard talked to Ms. Barbara Walthall in mid-June who informed him that she will not be doing the 1998-1999 NAAS Directory, Proceedings and Handbook in the future since she was given new responsibilities. This development creates a big

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problem for the NAAS. Howard then read the letter he received from Ms. Walthall dated June 22nd with copies sent to Jerry Bell and Shirley Malcom (Appendix B). Howard has since called Shirley Malcom's office and left telephone messages with Jennifer Whitfield, Shirley's secretary, on two different occasions (June 24th and 29th) to please call him back to discuss this situation. He is still waiting for a response to his phone messages. Howard related to the Board of Directors the absolute necessity of obtaining someone like Ms. Walthall from the AAAS to work on the 1998/1999 NAAS Directory, Proceedings and Handbook. Many Board members recommended that successful communication with AAAS has been obtained through Shirley Malcom's E-mail. Both President Parker and Secretary Pitkow will continue to try to make contact with Shirley Malcom. The Board will be apprised of their progress.

#### **Anaheim Site Visit** (Appendix C)

Before a discussion of the Anaheim Site Visit, President Parker asked all members of the Board of Directors to please send her their telephone number, fax number, and E-mail address for both their home and office.

#### **Program and Arrangements** (Appendix C) - Gloria Takahashi

Gloria discussed the tentative 1999 AJAS-NAAS Program with the AAAS to be held at the Anaheim Hilton and Marriott Hotels and the Anaheim Convention Center in Anaheim, California on January 20-24, 1999. This is outlined in detail in Appendix C which is self-explanatory. Also included in the last three pages of Appendix C are due dates for abstracts, housing, fees, etc. that Gloria sent to the Southern California Academy of Science delegates. Ertle Thompson then asked Gloria about the room costs at the hotels. Gloria replied that although the Marriott was a little cheaper, they felt the Hilton was nicer and therefore we will be staying at the Hilton. She informed the Board that the room rates at the Hilton are as follows plus 15% tax: Single/person/night = \$164; Double/person/night = \$100 Triple/person/night = \$79 Quad./person/night = \$52 Also, the convention fees will be \$150. Ollin Drennan stressed that we need someone to help Gloria. He felt that Gloria can manage and run the AJAS operation, but we need someone to help her since she cannot do it all herself. President Parker concurred and stated that the matter is being looked at very seriously. Fred Brenner asked who was responsible for obtaining the room for the "Breakfast with Scientists" session. He was informed that the AAAS has this responsibility.

A discussion ensued about those budget meeting activities that are sponsored by the NAAS (i.e., Workshop, Delegates Meeting) and those sponsored by the AJAS (i.e., Breakfast with Scientists, etc.). Ollin Drennan suggested, based on budgetary concerns, that maybe they should be separated out. The Board finally decided that there is no need to separate out the NAAS expenses from those of the AJAS expenses. They felt that everything should be kept as it is with one budgetary accounting system for both the NAAS and AJAS.

#### **Workshops** - Juan G. Rodriguez

Juan reported that the NAAS/AJAS Program Committee visited many places around Los Angeles including the Orange County Marine Institute (OCMI) at Dana Point. The Institute has a sea-going boat which collects marine life. Therefore the program committee has organized an ocean-going experience for the AJAS students for Saturday, January 23, 1999. After traveling about 50 miles from Anaheim to Dana Point and the Orange County Marine Institute, the AJAS students will board the Sea Explorer research vessel for sea exploration. This will enable the AJAS students to participate with first-hand experience in the observation of marine life (whales, dolphins, seals, sea lions, etc.) and hands-on data

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collection. While the AJAS students are having their workshop on the Sea Explorer research vessel, a concurrent NAAS Workshop will be held at Dana Point (OCMI) on "Informal Learning in Science" for the delegates and other interested parties. Afterwards, the Assembly of Delegates meeting will be held in the OCMI conference room at Dana Point. Simultaneous video conferencing will be available enabling others to participate in the Workshop on Informal Learning and the Assembly of Delegates meeting from the Anaheim Hilton.

Juan also reported that the other locations visited were more museum type experiences. The Board agreed with the program committee that the hands-on experience at the Orange County Marine Institute would be a most beneficial activity for the AJAS students. The program committee also has made arrangements for the AJAS students to go to Disneyland after their sea adventure if they so desire. Hotel and transportation will be provided while allowing them to stay in Disneyland from 5:30 pm until 12:00 midnight. Juan Rodriguez informed the Board that they are still trying to arrange a meeting on Thursday at the University of California at Irvine (UCI). The main goal of this visit is to have our AJAS students interact and visit with undergraduates doing research. We are hopeful that UCI will supply lunch and pay for their transportation. Juan Rodriguez, at Don Jordan's request, will submit this program information for publication in the NAAS Newsletter. The logistics of the simultaneous workshops will be worked out by the Anaheim Site Visit team. President Parker noted that we will also have a phone conference as a back-up.

### ADDITIONAL REPORTS

#### **Breakfast with Scientists - Fred Brenner**

Fred reported that he has contacted several companies by letter for funding and sponsoring of the — Breakfast with Scientists" session. These letters were sent out the end of June. Companies contacted by Fred include Sun Microsystems and Boeing Aircraft as well as others. Ertle Thompson asked how the complimentary AAAS memberships were picked from college and high school students. After a discussion by the Board of Directors it was noted that most state academies chose the top students who were sent by their state to the AAAS-NAAS-AJAS meeting. Don Jordan again requested that all Board Members submit their photographs to him so that he has them on file for the NAAS Newsletter. Gloria Takahashi mentioned that she thought Dean Decker might have some of these pictures.

#### **Web Page Master - Judy Parker**

President Parker related that we will need a new Web Page Master since Gene Kritsky has volunteered to do it for only one more year. Don Jordan stated that he thought John Saffko (North Carolina Academy) was interested and would take it over at that time.

#### **Strategic Development Program for Board of Directors - Judy Parker**

President Parker recommended that the Board of Directors formulate a strategic plan of development in order to raise money so that we may avoid having a financial crisis each year in trying to raise money for meeting functions such as the Breakfast with Scientists session and AJAS student transportation. Instead of the -'knocking on the door" approach, Judy suggested that we need a developmental strategy to solve this problem. Fred Brenner suggested that we look for a developmental person who does this for a living. Lynn Elfner believed that we have to start now and work in committees for those meetings scheduled three or four years in the future. He stated that we need an internal advocate. Howard Pitkow added that it would be preferable if each state academy, whose state hosts the NAAS-AJAS meeting, took on a partial financial responsibility as the Pennsylvania Academy did for the Philadelphia meeting. Ollin Drennan stated that he was appreciative of the \$4,000 that came from Pennsylvania for the 1998 meeting in order to support the AJAS. He felt that we need to expand on this in other areas of

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each state. Ertle Thompson concurred that we need both a strategic plan and an internal advocate. The strategic plan will be discussed again during the next conference call meeting.

AJAS meeting deadlines were discussed in general terms with the Board's opinion that the State Directors have to take on more responsibilities in meeting these deadlines. President Parker stated that she would have another conference call meeting with the Board of Directors targeted for sometime during the week of October 12th and 19th. it was decided that since weekends were not an appropriate time, the conference call meeting would be held during the week.

The Conference Call Meeting was adjourned at 4:10 pm Central Time.

Respectfully submitted,

Howard S. Pitkow, MS,PHD  
Secretary, NAAS

**Board of Director Members in Attendance**

Judy Parker	Gloria Takahashi
Fred Brenner	Don Jordan
Juan Rodriguez	David Hsi
Howard Pitkow	Ertle Thompson
Ollin Drennan	Neil Berman
Lynn Elfner	Leslie Sue Lieberman

**Appendix A**  
**National Association of Academies of Science**  
**NAAS Income/Expenses Report July 1, 1997-June 30, 1998**

**BALANCE, July 1, 1997** **\$ 47,659.35**

**INCOME**

1997 Dues	3,777.65	
1998 Dues	1,450.80	
Proceedings/Directory Sales	126.00	
Interest	2,630.30	
1998 Philadelphia Convention		
Registration	\$10,955.00	
Conference Fees	19,735.00	
Housing	39,444.00	70,134.00
Breakfast with Scientists-3M	3,000.00	
Pennsylvania Academy of Science	2,000.00	
Pennsylvania Junior Academy of Science	2,000.00	
Transportation--Cabrini College	1,500.00	
Workshop	190.00	
Correction for checks no cashed-289, 322, 410	146.00	
Transfer from 3120006147 to cover negative balance	1,000.00	<b>87,819.15</b>

**EXPENSES**

1998 Philadelphia Convention		
Conference planning--Kritsky	2,307.65	
Housing--Philadelphia Marriott	43,445.38	
AAAS Registration	11,040.00	
Postage-AAAS	237.50	
Printing--Kwik Kopy, Inc.	1,298.31	
Reception--2/11	289.28	
Orientation--2/11	1,918.30	
Pins	908.40	
T-shirts	1,437.00	
Buses--Hagey Coach, Inc.	1,995.00	
Donation--Christ Church	50.00	
Lunches--Museum Catering 2/12	1,819.00	
Dinner--Academy of Natural Sciences	3,400.00	
Breakfast with Scientists--Aramark	2,535.76	
NAAS/AAAS Workshop	1,421.15	
Banquet--2/14	6,992.00	

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Banquet speaker	250.00		
Party--2/14 Food	779.28		
DJ	428.00		
Miscellaneous expenses--copying	36.21		
Refunds	1,339.00	83,927.22	
Operations			
Annual Registration	55.00		
Newsletter-Printing/Mailing	1,035.85		
Summer Board Meeting Conf. Call	614.00		
Proceedings Postage	1,000.00	2,704.85	
1999 Anaheim Conference			
AJAS--Gloria	1,500.00		
Planning Trip	1,137.58	2,637.58	<b>89,269.65</b>
<b>BALANCE June 30, 1998</b>			<b>\$45,208.85</b>

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**Appendix B**  
**National Association of Academies of Science**

June 22, 1998

Howard S. Pitkow  
Secretary, NAAS  
Pennsylvania College of Podiatric Medicine  
8th at Race Street  
Philadelphia, PA 19107

Dear Dr. Pitkow;

As we discussed on the phone last week, I have accepted new responsibilities at AAAS and will not be helping NAAS in producing the *NAAS Proceedings, Directory, and Handbook 1998-99*. I do not know, at this time, who on the AAAS is available to take on this task, but suggest that you contact Jerry Bell or Shirley Malcom at this address concerning this publication.

I do have all the materials from the most recent edition of the *NAAS Directory*-including all the text and graphics on disk in PageMaker (PC version) and can suggest the printer we used as well as one that also provided a printing bid. I also have on file several materials for the upcoming edition that you and Fred Brenner have sent to me, and have access to the Junior Academy Abstracts camera-ready pages from the Annual Meeting Program (1998) for inclusion in the 1999-99 Directory.

As I mentioned, I enjoyed working with the NAAS on this project and hope that you can resolve this matter. Please let me know if I can provide any materials to you.

Sincerely,

Barbara Walthall  
Editor, Science Books & Films

cc: J. Bell  
S. Malcom

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**National Association of Academies of Science  
Appendix C  
1999 AJAS- NAAS Program  
with the American Association for the Advancement of Science  
Anaheim Hilton & Marriott Hotels  
Anaheim, California January 20-24, 1999**

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**Wed. 1/20/99** American Junior Academy of Science (AJAS) & National Association of Academies of Science (NAAS) arrive in Anaheim. Check into the Anaheim Hilton and Towers, 777 Convention Way, Anaheim, CA 92802, phone 714/750-4321 or the Anaheim Marriott, 700 West Convention Way, Anaheim, CA 92802, phone 714/750-8000.

4:00pm **AJAS Committee Meeting** in Hilton, Room to Be Announced (tba)

5:30pm-7 pm **Organizational Meeting** of the AJAS Committee, chaperones, sponsors, parents, and NAAS Board of Directors. *Gloria J. Takahashi*, AJAS Director (CA), *Judy E. Parker*, NAAS President (MN) and AJAS Committee Members.  
Hilton, Room tba

7pm-7:30pm **AJAS Registration**

Distribution of registration and program materials, badges, t-shirts, pins, etc. Collect late AJAS/NAAS fees. *Kathy Gotshall* (FL), *Ollin Drennan* (MO), *Elemer Bernath* (CO/WY), *Joan Messer* (MS), *Diana Fogler* (CA), and *Lorraine Rodriguez* (KY).

7:30pm-10pm **AJAS/NAAS Orientation & Welcome Meeting**

Introductions NAAS Board and AJAS Committee, Program Changes, *Gloria J. Takahashi*, AJAS Director (CA), and *Judy E. Parker*, NAAS President, (MN)  
AJAS Committee Members: *Don Cottingham* (VA), *Peggy Tilgner* (IA), *Dave Weaner* (OH), Southern California Junior Academy of Sciences, "Getting to Know You."  
Hilton, room tba

10-pm-12am Students meet with chaperones to review proper conduct and prepare for tomorrow's AJAS Poster Session. Hilton, room tba

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**Thurs. 1/21** AAAS Meeting begins. Breakfast on your own (oyo).

8 am-4:30pm NAAS Board Meeting, Marriott, Gold Key Room  
*Judy E. Parker*, NAAS President, (MN)

8:30am-2:30pm VIP Trip to University of California, Irvine

Coordinators: *David Weaner* (OH), *Peggy Tilgner* (IA), *Ed Brogie* (NE), *Elemer Bernath* (CO/WY)  
Bus trip to the University of California, Irvine, Host Committee: *Dr. Said Shokair*, Director, Undergraduate Research Opportunities Program (UROP), *Dr. James Danziger*, Dean of Undergraduate Education, *Mr. J. Dewayne Green*, Assistant Dean of Graduate Studies, *Dr. Fred Wan*, Dean of Graduate Studies. Tours, discussion in multidisciplinary research labs. Lunch will be provided.

3:30pm (4:30-6:30pm)AJAS/AAAS Poster Session

Coordinators: *Kathy Gotshall* (FL), *Don Cottingham* (VA)

3:30pm-4:30pm Set up Posters, Marriott, Marquis Ballroom South

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4:30pm-6:30pm: All AJAS delegates will set up posters to share with meeting attendees. (Bring copies of abstracts to distribute. Dressy business attire.)

6:30-8pm AAAS Keynote Address: Dr. Eric Haseltine, Vice President for Technology, Walt Disney Imagineering. Technological Innovation in the Movies: "Achievements and Challenge" Marriott Marquis Ballroom South

8pm-10pm Free time to attend any evening AAAS events, check with your chaperone.

9pm-12am AJAS Lounge, Hilton, room tba

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Fri. 1/22

8:30am-11am Breakfast with Scientists

AJAS students, and scientists, location tba

Coordinators: *Fred Brenner*, NAAS President-Elect (PA), *Judy Parker*, NAAS President, (MN)

8:30-9:00am Registration

9:00-11:00 am Eat, Interact, Enjoy

Lunch OYO

12noon-1:30pm AAAS Topical Lecture, "Global Change Update"

*S. Rowland, R. Cicerone, and W. Broecker, University of California, Irvine*

1:30pm-5:30pm AJAS Oral Presentations

Hilton, Concurrent Session in the following rooms: Santa Monica, El Capitan A, El Capitan B, Sunset, Lido A, Balboa

12:30pm-3:30pm NAAS attends AAAS Section Y Meeting, location tba

5:00 pm -6:30pm Exhibits Open. Reception in Exhibit Hall, Anaheim Convention Center

5:30pm-10pm: In chaperoned groups, you are OYO. Refer to your AAAS Program Book for AAAS evening events you may want to attend.

Important! Rest up for a very l-o-n-g, activity oriented Saturday. Energy and enthusiasm are required of students and adults, too!

9pm -midnight AJAS Lounge, Hilton Avila AB

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Sat. 1/23

7:00am-3:00 pm Marine Mammal Floating Lab and Laboratory Program

Travel to the Orange County Marine Institute (OCMI) at Dana Point. More than a Whale Watch! Learn about the Marine Mammals, especially the Pacific Grey Whales that are migrating south to Baja, CA, on the Research Vessel Sea Explorer! Prepare to use scientific equipment and marine mammal artifact collections to understand the natural history of dolphins, whales, seals, and sea lions.

AJAS and NAAS Delegates and Workshop attendees will travel to Dana Point to acquire first-hand experience with an exemplary Informal Science Education Program. An appropriate experience fitting of the NAAS Workshop Topic. There are plans to provide video conferencing from the site to the Hotel. Lunch provided.

NAAS/AAAS Workshop OCMI, Dana Point and Marriott, Grand Ballroom, Salon C  
"Informal Science Education Programs"

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Coordinators: *Juan Rodriguez*, Past President NAAS (KY), *Shirley Malcom* (AAAS, EHR)  
NAAS Assembly of Delegates Meeting OCMI, Dana Point and Marriott Grand Ballroom, Salon C.  
Coordinator: *Judy E. Parker*, NAAS President (MN)

After an exhilarating poster and oral presentation experience, exciting interaction with senior scientists, and an invigorating day on the Pacific Ocean, where are you going next? ...to Disneyland!

4:00 pm-5:00 pm Ride Marriott and Hilton Hotel Shuttles to Disneyland

5:30 pm -midnight Disneyland

5:30pm-6:30 pm AJAS/NAAS Recognition BBQ Dinner

Disneyland's Festival Outdoor Arena near the Big Thunder Ranch (if it rains, we go to the Golden Horseshoe Saloon)

6:30pm-7:00pm Special Awards and Delegates Recognition

7:00pm to midnight Have Fun in the Park

12 midnight The Magical Hour. Return to hotel in Shuttles (Chaperones, you are responsible for your students and vice versa!)

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Sun. 1/24 Attend AAAS Sessions or see the sights then travel home safely.  
Hope you had A-JAS-sy time and you'll share your good fortune with others!

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#### **1998-99 AJAS Committee**

Gloria J. Takahashi, Director, Chair (California)

Elemer Bernath (Colorado/Wyoming)

Ed Brogie (Nebraska)

Don Cottingham (Virginia)

Dean Decker (Virginia)

Ollin Drennan (Missouri)

Kathy Gotshall (Florida)

Saul Krasner (Connecticut)

Joan Messer (Mississippi)

Judy Parker (Minnesota)

Peggy Tilgner (Iowa)

David Weaner (Ohio)

#### **Local AJAS Committee**

Diana Folger

Bob Grove

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**1998-99 NAAS Board of Directors**

Judy Parker- President (Minnesota)  
 Juan G. Rodriguez- Past President (Kentucky)  
 Fred Brenner-President elect (Pennsylvania)  
 Howard Pitkow -Secretary (Pennsylvania)  
 Ollin Drennan- Treasurer (Missouri)  
 Gloria J. Takahashi, AJAS Director (California)  
 Lynn Elfner- Archivist (Ohio)  
 Leslie Sue Lieberman- member at large (Florida)  
 Neil Berman- member at large (Arizona)  
 David Hsi- AAAS Council (New Mexico)  
 Ertle Thompson- AAAS Council (Virginia)  
 Don Jordan- Newsletter Editor (South Carolina)  
 Shirley Malcom-AAAS, Education and Human Resources  
 Jerry Bell- AAAS, Education and Human Resources  
 Judy Kass- AAAS, Education and Human Resources

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**Appendix D  
 AJAS MEETING**

Cost	Approximate	STUDENT
	AAAS Registration Fee	\$ 40.00
	AJAS Convention Fee	150.00
	Housing (4 to a room, incl. 15% tax 4 nights per person)	200.00
<b>TOTAL</b>		<b>\$390.00</b>

<b>ADULT</b>		
	AAAS Registration Fee	130.00
	K-12 teacher, retirees, parents of delegates	
	AAAS Registration Fee (others)	200.00
	AJAS/NAAS Convention Fee	150.00
	Housing per person, 4 nights	
	Single \$165/night x 4	\$660.00
	Double \$100/night x 4	400.00
<b>TOTAL</b>		<b>\$680 (double) / \$940 (single)</b>

**Travel Arrangements**

Have a parent or someone drop you off at the hotel, otherwise if you drive, there is a \$10 daily self-parking fee.

**Chaperones**

YES, we will need at least two more adults to accompany our group to all functions. As the AJAS Director, I will be attending a number of meetings, including yours, however will not be able to be with you all the time, thus we will need adults to travel with us. Unfortunately, there are no funds to support

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their participation. Your parents, teachers, and mentors are all eligible and welcome to come along as chaperones and see what this national scientific meeting is all about. Please let me know at the July 19th meeting if you have any committed volunteers.

#### APPENDIX E

##### **The Following is the Schedule of Important Dates**

**Mid-July 98** First AJAS mailing from the AAAS office to you and to all state Academies. This is the Call for Abstracts, directions on how to prepare your abstract and poster, as well as about the poster sessions and the preliminary program.

**Due 9/1/98** I must review your abstracts before sending them to AAAS, thus send them to me, then I'll forward them to AAAS by 10/1 due date. Send them to my home address: 2815 Kiska Avenue, Hacienda Heights, CA 91745; phone 626-333-2173.

##### **Abstract:**

Follow the directions on the abstract form, otherwise your abstract will not be printed in the AAAS Program Book. The AAAS directions are different from those used for the SCJAS meeting. (Mrs. Takahashi will forward yours) Call Ms. Carolyn Boyd in the AAAS Meetings Office in Washington, DC, after 10/15, if you don't receive a postcard acknowledging the receipt of your abstract. She can be contacted at 202-326-6712 or email at <cboyd@aaas.org>. If the abstract is not followed up with the registration forms and fees, then we assume you will not be presenting, thus the abstract will not be published in the AAAS Program Book.

**10/1/98** Abstracts are due to AAAS.

**early Oct.** Second AJAS mailing to you and all state Academies. This includes the registration, housing, liability waiver, and code of conduct forms, and information on your Oral Presentation.

**11/21/98** The fees, registration and other forms are due to AJAS & the National Association of Academies of Science (NAAS). If fees do not accompany your forms, you will not get housing (i.e., you'll have to find your own.) The fees & forms will be sent to Dr. Ollin Drennan, NAAS Treasurer, RR6, Box 270, Kirksville, MO 63501; phone 816-665-9474 (central time).

**12/6/98** Third and last AJAS mailing to meeting attendees, whose registration forms and fees have been received. This includes the final program, list of delegates and their research titles, and adult-chaperones. To confirm your Housing after January 1, you may call any of the following: the Hilton Hotel, Ms. Wendy Moore, Convention Manager (714) 740-4261; the Anaheim/Orange County Visitor and Convention Bureau Housing Director, Ms. Colleen Cornett, (714) 999-8925, x 8357; or Mrs. Kathryn Gottshall, AJAS Committee (housing coordinator) of the Florida Junior Academy of Science (407) 724-6624 (eastern time) or email <rcg104@aol.com>.

**1/20-24/99** **THE AJAS/NAAS/AAAS Meeting in Anaheim, CA at the Anaheim Hilton and Marriott Hotels.** Bring your recent program mailing with you.

Anaheim Hilton & Towers  
777 Convention Way  
Anaheim, CA 92802-3497  
714-740-4261 (direct line to Wendy Moore, Meetings and Conventions Mgr.)  
fax 714-740-4242

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**YOUR CLOSING ACT:****4/30-5/1/99**

Southern California Academy of Sciences Meeting and Junior Academy Meeting at California State University, Dominguez Hills. You are to participate in a half-hour presentation of your Anaheim AJAS experience with the 1998-99 SCJAS research students. Tentatively scheduled for Saturday, from 4:00 to 4:30 pm.

"And that's it folks!"

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**Minutes**  
**National Association of Academies of Science**  
**Board Conference Call**  
**Meeting - Friday, November 20, 1998**

The meeting was called to order at 11:00 AM Central Time by President Judy Parker. Both the Conference Call Meeting Minutes of July and the agenda for the ensuing meeting were approved by a voice vote (Appendix A).

**Committee Reports**

**1. Treasurer's Report** (Appendix B) - Ollin Drennan Ollin reported he is still receiving applications and checks. He received over \$66,000 (96 students and 65 adults) as of this date. This time we plan to have 4 students per room with no situations with 3 students per room where we lost money at the Philadelphia meeting. At that meeting we had to pay the difference for the 4th student missing in the 3 per room suites. Therefore this will help to prevent us from losing money. Ollin stated that we have more adults this year for the Anaheim meeting. A lengthy discussion ensued.

**2. Audit/Financial Review** - Leslie Lieberman Leslie contacted Thomas Triplet, a local accounting firm. We need a financial review, not an audit. Leslie and Ollin will get together and our financial review will be done, hopefully after July 1, 1999. Ollin agreed to work with the new treasurer during this time to make sure the transition is smooth. Both Leslie and Ollin will compile the material to be reviewed (checks, bank statements, check book, bank book, etc). Ollin raised the question of how far back do we need to go with our review. Leslie will find out this information for the January meeting. Leslie will also show the accounting firm Ollin's statements the last few years and try to get an estimate of their fee. John Safko asked if we were tax exempt. Ollin replied that we are.

**3. Secretary's Report** - (Appendices C,D,E,F) Howard S. Pitkow In the conference call meeting in July, Howard Pitkow reported that he sent out first notices and copies of the state offices and programs published in the 1997-1998 Directory, Proceedings and Handbook to all the state academies asking them for revisions. At that time Howard had received 21 responses from the 44 state academies. Since then Howard has sent out between two to four more notices and called several state academy offices repeatedly in order to obtain the remaining 23 revised updates for the Proceedings. Finally, on October 7th, he mailed Ms. Walthall at AAAS the remaining state academy updates to complete the 44 total state academy revisions for the 1998-1999 NAAS Proceedings and Directory. Howard then reported that we are still having a problem with AAAS publishing the 1998-1999 NAAS Directory, Proceedings and Handbook which is supposed to include, among other items, the revised state academy updates, NAAS Board Meeting Minutes, as well as our constitution and by-laws. During our conference call in July, Howard reported that AAAS was trying to save money (i.e., \$3,000) and planned to develop a web page in lieu of a published Directory and Proceedings. After communicating with Shirley Malcom and Barbara Walthall, Barbara was to oversee this operation and that they would still prepare and update NAAS material annually. Supposedly, two people were to assist Ms. Walthall (See Appendices C, D, E, and F for a chronological review and history of the situation).

On November 16th, Howard called Ms. Walthall to check on her progress as to the meeting minutes and state academy revisions. Ms. Walthall reported that she had received all the materials, but has not had a chance to work on the NAAS Proceedings. She also stated that she was still in the process of looking for someone to work on the NAAS project. She emphasized that she and her assistant are working on a very big project for AAAS and that they are "stretched and very busy". She and her assistant each are putting in 10-15 hours extra per week. She wants to and still hopes to get to the NAAS project eventually. She plans to have camera ready pages to put on the AAAS web page with a link to the NAAS web page. She envisions that a NAAS web master would update the state academy revisions as well as

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meeting minutes, etc. She believes that it might be possible to make enough bound copies of the NAAS meeting minutes and constitution in booklet form for all the board members.

Howard related to Ms. Walthall that this was not exactly what was discussed in July. Ms. Walthall felt that she was between a "rock and a hard place". She just doesn't have the manpower at this time. She felt that someone has to determine whose responsibility it was for the NAAS Proceedings and Directory. Is it AAAS? Is it NAAS? Howard explained to Ms. Walthall that it was definitely a AAAS responsibility. Due to the circumstances Howard felt that President Parker should discuss this matter with Shirley Malcolm. As Shirley states in her E-mail to Howard (see Appendix C), "I understand that the Proceedings will need to be printed since it is required by the by-laws". It appears that NAAS business has been given a low priority due to AAAS limitations in money and manpower.

Everyone expressed their frustration including Fred Brenner who has faced the same frustration with our Proceedings and Directory. Judy, at Juan Rodriguez's suggestion, will contact higher AAAS officials and see what develops. A lengthy discussion followed including asking for our \$3,000.00 back from AAAS so that we can publish our own NAAS Proceedings, Directory, and Handbook. Howard also suggested that we write Shirley Malcom about the problem and copy several people above her administratively. Results may be obtained with this strategy.

**4. WebPage** - John Safko John discussed the various ways he could set up our NAAS web page. The Proceedings would cost a lot less than \$3,000.00 since students, not professionals, would be used to update our NAAS web page. Howard stated that Barbara Walthall has our NAAS materials, text and graphics on disk in Page Maker (PC version). John reported that he has not received the web page files from Gene Kritsky, the former NAAS web master. Don Jordan suggested that John Safko start from scratch with developing our web page. John Safko will contract Barbara Walthall at AA.AS to try to get what materials she has in regards to our NAAS Proceedings, Directory and Handbook. Don Jordan reported that he is putting the state academy updates that Howard mailed him on disk and will coordinate this effort with John as web master. Additionally Ollin Drenner volunteered his services by typing in state academy updates to help John put it on the web page. Howard will mail Ollin a copy of the state academy updates in order to facilitate this process. To help in the typing of the web page by students, the Board unanimously approved the sum of \$200.00 for John Safko.

**5. Newsletter** - Don Jordan Don stated that the NAAS Newsletter will be 8 pages long for the next issue. He is also looking for interesting articles and plans to put puzzles in the Newsletter. Other minor items were briefly discussed.

**6. Breakfast with Scientists** - Fred Brenner Fred reported that he mailed out about 2 dozen requests (letters) for money with Gloria Takahashi's recommendations. At this point Fred has not received any money.

Approximately \$2,000.00 is needed for the breakfast to be held at the Anaheim Marriott. Judy Parker asked for suggestions. Various companies suggested by the Chamber of Commerce have not responded to Fred's letters. Lynn Elfner suggested that Fred call these companies personally in an attempt to explain the breakfast and the funds needed for a worthy cause Fred stated that he will follow up with phone calls. Don Jordan suggested that we approach the AAAS exhibitors for funds. The Board also felt that this was a good suggestion. Judy agreed with Howard and Leslie that if we don't raise enough funds, that the NAAS should financially sponsor the breakfast since this is a most worthwhile cause for these gifted students. Howard also suggested that it would be appropriate if the home state academy, where the NAAS-AJAS meeting is being held that year, help to fund the breakfast as the Pennsylvania Academy did in Philadelphia. A discussion followed.

**7. Workshop** - (Appendix G) - Juan Rodriguez Juan discussed the tentative program of speakers for the workshop which is outlined in Appendix G. Also Juan briefly went over the video clips which is also outlined in Appendix G. He plans to edit the video clips since some are longer than desired. Gloria felt that we have a full and varied programs. Juan stated that besides the video clips, some of these organizations will send posters.

**8. January Board Meeting/Delegates Meeting** - Judy Parker Judy reported that the Board Meeting will be held on Thursday from 8:00 AM to about Noon or 1:00 PM. The rest of the schedule will be followed as per the July Conference Call Meeting Minutes - Appendix C.

**9. AJAS Programs** - Gloria Takahashi Gloria mentioned that the dinner at Disneyland will be more expensive at the Festival Arena since we can not have dinner at the Golden Horseshoe. Also, admission to Disneyland went up from \$23 to \$29 along with \$16 for the dinner at the Festival Arena. So, we are below our \$50 limit. The award ceremony and photo session with Dean Decker will have to be short so that the kids can see the park. Students have to be back at the hotel by Midnight. Gloria hopes it does not rain because everything will be outdoors. Hopefully we may get lucky. Gloria was happy to report that the Undergraduate Research Opportunitites program at Irvine is paying for lunch and bus transportation for the AJAS students.

**10. Contacts with State Academies** - Gloria Takahashi Gloria reported that there are 20 students who have not paid who have submitted their abstracts. Ollin reported that 96 students have paid with another six who called who said they would send their money in shortly. Gloria felt that some state academies have not been responsible, especially one state academy. Gloria strongly feels we need alot more coordination of the state academies with AJAS. The contact and communication is sorely lacking in many cases. Sometimes there is a problem between the state academy and its junior academy. A lengthy discussion followed.

**11. Development Committee** - Gloria Takahashi Gloria also feels we need a committee for development to write letters for funding, etc. in order to support the workshops, breakfast with scientists, and AJAS in general. Ertle Thompson made a motion that Gloria write a mission statement (half a page) for the Development Committee. Motion was approved unanimously.

The Conference Call Meeting was adjourned at 1:10 PM Central Time.

Respectfully submitted,

Howard S. Pitkow, MS, PhD  
Secretary, NAAS

**Board of Director Members in Attendance**

Judy Parker	Fred Brenner
Juan Rodriguez	Howard Pitkow
Ollin Drennan	Lynn Elfner
Gloria Takahashi	Don Jordan
Ertle Thompson	Neil Berman
Leslie Sue Lieberman	John Safko

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**APPENDIX A****November 20, 1998 Board Meeting Agenda**

1. Financial Update                      Ollin Drennan
2. Audit/Financial Review              Leslie Lieberman
3. NAAS Directory, Proceedings, and Handbook      Howard Pitkow  
    State Academy Updates for Proceedings
4. Newsletter                              Don Jordan
5. Webpage                                 John Safko
6. Breakfast with Scientists            Fred Brenner
7. Workshop                                Juan Rodriguez
8. January Board Meeting/Delegates Mtg.      Judy Parker
9. AJAS Programs - January            Gloria Takahashi
10. Contacts with state academics      Gloria Takahashi
11. Development committee            Gloria Takahashi
12. Additional items

NOTE: David Hsi and Shirley Malcolm have replied that they are not available. David will be on an airplane and Shirley will be in Russia. Gloria will not be joining us until the last hour of the call.

The procedure will be the same as last summer. Just wait near your phone on Friday at the appointed time, 9:00 am Westcoast to noon Eastcoast, and an operator will call you.

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## APPENDIX B

## NAAS Income/Expense Statement - July 1, 1998-November 18, 1998

<b>Balance, July 1, 1998</b>			<b>\$45,583.85</b>
Income			
Interest		\$593.76	
1999 Anaheim Conference			
Registration	\$9,676.00		
Conference Fees	21,793.00		
Housing	34,788.00	66,257.08	
Transfer from 3120008184		1,000.00	
T-shirt income		13.00	67,863.84
			113,447.69
Expenses			
1999 Planning (Gloria)		823.19	
Newsletter - Hope Hall	48.50		
Copy pickup	355.53	404.03	
Printing - Kwik Kopy		862.56	
Miscellaneous expense			
Overdraft, Account			
maintenance, checks		48.00	2,137.78
<b>Balance - November 18, 1998</b>			<b>\$111,309.91</b>
Savings Certificate 0057928072	\$41,761.02	\$556.83	\$42,317.85
Checking Account 3120008184	3,081.02	26.25	3,107.27
Checking Account 3120006147	741.81	10.68	65,884.79
	\$45,583.85	\$593.76	\$111,309.91

I am still receiving applications and checks so this is an interim summary.

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**APPENDIX C**

June 22, 1998

Howard S. Pitkow  
Secretary, NAAS  
Pennsylvania College of Podiatric Medicine  
8th at Race Street  
Philadelphia, PA 19107

Dear Dr. Pitkow;

As we discussed on the phone last week, I have accepted new responsibilities at AAAS and will not be helping NAAS in producing the *NAAS Proceedings, Directory, and Handbook 1998-99*. I do not know, at this time, who on the AAAS is available to take on this task, but suggest that you contact Jerry Bell or Shirley Malcom at this address concerning this publication.

I do have all the materials from the most recent edition of the *NAAS Directory*-including all the text and graphics on disk in PageMaker (PC version) and can suggest the printer we used as well as one that also provided a printing bid. I also have on file several materials for the upcoming edition that you and Fred Brenner have sent to me, and have access to the Junior Academy Abstracts camera-ready pages from the Annual Meeting Program (1998) for inclusion in the 1999-99 Directory.

As I mentioned, I enjoyed working with the NAAS on this project and hope that you can resolve this matter. Please let me know if I can provide any materials to you.

Sincerely,

Barbara Walthall  
Editor, Science Books & Films

cc: J. Bell  
S. Malcom

**APPENDIX D**

July 23 1998

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**APPENDIX D**

July 23 1998

Howard S. Pitkow  
Secretary, NAAAS  
Temple University School of Medicine  
Dept. of Physiology  
8th at Race Street  
Philadelphia, PA 19107

Dear Dr. Pitkow;

This letter is a follow-up to our conversation today regarding the status of the NAAS Directory, Handbook, and Proceedings. As we discussed, our Directorate no longer has a staff person to dedicate to the production of this book and the funds for printing. Printing costs for this publication are nearly \$3000.00 (for 300 copies at a unit cost of \$9.23.) However, Shirley Malcom, Head of the Directorate, and Maria Sosa, Publications Manager, and I have discussed how we could help NAAS with this project.

What we can offer to NAAS is some of my time to oversee this project and staff to update the materials in the Directory section, Handbook section, Proceedings section, and most of the Junior Academy section of the annual NAAS publication. However, instead of printing a bound edition, our Directorate would post all these materials on the AAAS Web pages and maintain these materials for a limited time until NAAS is ready to post these materials on the NAAS Web site or provide a link to their site.

As in the past years, NAAS would provide us with the corrections and updates to be made to the Directory section, minutes and appendices on disk (financial statements on disk are needed) for the Proceedings section, revisions to the Handbook section; and program, listings of participants, and any additional abstracts for the Junior Academy section. Materials provided on disk will save us the most time.

If NAAS is required by its constitution and bylaws to print the directory and proceeding sections and mail these to its members, we would provide high quality hardcopy that NAAS could reproduce and mail. NAAS members with access to the Web, however, could easily download a print version if necessary.

In our discussions here, we see moving to a Web-based product as both cost effective as well as providing your members with greater service with a more timely product and higher visibility. Once your materials are on the Web, they can be accessed by many others in the scientific and science education community.

Please review this proposal with the NAAS Board and let me know their decision.

Best Regards,

Barbara Walthall  
Editor

cc: Shirley Malcom  
Jerry Bell  
Judy Kass  
Maria Sosa

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**APPENDIX E**

Dear Dr. Malcom,

On June 22nd Ms. Barbara Walthall of AAAS sent me a letter with a copy to you and J. Bell notifying us that she will not be helping the NAAS in producing the NAAS Proceedings Directory and Handbook for 1998-1999. Ms. Walthall suggested that I contact you concerning its publication since the NAAS Board feels this work is essential and an absolute necessity. Since Ms. Walthall has all the material that we sent her for this publication on disk we would of course like her to continue due to the excellent job she has done in the past. I personally have the revisions and up-dates from the state academies which I would like to give to a typist in order to get the 1998-1999 NAAS Proceedings finished.

I would greatly appreciate you contacting me by E-mail, Phone (215-625-5264) or fax (215-629-1622) about the feasibility of a typist, etc. (I have not received a response to the two phone messages I left on 6/24 and 6/29 with Ms. Jennifer Whitfield).

I hope to hear from you soon. Thanking you in advance for your attention in this matter.

Sincerely,

Howard S. Pitkow, M.S., Ph.D  
Secretary, NAAS

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From: SMALCOM [smalcom@aaas.org]  
Sent: Wednesday, July 22, 1998 9:47 AM  
To: Howard Pitkow, PhD  
Subject: Re: <no subject>

Hello. I have since spoken with Barbara about the directory and we are working on a plan internally to try and get this done. Please forgive me for not getting back to you. I was out of the country (in Uganda). The plan we discussed involved having the directory part put on the web to facilitate ease in updating etc. Since it is out of date now the moment it is printed. It is not an option for Barbara to continue the work since she have taken over the position of "editor" of our review journal. I understand that the proceedings will need to be printed since it is required by the by-laws.

Barbara has been trying to reach you to discuss these issues. If at all possible you need to call her today since she is on her way out of the country on vacation. She can be reached at (202) 326-6646.

Thanks

Shirley

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**APPENDIX F**

## MEMORANDUM

TO: NAAS Board of Directors

FROM : Howard S. Pitkow, M.S., Ph.D.  
Secretary, NAAS

DATE: July 31, 1998

SUBJECT: 1998-1999 NAAS Directory, Proceedings and Handbook

At our Conference Call Board Meeting of July 14th, I related that Ms. Barbara Walthall informed me that she will not be doing the 1998-1999 NAAS Directory, Proceedings and Handbook in the future since she was given new responsibilities (see Appendix A). After unsuccessful attempts in trying to reach Shirley Malcom by telephone, I took the advice of the Board and sent an E-mail to her about this situation. Shirley's E-mail response can be found in Appendix B and is self-explanatory. Please note their intention of putting the Directory part on the (AAAS) web site.

Subsequently, I had a telephone conversation with Ms. Walthall, who will be on vacation until August 10th, on July 22nd. She related their compromise solution to save AAAS costs (i.e., \$3,000.) and personnel by putting the NAAS Directory on the AAAS web until we, the NAAS, develop our own web page. Ms. Walthall stated that she could still direct and oversee this operation and that they will still prepare and update materials annually. She also related to me the possibility that they (AAAS) will publish the Proceedings in a printed form but not as a bound book. However, the Handbook and Directory would be only on the web site. After a further discussion with Ms. Walthall it came to light her desire to have two people assisting her as she directs the endeavor. She then graciously emphasized the money was more of the problem than time. I then requested Ms. Walthall to please send me a letter outlining our discussion regarding the Directory, Proceedings and Handbook. This document is enclosed and is labeled as Appendix C.

Although our options may be limited, please read Ms. Walthall's letter carefully since we will be discussing this proposal at the next NAAS Board Conference Call Meeting in October. If you have any questions or comments please don't hesitate to contact me at your convenience.

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## Appendix G

From: J. G. Rodriguez  
 Sent: Friday, November 2, 1998 10:15 am  
 To: Judy Parker Fred Brenner  
 Juan Rodriguez Howard Pitkow  
 Ollin Drennan Lynn Elfner  
 Gloria Takahashi Don Jordan  
 Ertle Thompson Neil Berman  
 Leslie Sue Lieberman John Safko

SUBJECT: Workshop, ISE

I plan to discuss the following in today's telephone conference call:

1) Special mailing to more than 300 "Members of the Scientific Community" to encourage attendance at Dana Point ISE Workshop and The Assembly of Delegates on Saturday, January 23, 1999.

2) Tentative Program for the ISA Workshop

Speakers:

Representatives from WGBH Boston  
 Representative(s) from Science Museum of Minnesota  
 Gene Kritsky, Indiana Academy of Science, Distance Learning Using the Web  
 Lynn Elfner, Ohio Academy of Science, Role of Science Academies in Student  
 Inquiry-Based Learning  
 Robert D. Hirshon, AAAS, Children's Science Radio Projects

Video Clips

Exploratorium, "Teaching Through Technology"  
 WGBH, "Discovering Women"  
 "Nova, A Science Odyssey"  
 Field Museum, "DNA to Dinosaurs"  
 Educational Film Center, "SetQuest, Career Discovery"  
 Cornell Ornithology Laboratory, "Nest Box Network"  
 The Franklin Institute, "Urban Learning"  
 "Girl Scouts of America"  
 WGBH Educational Foundation, "Investigating Classrooms"  
 Entomological Society of America, "Insect Expo"

J. G. Rodriguez, Past President  
 National Association of Academies of Science  
 Kentucky Academy of Science AAAS Rep.  
 1550 Beacon Hill Road  
 Lexington, KY 40504-2304  
 Tel (606) 255-5455  
 Fax (606) 255-4935

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**NAAS Membership and Dues 1998**

Alabama Academy of Science	115.00
Arizona/Nevada Academy of Science	74.05
Arkansas Academy of Science	62.50
The Chicago Academy of Sciences	190.00
Colorado/Wyoming Academy of Sciences	31.00
Delaware Academy of Sciences	32.50
Florida Academy of Sciences	117.25
Georgia Academy of Science	70.00
Hawaiian Academy of Science	39.10
Idaho Academy of Science	91.15
Illinois State Academy of Science	
Indiana Academy of Science	189.70
Iowa Academy of Science	174.70
Kansas Academy of Science	70.00
Kentucky Academy of Science	100.00
Louisiana Academy of Sciences	
Michigan Academy of Science, Arts & Letters	100.00
Minnesota Academy of Science	
Mississippi Academy of Sciences	172.00
Missouri Academy of Sciences	89.35
Montana Academy of Sciences	40.00
Nebraska Academy of Sciences, Inc.	152.50
New Jersey Academy of Science	70.00
New Mexico Academy of Science	50.05
The New York Academy of Sciences	250.00
North Carolina Academy of Science	68.35
North Dakota Academy of Science	
Ohio Academy of Science	250.00
Oklahoma Academy of Science	130.00
Oregon Academy of Science	
Pennsylvania Academy of Science	118.00
Academy of Science of St. Louis	82.45
South Carolina Academy of Science	85.00
South Dakota Academy of Science	
Southern California Academy of Sciences	
Tennessee Academy of Science	122.50
Texas Academy of Science	
Utah Academy of Sciences, Arts and Letters	
Vermont Academy of Science	
Virginia Academy of Science	190.00
Washington (DC) Academy of Sciences	85.00
West Virginia Academy of Sciences	62.50
Wisconsin Academy of Sciences, Arts and Letters	

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## Workshop in Informal Science Education

January 23, 1999  
Anaheim Marriott Grand Ballroom

### PROGRAM

- 12:00      *Luncheon*
- 12:30      *Displays. Trunk Exhibits*, Science Museum of Minnesota  
Video Clips from musuems and other organizations
- 12:55      *Introduction*, **J. G. Rodriquez**, NAAS/Kentucky Academy of Science, Lexington, KY
- 1:00      *Six Speakers*. 15 minutes for each speaker, as follows
- Larry Thomas**, *Musuem on the Move-IMAX and Trunks*  
Science Museum of Minnesota, St. Paul, MN
- Rick Baker**, *Informal Science Programs in Support of Classroom Curricula*  
Orange County Marine Institute, Dana Point, CA
- Robert Hirshon**, *Children's Science Radio Programs*  
American Association for the Advancement of Science, Washington, DC
- Lynn Elfner**, *Role of Science Academies in Student Inquiry Based Learning*  
NAAS/Ohio Academy of Science, Columbus, OH
- Gene Kritsky**, *Distance Learning Using the Web*  
NAAS/Indiana Academy of Science and Collge of Mount St., Joseph,  
Cincinnati, OH
- Frances Rosamond**, *Outreach Activities of Mathematics/Science in the  
Community*  
Dept of Mathematics, Scioence, and Humanities, National Univ., La Jolla, CA
- 2:30      *Discussion*
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**NAAS MEETING LOCATIONS AND PRESIDENTS, 1926 -1998**


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<u>Year</u>	<u>Location of Meeting</u>	<u>President</u>	<u>Year</u>	<u>Location of Meeting</u>	<u>President</u>
1926	Philadelphia, PA	W. H. Alexander (OH)	1969	Boston, MA	Harry J. Bennett (LA)
1927	Nashville, TN	W. H. Alexander (OH)	1970	Chicago, IL	Wilmer W. Tanner (UT)
1928	New York, NY	W. H. Alexander (OH)	1971	Philadelphia, PA	Glenn W. Steward (New England)
1929	Des Moines, IA	H. E. Enders (IN)	1972	Washington, DC	Charles M. Vaughn (OH)
1930	Cleveland, OH	D. W. Morehouse (IA)	1973	No Meeting	Charles E. DePoe (LA)
1931	New Orleans, LA	Chancey Juday (WI)	1974	San Francisco, CA	Franz H. Rathman (ND)
1932	Atlantic City, NJ	A. C. Walton (IL)	1975	New York, NY	Lauren C. Gilman (FL)
1933	Boston, MA	H. E. Enders (IN)	1976	Boston, MA	Lora Magnum Shields (NM)
1934	Pittsburgh, PA	H. B. Carmichael (AL)	1977	Denver, CO	Richard Raridon (TN)
1935	St. Louis, MO	W. H. Alexander (OH)	1978	Washington, DC	James R. Batt (WI)
1936	Atlantic City, NJ	W. H. Alexander (OH)	1979	Houston, TX	Everett Wisman (VA)
1937	Indianapolis, IN	W. H. Alexander (OH)	1980	San Francisco, CA	Robert Hanson (IA)
1938	Richmond, VA	E. C. L. Miller (VA)	1981	Toronto, CANADA	George C. Shoffstall (PA)
1939	Columbus, OH	B. Cunningham (VA)	1982	Washington, DC	Frank W. Starr (IA)
1940	Philadelphia, PA	P. D. Straushaugh (WV)	1983	Detroit, MI	LeeN. Bolen (MS)
1941	Dallas, TX	P. D. Straushaugh (WV)	1984	New York, NY	Dean A. Rosebery (MO)
1942, 1943	No meeting	P. D. Straushaugh (WV)	1985	Los Angeles, CA	Ertle Thompson (VA)
1944	Cleveland, OH	P. D. Straushaugh (WV)	1986	Philadelphia, PA	George C. Shoffstall (PA)
1945	St. Louis, MO	P. D. Straushaugh (WV)	1987	Chicago, IL	Lynn W. Glass (IA)
1946	Boston, MA	H. H. Michud (IA)	1988	Boston, MA	Richard E. Pieper (CA)
1948	Washington, DC	A. O. Weese (OK)	1989	San Francisco, CA	Bill Surver (SC)
1949	New York, NY	F. E. E. Germann (CO)	1990	New Orleans, LA	Claire M. Oswald (NE)
1950	Cleveland, OH	B. Harshbarger (VA)	1991	Washington, DC	Shyamal K. Majumdar (PA)
1951	Philadelphia, PA	C. L. Baker (TN)	1992	Chicago, IL	Don Jordan (SC)
1952	St. Louis, MO	A. R. Middleton (KY)	1993	Boston, MA	David Hsi (NM)
1953	Boston, MA	P. Robertson (IL)	1994	San Francisco	Charles Lytle (NC)
1954	Berkeley, CA	Wayne Taylor (TX)	1995	Atlanta, GA	Dudley Peeler (MS)
1955	Atlanta, GA	Leland H. Taylor (WV)	1996	Baltimore, MD	Gene R. Kritsky (IN)
1956	New York, NY	P. H. Yancey (AL)	1997	Seattle, WA	J. G. Rodriguez (KY)
1957	Indianapolis, IN	Thelma C. Heatwole (VA)	1998	Philadelphia, PA	Judith E. Parker (MN)
1958	Washington, DC	John A. Yarbrough (NC)			
1959	Chicago, IL	A. M. Winchester			
1960	New York, NY	J. G. Arnold (New Orleans)			
1961	Denver, CO	Robert C. Miller (CA)			
1962	Philadelphia, PA	R. Ruffin Jones (FL)			
1963	Cleveland, OH	G. Gerald Acker (OH)			
1964	Montreal, CANADA	J. Teague Self (OK)			
1965	Berkeley, CA	Karlem Riess (New Orleans)			
1966	Washington, DC	J. A. Rutledge (NB)			
1967	New York, NY	V. Elving Anderson (MN)			
1968	Dallas, TX	John H. Melvin (OH)			

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**NAAS DISTINGUISHED SERVICE AWARDS, 1962 - 1998**

1962	Dr. Leland H. Taylor (W. VA) Dr. Patrick H. Yancey (AL)	1978	Albert McCombs (CO) Sister M. Gabrielle Maze (PA)
1963	Dr. Clinton L. Baker (TN.) Dr. Wayne Taylor (MI)	1979	Ruth (John) Melvin (OH) Robert W. Hanson (IA)
1964	E. Ruffin Jones (FL) John A. Yarbrough (NC)	1980	James Batt (WI) Dr. George C. Shoffstall (PA)
1965	J. Teague Self (OK) G. Gerald Acker (OH)	1981	Lynn E. Elfner (OH)
1966	Karlem Riess (New Orleans)	1982	Arthur H. Livermore (AAAS)
1967	Dr. James A. Rutledge (NB) (Raymond L. Taylor [AAAS], not mentioned in the Distinguished Address but mentioned in subsequent lists in the D & P as having received the award).	1983	Joseph M. Dasbach (AAAS)
1968	John H. Melvin (OH) Dr. John G. Arnold, Jr. (New Orleans) V. Elving Anderson (MN)	1984	Dr. Lee N. Bolen, Jr. (MS)
1969	Harry Bennet (LA)	1985	Dr. Dean A. Rosebery (MO)
1970	Dr. John R. Mayor (AAAS)	1986	Dr. Ertle Thompson (VA) Dr. Shyamal K. Majumdar (PA) Mrs. Dallas W. Cocke (VA)
1971	Dr. Rodney C. Berry (VA) Dr. Everett L. Wisman (VA) Dr. Wilmer W. Tanner (UT)	1987	Dr. George C. Shoffstall (PA)
1972	Thelma C. Heatwole (AAAS) Glenn W. Stewart (NH Stella Catherine Miller (Washington, D.C.)	1988	Dr. R. Dean Decker (VA)
1974	Hans Nussbaum (AAAS) Charles M. Vaughn (OH) Charles E. DePoe (LA)	1989	Not Awarded
1975	Lora Mangum Shields (NM) Frank Starr (IA) Franz H. Rathmann (ND)	1990	Dr. Claire M. Oswald (NE)
1976	Richard J. Raridon (TN)	1991	Not Awarded
1977	Boyd Harshbarger (VA) Robert C. Miller (CA)	1992	Dr. Shyamal K. Majumdar (PA)
		1993	Dr. Don Jordan (SC)
		1994	Dr. David Hsi (NM)
		1995	Dr. Charles Lytle (NC) Gloria J. Takahashi (CA)
		1996	Dr. Dudley F. Peeler (MS) Dr. Ollin Drennan (MO)
		1997	Dr. Gene Kritsky (IN)
		1998	Dr. Juan Rodriguez (KY)

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