

# INDIANA ACADEMY OF SCIENCE MINUTES OF THE GENERAL BUSINESS MEETING NOVEMBER 5, 1993

## Call to Order

President Duvall Jones called the meeting to order after the noon luncheon held in the Memorial Union at Purdue University.

## Introductions and Welcome

President Jones introduced members and guests at the head table. Dr. Steven Beerling, President of Purdue University, officially welcomed the Academy to Purdue.

## Approval of the Minutes

The Minutes of the previous General Business Meeting held at Ball State University on 6 November 1992 were approved.

## Summary of the Council Meeting of 4 November 1993 (Haddock)

The Personnel Committee submitted several motions. The result was a reaffirmation by the Council that the Academy had moved in the right direction in hiring a part-time Executive Director to help maintain yearly continuity in IAS programs. The Council also reaffirmed that services rendered through extraordinary contributions to the Academy, such as editorial and/or publications-related work, will continue to be paid for after passing through normal budgetary procedures and review.

The Research Grants Committee raised concerns about the number of awards that should be given annually. Should the IAS reduce the number and make each grant larger, or should the IAS continue to award a large number of small grants (currently around twenty) with a corresponding reduction in the money awarded (the "seed money" concept)? The Council requested the Research Grants Committee to study this and other issues dealing with the selection of recipients and the allocation of grant funds and to report no later than the fall of 1994.

The Council approved the concept of page charges for publication in the *Proceedings* but **not** the requirement that the authors be members of the Academy. This change will not go into effect until specific, approved page charges are published in the *Proceedings*.

The election results were as follows:

President-Elect	Gene Kritsky
Treasurer	Ed Frazier
Academy Foundation	Frank Guthrie
Research Grants	Paul MacMillan

Bill Lovell was appointed the new Executive Director effective 1 January 1994.

### **Treasurer's Report (Frazier)**

The following is a short summary of the Treasurer's Report:

	Beginning Balance 1/1/93	Revenues YTD	Expenses TD	Balance on Hand 9/30/92
Operating Fund	\$19,867.89	\$24,701.34	\$15,976.64	\$28,592.59
Total Restricted Funds	<u>\$37,116.18</u>	<u>\$48,919.24</u>	<u>\$48,067.95</u>	<u>\$37,967.47</u>
Total Funds	\$56,984.07	\$73,620.58	\$64,044.59	\$66,560.06

### **Comments by the President-Elect (Mueller)**

President Wayne Mueller briefly highlighted some current activities of the Youth Activities and Publications Committees. He encouraged input from IAS members so that these and other committees could continue to flourish. He also posed the following question: "Do our seventeen Sections reflect the needs of present and future members of the Academy as it moves toward the twilight of the 20th Century?"

### **Comments by the President (Jones)**

President Duvall Jones discussed some advances made in science education and lauded Purdue University for its leadership role in promoting science education in Indiana.

### **Resolutions (Haddock for Morse)**

The Secretary read a resolution thanking Purdue University for the use of its facilities and George Parker and the Local Arrangements Committee for hosting the Fall 1993 Meeting. A motion was made and seconded to support these resolutions. The motion carried.

Paul Rothrock, Chair of the Biological Survey Committee, read a resolution entitled "The Control and Use of Exotic Species of Plants and Animals." The text of this significant resolution may be found on pages 105-106 of Volume 103(1-2). A motion was made and seconded to adopt the resolution. The motion carried.

### **Honoring the Past IAS Presidents Who Were Also Purdue Faculty Members (Melhorn)**

Bill Melhorn introduced the following Past Presidents, who were/are also faculty members at Purdue: Howard Michaud (1963), Alton Lindsay (1967), Sam Postlethwait (1971), and Bill Lovell (1992). (Bill also served as President in 1988.) Bill also announced the recent death of Guy Mellon, a Purdue faculty member who served as President in 1942. Finally, Bill spoke briefly of Dan Wiersma, recently deceased, who was active in the IAS for many years and headed the Water Research Institute at West Lafayette.

**Necrology Report (Munsee)**

Jack Munsee read the names of following IAS members who were reported as deceased since the last Fall Meeting:

William S. Benninghoff	Ann Arbor, Michigan
William C. Clark	Volga, South Dakota
Arthur T. Guard	West Lafayette, Indiana
Richard O. McCracken	Indianapolis, Indiana
Wallace B. Miner	DeKalb, Illinois
Mary Rose Stockton	Oldenburg, Indiana
Dan Wiersma	Covington, Indiana
Eliot C. Williams, Jr.	Crawfordsville, Indiana
Walter G. Randall	Upland, Indiana
Melvin G. Mellon	West Lafayette, Indiana

As is customary, the membership stood and observed a few moments of silence in memory of our departed colleagues.

**Report of the Fellows Committee (Schmelz)**

The following members were elected to the honorary rank of IAS Fellow: David L. Daniell, A.J.C.L. Hogarth, and Stephen A. Perrill.

**Report of the Emeritus Member Selection Committee (Haddock for Hopp)**

The following members were elected Emeritus Members: James B. Cope, Arthur L. Eiser, Mary F. Ericksen, Virgil R. Knapp, K.W. Nightenhelser, John F. Schafer, Charles E. Smith, and Frank J. Zeller.

**Report on the Junior Academy (Townsend)**

Lisa Townsend gave a brief summary of what was happening at this year's Junior Academy Meeting.

**Introduction of the Speaker of the Year (Daniell)**

Dr. William Beranek, Jr., Speaker of the Year, was introduced to the membership. He received his B.S. in Chemistry from the University of Wisconsin and his Ph.D. in Chemistry from the California Institute of Technology. Since 1975, he has worked in Indiana. He specializes in nonpartisan policy analysis of State and local environmental issues that have a technology component. Bill is currently President of the Indiana Environmental Institute, Inc., a neutral third-party forum dedicated to the analysis and mutual understanding of options for Indiana environmental protection laws, rules, and policies.

A brief summary of Dr. Beranek's presentation entitled "Environmental Priorities in the United States: How Did We Get Here and Where Are We Going?" is as follows: Environmental policy is one part science and ten parts public perception. General confusion over an issue, poor public understanding of scientific principals, and the perception that scientists are biased all contribute to the difficulties encountered when trying to agree to a compromise on

an environmental issue. Several trends are evident in the environmental movement today, and these trends may be, at least partially, in conflict. The conservation, preservation, and public health movements all have their specific agendas. When their agendas are combined with a strong desire to advocate a "simplicity of life" and to take up populist causes, bringing these groups to the bargaining table vis-a-vis industry and government becomes more difficult. Bill suggested that we arrange our priorities and focus on those issues whose environmental effects will be **irreversible** if left unattended. Risk assessments will have to be made to help prioritize our goals for environmental improvement because our resources are limited. Bill closed by asking, "What can we do in Indiana?" We should (1) get involved, (2) be precise when setting our standards (technology wise), (3) encourage the State of Indiana to create the position of Indiana Environmental Scientist, and (4) increase scientific literacy in non-scientists.

### **Adjournment**

The meeting adjourned at 1:50 P.M.

Respectfully submitted,  
Jim Haddock, Secretary

# INDIANA ACADEMY OF SCIENCE EXECUTIVE COMMITTEE MINUTES NOVEMBER 3, 1994

## Call to Order

President Wayne Mueller called the meeting to order at 1:10 P.M. in the basement conference room of the Administration Building on the campus of IU South Bend.

The following members of the Executive Committee attended: Gary Dolph, Ed Frazier, Jim Haddock, Duvall Jones, Gene Kritsky, Bill Lovell, and Wayne Mueller. Additional Academy members were also present: Charlotte Boener, Walter Hasenmueller, Wendell McBurney, Bill McKnight, Bill Melhorn, and Holly Oster.

## Approval of the Minutes

The Minutes of the previous meeting held on 23 September 1994 were accepted after minor errors were corrected.

## Approval of the Agenda

Minor modifications were made to the Agenda that was then approved.

## Treasurer's Report (Frazier)

Ed Frazier reported that a few line items are temporarily "in the hole." Currently, there is not much cash on hand, but the Academy is getting along nicely. The bills for the Spring and Fall Meetings at South Bend will be consolidated and should be received in the next few weeks. The following is a summary of the financial report:

Operating Fund	Beginning Balance 1/1/94	Revenues YTD	Expenses YTD	Balance on Hand 9/30/94
Operating Fund	\$14,499.73	\$22,272.52	\$12,233.54	\$24,538.71
Total Restricted Funds	<u>\$40,122.94</u>	<u>\$88,610.88</u>	<u>\$116,449.18</u>	<u>\$12,284.64</u>
Total Funds	\$54,622.67	\$110,883.40	\$128,682.72	\$36,823.35
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Funds on Deposit		Deposits	Withdrawals	
Checking	\$2,522.30	\$125,326.50	\$124,704.87	\$3,143.93
Money Market	\$16,990.82	\$10,742.63	\$25,000.00	\$2,733.45
CDs	<u>\$35,109.55</u>	<u>\$1,370.74</u>	<u>\$5,534.32</u>	<u>\$30,945.97</u>
Total Funds on Deposit	\$54,622.67	\$137,439.87	\$155,239.19	\$36,823.35

The financial report was accepted.

**Foundation Report (Frazier)**

Ed Frazier made only a few comments. Some buying and selling activity will occur in the Wright Fund in the future. Approximately \$83,000 will be available next year for program support. Frank Guthrie will give a comprehensive report in the Council Meeting.

**Editor's Report (Dolph)**

Over the last four years (1991-1994), ninety-nine papers were reviewed for publication, and fifteen were rejected. Considerable variation exists among Sections with respect to the number of papers submitted for publication each year. Section size and the number of papers presented at the annual meeting may be the cause. Gary Dolph attempts to balance the articles among the disciplines as much as possible without unduly holding up publication. He uses a minimum of two reviewers for each article, and the average review time is about four months. Volume 98 has been published! Two papers (both in the Botany Section) are currently ready for Volume 104 (1-2).

**Executive Director's Report (Lovell)**

The total membership had increased to 1,312 as of 1 November 1994. Bill plans to begin collecting dues on a **calendar year** basis. The first 1995 dues notice will be mailed in December 1994. The set up, printing, and distribution of the *Yearbook* is now being completed in a more timely fashion. Bill is also working to help the President with the "nuts and bolts" of setting up the Agenda as well as soliciting committee reports and handling miscellaneous requests from the Executive Committee. Over the past year, he has made several recommendations for modernization of the Constitution/Bylaws and has facilitated the establishment of the Special Service Award, the Distinguished Scholar Award, and the Past President's Fund. Finally, Bill has constructed a modern, complete, accurate membership data base that promises to yield address labels and hard copy with a minimum of effort. The Academy is very fortunate to have a person as dedicated as Bill Lovell [Secretary's note].

**Committee Reports****Amendments Committee (Melhorn)**

The Committee prepared a working document that the Executive Committee first discussed in September 1994. This document will be forwarded to the Council later today (3 November 1994) for their discussion and input. Comments, opposing views, etc., will then be considered by the Amendments Committee, and they will make acceptable changes before the document is brought forward to the Executive Committee, Council, and general membership for their ratification in 1995.

**Library Committee (Mueller for Oster)**

This summer, a flood at the State Library initiated a series of events that may influence the Academy's use of these facilities. The Academy's collection will

be moved to an area on the fourth floor that is much smaller than what we are now using. During the months ahead, the IAS will be negotiating and posturing with State Library Officials about immediate concerns and a long-range plan that is beneficial to both parties. President Wayne Mueller appointed an *ad hoc* Library Committee consisting of Bill Lovell, Wendell McBurney, and Bill McKnight to look into the situation. At this point, we **do** know that:

1. Bill McKnight will need to find storage space for Special Publications;
2. The IAS will be moved from our present space by December 1994;
3. The IAS will incur additional expenditures for storage; and
4. The IAS can legally be moved completely out of the Library with one year's notice.

#### **Nominations Committee** (Boener)

The results of the recent election were:

President-Elect	Jim Gammon
Secretary	Susan Johnson
Bonding Committee	Mohammad Behforouz
Foundation	Wendell McBurney
Research Grants	Clare Chatot

A total of 296 ballots was received by the deadline.

#### **Publications Committee** (McKnight)

Bill McKnight reported that three Academy publications have appeared since the last Executive Committee meeting: *Plain Ol' Charlie Deam*, *Freshwater Mussels of the Midwest*, and *Plants of the Chicago Region*. Sales have been outstanding! Interest in the Academy's publications continues to grow as evidenced by the destinations of many of our mail orders. Books have been shipped to forty-three States, Washington, D.C., and twenty-four foreign countries.

Bill McKnight discussed the progress that has been made in recruiting a new *Newsletter* Editor. The Committee will be interviewing one candidate later this afternoon.

A decision has not been reached on the initiation of page charges for publishing in the *Proceedings*. A final recommendation on page charges will be delayed until a dues increase has been considered.

#### **Programs and Invitations Committee** (Riemenschneider)

Victor Riemenschneider mentioned that 264 Junior Academy and 140 Senior Academy members had preregistered.

#### **Fellows Committee** (Lovell for Schmelz)

William Beranek, Jr., was recommended for election to Academy Fellow. His name will be submitted to the Council for approval and to the general membership for ratification.

**Emeritus Members** (Lovell for Day)

The following names will be submitted to the Council and to the general membership for their approval as Emeritus Members: Theodore W. Cutshall, Hayden H. Murray, Thomas R. Mertens, John A. Ricketts, Arthur Mirsky, and Charles H. Steinmetz.

**Old Business*****Operation's Handbook***

The preparation of this much-needed publication is entering its final phases. The *Handbook* should be available to Academy officers, committee chairs, and others in 1995.

**Special Awards**

The idea and logistics of setting up a Special Service Award and a Distinguished Scholar Award have already been discussed and passed at a previous Executive Committee meeting. The Executive Committee's recommendations will be forwarded to the Council later today.

**Code of Ethics**

The Executive Committee endorsed an Academy Code of Ethics in September 1994. The Code of Ethics will be forwarded to the Council today.

**Past President's Fund**

Bill Lovell submitted the following resolution:

Be it resolved that the IAS establish a Past President's Fund in the IAS Foundation to honor the service and contributions of its distinguished past presidents. Contributions will be welcome from any source. Contributors of \$1,000.00 or more will be designated as "Sponsors" and will be suitably recorded in the records of the IAS.

The resolution passed unanimously on a voice vote.

**New Business****Kritsky Resolution**

Gene Kritsky reviewed the "State of the Academy," an 11-point summary of the status of the IAS (credit was given to the hard work of the current leadership as well as to that of other members over the last several years). See the Addenda for the full text of the address.

Gene Kritsky also requested that a resolution (see Addenda) be passed supporting the past activities of the Academy. The resolution was seconded and unanimously approved.

### **Options for Director of Public Relations**

Gene Kritsky sought approval to take the following proposal to the Council: Separate the position of *Newsletter* Editor from the PR position. The President would appoint the *Newsletter* Editor upon recommendation of the Executive and Publications Committees. The President would appoint the Director of Public Relations upon the recommendation of the Executive Committee. The Director of Public Relations will issue press releases and other information as directed by the President or the Executive Committee. The Director of Public Relations will serve as a resource person for the Executive Committee and may be invited to Executive Committee meetings. Approval to take these suggestions to the Council was granted.

### **Announcement**

The next Executive Committee meeting will be Saturday, 10 December 1994, at 9:30 A.M. in the State Library. The meeting will be held to a maximum of one hour so that the Budget Committee can begin deliberations by 10:30 A.M.

### **Adjournment**

The meeting adjourned at 2:40 P.M.

Respectfully submitted,  
Jim Haddock, Secretary

## **ADDENDA**

### **APPOINTMENT OF THE DIRECTOR OF PUBLIC RELATIONS AND THE *NEWSLETTER* EDITOR**

The Executive Committee reconvened Friday, 4 November 1994, at 2:00 P.M. in the Auditorium in Northside Hall on the Campus of IU South Bend. The purpose of this meeting was to consider appointing Jim Berry, a faculty member in the Biology Department at Butler University, *Newsletter* Editor. The term of his appointment would be for three years and two months. Jim will need funds (approximately \$1,000.00) for initial computer support. A motion was made and seconded to appoint Jim Berry *Newsletter* Editor with his service beginning immediately. The motion was approved. Wayne Mueller will serve as Director of Public Relations.

The meeting was adjourned at 2:10 P.M.

## STATE OF THE ACADEMY

1. Membership is at a record high.
2. The quality of the *Proceedings* has improved the scientific reputation of the Academy.
3. The *Newsletter* is being published on a timely basis.
4. IAS publications are producing significant income, increasing our national reputation, and improving our public image.
5. The IAS supports research in the State with about \$40,000.00 in funding.
6. The Executive Director has enabled the Academy to streamline its budget process, improve membership services, coordinate committees, and increase the number of corporate members.
7. The IAS once more is bringing the voice of scientific reasoning to issues of concern within the State.
8. Youth Activities has had several successful fund-raising attempts.
9. The IAS is completing an *Operations' Handbook* to insure continuity of activities from year to year.
10. The quality of the program for the Fall Meeting was very high.
11. The IAS is fiscally strong.

I am asking that the Council approve the following policy resolution:

Be it resolved that the Council of the Indiana Academy of Science instructs the Executive Committee to continue the positive efforts of this year. We instruct the Budget Committee to continue the balance between Publications and Research Grants, to continue the position of Executive Director, and to maintain support for Youth Activities and the Biological Survey Committee. We ask that the President report to the Council next fall on the "State of the Academy."

# INDIANA ACADEMY OF SCIENCE COUNCIL MINUTES NOVEMBER 3, 1994

## Call to Order

President Wayne Mueller called the Council Meeting to order at 3:10 P.M. in the basement conference room of the Administration Building at IU South Bend. The Secretary neglected to circulate an attendance sheet. Approximately thirty members attended.

## Approval of the Minutes

The Minutes of the previous meeting (29 April 1994) were accepted.

## Approval of the Agenda

Minor modifications were made to the Agenda that was then approved.

## Treasurer's Report (Frazier)

Ed Frazier reported that we have not been billed for the Spring Meeting that was held here at IU South Bend. He anticipates receiving a single bill for both meetings at the end of the year. Two line items have temporary negative balances due to normal cash flow patterns. A summary of the financial report is as follows:

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Total Funds on Deposit	\$54,622.67	\$137,439.87	\$155,239.19	\$36,823.35

The financial report was approved.

## Report of the President-Elect (Kritsky)

Gene Kritsky presented his "State of the Academy" report, an 11-point summary of the status of the Academy (due to the hard work of the current leadership as well as the stewardship of the leaders who were members of the Council during the last several years). See p. 104 for the full text.

Gene also moved that it be resolved that the Council of the Indiana Academy of Science instruct the Executive Committee to continue the positive efforts of this year. We instruct the Budget Committee to continue the balance between Publications and Research Grants, continue the position of Executive Director, and maintain support for Youth Activities and the Biological Survey Committee. We ask that the President report to the Council next fall on the "State of the Academy." The resolution was seconded and opened for discussion. Considerable discussion occurred about the concept of "balance" as used in the Resolution. A suggestion was made that too much money was being allotted to Publications and not enough to Research Grants. Gene explained that by using the word "balance," the Council would be recognizing the importance of continued high-level financial support for **both** areas and that research, by itself, is meaningless if the results cannot be distributed through publication. The motion was approved unanimously.

### Editor's Report (Dolph)

Over the last four years (1991-1994), ninety-nine papers were reviewed, and fifteen were rejected. Considerable variation occurs in the number of papers received each year among the Sections. This variation is related to Section size and the number of papers presented at the annual meeting. Gary attempts to balance the published articles among the disciplines as much as possible without unduly holding up an issue. He uses a minimum of two reviewers/article, and the average review time is about four months. Volume 98 has finally been published and has hit the streets! Two papers (both in the Botany Section) are currently ready for publication in Volume 104.

### Committee Reports

#### Academy Foundation (Guthrie)

The status of the three trust accounts as of 31 October 1994 was as follows:

	Market Value	Annual Income
John S. Wright Fund	\$1,905,013.00	\$83,665.00
Invested Income Account	\$202,544.00	\$10,648.00
Academy Foundation Account	\$82,994.00	\$3,746.00
Totals	\$2,190,551.00	\$98,059.00

#### Amendments Committee (Melhorn)

Gene Kritsky made the following recommendations:

1. The position of *Newsletter* Editor should be separated from the position of Director of Public Relations.
2. The *Newsletter* Editor should be appointed by the President upon the recommendation of the Executive and Publications Committees.

3. The Director of Public Relations will be appointed by the President upon the recommendation of the Executive Committee. The Director of Public Relations will issue press releases and other information as directed by the President or the Executive Committee. The Director of Public Relations will serve as a resource person for the Executive Committee and may be invited to attend Executive Committee meetings.

A motion was made to approve these proposals and to forward them to the Amendments Committee for appropriate rewording for the Constitution. The motion was approved.

A discussion of the proposed changes to the Constitution followed. A number of questions and concerns were raised during this discussion and were forwarded to the Amendments Committee for further consideration:

1. Should the Research Grants Committee report annually to the Council?
2. Clarify the mechanics of Section 3, page 2.
3. A motion was made to remove the position of Director of Public Relations from Article 3, Section 1, but to leave the remaining composition of the Executive Committee intact. The recommendation was approved.
4. Deletion of Sections Chairs from the Council (refers to Article 6, Section 1).
5. Deletion of Past Presidents from the Council.
6. Concern about Article XIII, Section 3. (Someone suggested that the IAS should see a tax lawyer about our nonprofit status.)
7. Is the Amendments Committee "sitting" on issues and not moving them on to Council? A motion was made to repeal (or curtail) the power of the Amendments Committee to hold up Constitutional changes that the Council should consider. A fracas ensued with one school of thought arguing that the Amendments Committee was unduly stifling progress and change by not moving suggestions through the Committee as fast as possible and then forwarding them to the Executive Committee and the Council. The opposing school might best be summarized as: the Amendments Committee works with reasonable speed given that this Committee must act only in a deliberative, conservative style so that proposed Constitutional and/or Bylaw changes come to fruition only after extensive thought, study, and interaction with other groups (Executive Committee, the Council, etc.) in the Academy. Proponents of this school of thought pointed out that the Amendments Committee must have sufficient lead time to consider concerns/issues brought to them by individual members — particularly during the summer, when many Committee members are not always at their desks. The motion was defeated by a vote of twenty-three (against) to twelve (for). The twelve votes against included seven proxy votes.

### Library Committee (Oster and Mueller)

A brief summary of Holly Oster's report is as follows: The IAS currently has in the State Library a total of 11,945 volumes, ninety-six pamphlets, twenty-seven maps, 285 microfiche, and twenty-six data discs. For the period October 1993 to September 1994, 629 interlibrary loan requests were processed. On authority of the Academy Budget Committee, 213 volumes were prepared and sent for commercial binding. Volume 102 (two issues) was distributed to Academy members, libraries, etc. Domestic exchange copies of *Orchids of Indiana* and *Biological Pollution* were also distributed. The long-awaited Volume 98 was received and mailed to eligible 1988 Academy members. The 1995/97 budget request as prepared by Gary Dolph, Editor of the *Proceedings*, was entered on disc and submitted to the State Budget Agency. The Academy has requested \$8,811.00 for each year of the biennium.

President Wayne Mueller summarized recent events at the State Library: A flood this summer has intitated a series of events that will affect the Academy's use of these facilities. Our collection will be moved to a 4th floor area that is smaller than what we are now using. During the months ahead, we will be negotiating and posturing with State Library Officials about immediate concerns and a long-range plan that is beneficial to both parties. President Mueller appointed an *ad hoc* Library Committee consisting of Bill Lovell, Wendell McBurney, and Bill McKnight to look into the situation. At this point, we **do** need to know if (1) Bill McKnight will need to find space for Special Publications, if (2) we will be moved out of our present space by December 1994, if (3) we will incur additional expenses for storage, and if (4) Library Officials can legally move us out of the State Library with one year's notice.

### Nominations Committee Report (Boener)

Charlotte Boener reported the election results:

President-Elect	James Gammon
Secretary	Susan Johnson
Bonding Committee	Mohammad Behforouz
Foundation Committee	Wendell McBurney
Research Grants	Clare Chatot

A total of 296 ballots was received by the deadline.

### Publications Committee (McKnight)

Bill McKnight reported that 3 Academy publications have appeared since the last Executive Committee meeting: *Plain Ol' Charlie Deam*, *Field Guide to Freshwater Mussels of the Midwest*, and *Plants of the Chicago Region*. Sales have been outstanding! Interest in our publications continues to grow as evidenced by the destination of many mail orders. Publications have been shipped to forty-three States as well as twenty-four foreign countries. Bill also discussed the progress that has been made on recruiting a new *Newsletter* Editor.

The Executive Committee will be interviewing a possible candidate this afternoon. There is no word yet on initiating page charges for publishing in the *Proceedings*. A final recommendation on page charges will be delayed until a dues increase is considered.

#### **Programs and Invitations (Parker)**

George Parker moved that DePauw University be accepted as the host institution for the 1996 Spring and Fall Meetings. The motion was approved. Dr. Robert J. Stark, Department of Biological Sciences, will chair the Local Arrangements Committee.

#### **Research Grants Committee (Hicks)**

David Hicks presented a summary of senior research grant activity:

	<u>Spring 94</u>	<u>Fall 94</u>	<u>Year</u>
Number of applications	36	25	61
Mean amount requested (\$)	1188	1269	1221
Mean amount awarded (\$)	679	908	776
Amount awarded/amount requested (%)	57	72	63
Funded applications (%)	83	80	82
Fully funded applications (%)	6	16	10
Total awarded (\$)	19,970	18,810	38,780

David also commented on the applicant pool for the senior grant program. As has been the case for at least the past few years, the typical applicant is a graduate student in the biological sciences at one of the larger State universities. Indiana University, Indiana State University, and Ball State University are well represented in the applicant pool. We also receive a significant number of applications from university faculty members, also primarily from the larger State schools. Groups that are poorly represented in the applicant pool are physical scientists, faculty at private and smaller State schools, and university undergraduates.

The following remarks were made about the high school research grants program. No applications were received from high school students in the spring of 1994. In the fall, eighteen grants were received from students at five schools.

Number of applications	18
Mean amount requested (\$)	197
Mean amount awarded (\$)	148
Amount awarded/amount requested (%)	75
Funded applications (%)	89
Fully funded applications (%)	17
Total amount awarded (\$)	2370

#### **Science and Society Committee (Severs)**

David Severs reported on the upcoming Wetlands Symposium, which begins with a reception late Friday afternoon and continues with presentations that

evening and on Saturday. The registration fee of \$10.00 includes the Saturday luncheon. A spring symposium to honor Sherman Minton (herpetologist) is being planned. David also reported that there may not be much interest by Academy members to form and/or participate in a Speakers Bureau.

#### **Youth Activities Committee (Rhodes)**

The role of the Youth Activities Committee of the IAS is to coordinate Academy sponsored or supported programs for the middle and secondary schools within the State. These programs include the Indiana Junior Academy of Science and the Indiana Academy of Science Talent Search. No financial support was provided for the Indiana Science Fair program or the Indiana Science Olympiad in 1994, although these activities did receive some support in the past. Only the Science Talent Search is limited to high school juniors and seniors.

Lisa Townsend served as Director of the Indiana Junior Academy of Science. Twenty-eight schools represented by nearly 350 students attended the 41st Annual Fall Meeting held at Purdue University on 5 November 1993. Sarita James of Homestead High School in Fort Wayne was selected Outstanding Junior Scientist. She also received first place in the Research Paper Competition with her project entitled "Neural Network Phenomic Recognition of Helicopter Commands." As a result, Sarita will represent the Indiana Junior Academy of Science at the AAAS/American Junior Academy of Science meeting in San Francisco in February 1994.

The Indiana Junior Academy of Science will meet at Indiana University South Bend Friday, 4 November 1994, in conjunction with the Fall Meeting of the Academy. The IAS is the sole sponsor of the Indiana Junior Academy of Science. Participation by secondary science students and teachers continues to grow. The program must continue to be supported by the Academy.

The 47th Indiana Academy of Science Talent Search was held 4-5 March 1994 at Ball State University. Nine students from six high schools were invited to attend. Director Melissa Warden and the Science Talent Search Committee declared five students Winners in the 1993-94 competition; the other four students were named Finalists. Public Service Indiana continued its financial support of the event, and scholarships were provided to two of the Winners by the Hoosier Association of Science Teachers, Inc., and the Indiana Academy of Science. The recipients of the two \$1,000.00 scholarships were Paul Lynch of Graceland Christian High School in New Albany and Neva Meyer of Paoli Jr./Sr. High School in Paoli.

Michael McInerney and Austin Brooks will be on sabbatical next year. Therefore, two one-year appointments will be made to the Indiana Academy of Science Talent Search Committee. Charles Goss of Indiana State University has been named as the temporary replacement for Austin Brooks in the life sciences. Another appointee from Rose-Hulman will replace Michael McInerney.

The 48th Indiana Academy of Science Talent Search will be held on 3-4 March 1995 at Ball State University in Muncie. Although Kappa Kappa Kappa no longer financially supports the Talent Search, PSI has again confirmed their gift of \$1,000.00 for general support and the Hoosier Association of Science Teachers, Inc., has again pledged \$1,000.00 for one of the two scholarships awarded at the final luncheon. Last year the Academy provided the second scholarship, but another donor is currently being sought in the hope of being able to provide a total of three such scholarships.

Information received from AAAS said that only about \$7,000.00 was budgeted for secondary school student research grants to State Academies. AAAS might have to reduce this amount as well as the total number of grants awarded to the State Academies. The Youth Activities Chair wrote a proposal requesting \$1,500.00 from AAAS, and the Academy provided matching funds. AAAS awarded the Academy \$800.00, making a total of \$2,300.00 available for student research grants. A new application for a AAAS grant to partially fund our high school student research grants program will be written in June 1995.

The Youth Activities Newsletter, *Scientific Notations*, which was initiated last year, continues to be published biannually.

Melissa Warden, Lisa Townsend, and Virginia Rhodes made two presentations at the February Convention of the Hoosier Association of Science Teachers, Inc., in Indianapolis. The three first spoke on "How to Prepare for State and National Science Competitions." Other Youth Activities Committee members, Tom Anderson, Susan McConnell, and Patricia Zeck, also provided teacher input. A second presentation was entitled "Student/Teacher Opportunities Through the Indiana Academy of Science." The presenters offered guidance, suggestions, and many helpful handouts to Indiana science teachers.

The Academy and the Science Education Foundation of Indiana, Inc., have joined forces in a new program to provide assistance to quality science and mathematics education with particular emphasis on helping students in precollege years. The new event is a statewide Science Mentor Program.

#### **Fellows Committee** (Schmelz)

A motion was made to nominate William Beranek, Jr., to the status of IAS Fellow and to submit his name to the general membership for ratification. The motion passed.

#### **Emeritus Committee** (Day)

A motion was made to nominate six members to the status of IAS Emeritus Members — Theodore W. Cutshall, Thomas R. Mertens, Arthur Mirsky, Hayden H. Murray, John A. Ricketts, and Charles H. Steinmetz. The motion was approved.

**Natural Areas Committee** (Riemenschneider)

Victor Riemenschneider devoted his efforts this year to arrangements for the Spring and Fall Meetings. (The IAS appreciates it, Vic! Well done!) The resolution at the Spring Meeting was the Committee's primary effort this year.

**Local Arrangements Committee** (Riemenschneider)

The *Program and Abstracts* for 110th Annual Meeting served as this year's report. At the end of the meeting, Vic will be putting together a summary report for the IUPUI campus to help them in planning for next year.

**Academy Representative to the Indiana Natural Resources Commission** (Schmelz)

In May, the Commission held its regular monthly meeting at Clarksville and then participated in the formal opening of the Visitors Center at the Falls of the Ohio State Park. In July, the Committee met in Terre Haute, getting into the field to inspect an abandoned strip mine now being reclaimed. In September, the Committee met in Hammond and toured the 45 miles of Lake Michigan coast over which the Department of Natural Resources has jurisdiction. The other Commission meetings were all held in Indianapolis, where action was taken on Soil and Water Conservation Districts, reports from hearings disputing departmental decisions, changes in fee structure, etc. Currently, a set of guidelines under which citizens will be allowed to keep wild animals is being finalized.

**Old Business*****Operations' Handbook*** (Mueller)

The preparation of this much-needed publication is entering its final phases, and the *Handbook* is expected to be available to Academy officers, committee chairs, etc., in 1995.

**Special Service Award** (Lovell)

A motion was made and seconded to present the Special Service Award as described in previous IAS Minutes. The motion carried.

**Distinguished Scholar Award** (Lovell)

A motion was made and seconded to present the Distinguished Scholar Award as described in previous IAS Minutes. The motion was amended to read: "The award will be given one year after the year of approval and is to be presented at the Fall Meeting of the Academy." The amendment and the amended motion were approved.

**Code of Ethics**

A motion was made and seconded to approve the Code of Ethics (see Addendum) and to include it in the *Operations' Handbook*. The motion passed.

**Past President's Fund (Lovell)**

Bill Lovell submitted the following resolution:

Be it resolved that the IAS form a Past President's Fund in the IAS Foundation to honor the service and contributions of its distinguished past presidents. Contributions will be welcome from any source. Contributors of \$1,000.00 or more will be designated as "Sponsors" and will be so recorded in the records of the IAS.

Although the concept was deemed a good one, considerable discussion ensued about the mechanics of setting up the Fund (account-wise) and how the money might be used (if it is targeted at all). A motion was made to postpone action until the Spring Meeting to allow time for the specifics to be worked out. The motion was approved.

**New Business****Formation of a Steering Committee (Jones)**

A motion was made to form a Steering Committee consisting of eleven appointed members to oversee the Executive Committee. This proposal resulted in considerable debate. The prevailing opinion was that a Steering Committee would represent a needless layer of bureaucracy. The motion failed.

**Life Member Funds**

A motion was made to place the proceeds generated from Life Memberships into a dedicated account from which the earnings could be used in each succeeding year. The Welch Fund is administered in this fashion. Action on this motion was postponed to allow Ed Frazier and Frank Guthrie time to study it.

**Targeting Research Funds to Undergraduates (McBurney)**

Wendell McBurney suggested that the Academy might want to look at targeting part of the research grant funds to undergraduate researchers through the Youth Activities Committee. This action might help to bridge the gap between the senior and junior divisions of the Academy. Gene Kritsky said that he would welcome a detailed proposal for awarding research grants to undergraduates.

**Adjournment**

The Council adjourned at 6:10 P.M.

Respectfully submitted,  
Jim Haddock, Secretary

## ADDENDUM

### INDIANA ACADEMY OF SCIENCE CODE OF ETHICS

Each member of the IAS will adhere to the following standards. Members will:

- Represent the best interests of the organization, and not favor special interests inside or outside of the IAS.
- Never present themselves as an IAS representative inappropriately nor exercise more authority than is assigned.
- Not use one's position or authority for personal advantage nor for the advantage of friends or supporters.
- Not solicit or accept gifts if it can be reasonably inferred that the gift is intended to influence action or judgment.
- Abstain from participating in debate or voting in matters that would directly or indirectly benefit oneself, family, or associates.
- Keep confidential information confidential.
- Not use IAS property for non-IAS activities unless such use is specifically authorized by the Executive Committee or the Council.
- Not sell or give any IAS property for less than an adequate compensation and then only when empowered to do so.
- Not offer the services of the IAS without authorization from the Executive Committee or the Council.
- Not knowingly provide false information, unjustly denigrate members, or in any way attempt to impede the functioning of the IAS.
- In all matters concerning the IAS, follow generally accepted guidelines concerning proper conduct both in IAS sanctioned activities and when representing the IAS elsewhere.
- Act and conduct business according to the guidelines provided by the current Constitution, Bylaws, and the *Operations' Handbook* and, if not specifically listed, according to the current edition of *Robert's Rules of Order*.

# INDIANA ACADEMY OF SCIENCE

## MINUTES OF THE

### GENERAL BUSINESS MEETING

#### NOVEMBER 4, 1994

#### Call to Order (Mueller)

President Wayne Mueller called the meeting to order at 1:00 P.M. in the auditorium of Northside Hall on the campus of IU South Bend.

#### Welcome

Dr. H. Daniel Cohen, Chancellor of IU South Bend, officially welcomed the Academy to the South Bend campus.

#### Comments by IAS President Wayne Mueller

President Mueller reviewed the "State of the Academy," a document prepared jointly with President-Elect Gene Kritsky. The report included the following 11-point summary of where the Academy now stands:

1. Membership is at a record high.
2. The quality of the *Proceedings* has improved the scientific reputation of the Academy.
3. The *Newsletter* continues to be published on a timely basis.
4. Academy publications are resulting in significant income, increasing our national reputation, and improving public relations.
5. The IAS is continuing to support research in the State at the \$40K level.
6. The Executive Director has enabled us to streamline the budget process, improve services to the membership, coordinate committees, and increase the number of corporate memberships.
7. The IAS is once more bringing the voice of scientific reasoning to issues concerning the State.
8. The IAS has been successful in soliciting funds for Youth Activities.
9. The IAS will soon issue an *Operations' Handbook* to increase the efficiency of its operations.
10. The Fall Meetings have offered programs of very high level of quality.
11. The IAS is fiscally strong.

#### Introduction of the Speaker of the Year (Burden)

Stan Burden, Chair of the Speaker of the Year Selection Committee, introduced Bill Lovell, School of Civil Engineering, Purdue University, as the Academy's 1995 Speaker of the Year. Dr. Lovell presented a talk entitled "Sustainable Development," which was an abbreviated version of the presentation he will be making to campus audiences around the State.

The following is a brief summary of his presentation: Increased environmental sensitivity must be balanced by economic development. Bill explained that we need to meet the needs of the present generation without preventing future generations from meeting theirs. The concept, sustainable development, represents the middle ground between short-term profit and a "back to nature" lifestyle. To accomplish sustainable development, we need to broaden our scientific base and at the same time acquire more knowledge about economics and political processes. For example, manufacturers need to know how an automobile will be decommissioned (i.e., disassembled) **before** they begin to mass-produce it. Part of the equation of sustainable development is some reasonable form of population control. Population control is needed to limit demand for products to an arena that is compatible with protection of the environment. Technological "fixes" to the environment are not unbounded.

Bill's talk will be both proactive and controversial. The talk should make for some lively debate on how to achieve "sustainable development." Bill, do you feel that college faculty should promote a better understanding of economics among undergraduate science majors?

### **Introduction of New Officers**

President Mueller introduced the newly elected IAS officers:

President-Elect	James Gammon
Secretary	Susan Johnson
Bonding Committee	Mohammad Behforouz
Academy Foundation	Wendell McBurney
Research Grants	Clare Chatot

A total of 296 ballots was received by the deadline.

### **Approval of the Minutes**

The Minutes of the General Business Meeting held on 5 November 1993 were approved.

### **Report of the Fellows Committee (Schmelz)**

William Beranek, Jr., was elected to the honorary rank of IAS Fellow.

### **Report of the Emeritus Selection Committee (Day)**

The following members were elected to Emeritus status: Theodore W. Cutshall, Thomas R. Mertens, Arthur Mirsky, Hayden H. Murray, John A. Ricketts, and Charles H. Steinmetz.

### **Special Service Award**

The first Special Service Award was presented to President Wayne Mueller in recognition of his meritorious service to the Academy. Congratulations, Wayne!

**Necrology** (Munsee)

Frances M. Gourley of LaPorte, Indiana, passed away since the 1993 Business Meeting.

**Synopsis of the Minutes of the Council for 3 November 1995** (Haddock)

**Amendments.** A working document has been prepared and initial discussions took place in the Council Meeting yesterday. Their recommendations will be considered by the Amendments Committee in the future and will be brought back to the Council and general membership for their action in 1995.

**Publications.** Bill McKnight reports that three books have been published recently: *Plants of the Chicago Region*, *Plain Ol' Charlie Deam*, and *Field Guide to Freshwater Mussels of the Midwest*. Sales have been outstanding.

**Programs and Invitations.** The Council approved DePauw University as the site of the 1996 meetings.

**Wetlands Symposium.** The Science and Society Committee will be sponsoring a symposium that begins tonight and lasts through mid-afternoon Saturday. Congratulations to David Sever, Jacques Delleur, and their Committee for organizing this program.

**Youth Activities.** The Committee would like to increase the number of corporate scholarships given out at the Science Talent Search. The State Science Mentoring Program will start in 1995.

**Awards.** The Special Service Award and the Distinguished Scholar Award were approved by the Council.

**Code of Ethics.** The Council approved a Code of Ethics that will be placed in the *Operations' Handbook*.

**Resolutions** (Mueller for Dhawale)

President Mueller read a resolution thanking IU South Bend for the use of its facilities and Larry Garber, Victor Riemenschneider, and their Committee for hosting the 1994 Fall Meeting. A motion was made to officially thank the University and the Local Arrangements Committee. The motion passed.

**Adjournment**

The Meeting adjourned at 1:55 P.M.

Respectfully submitted,  
Jim Haddock, Secretary

# INDIANA ACADEMY OF SCIENCE EXECUTIVE COMMITTEE MINUTES DECEMBER 10, 1994

## **Call to Order**

The meeting was called to order by President Wayne Mueller at 9:40 A.M. in the Conference Room of the State Library in Indianapolis. The following members of the Executive Committee were present: Gary Dolph, Ed Frazier, Jim Haddock, Duvall Jones, Gene Kritsky, and Wayne Mueller. Several additional Academy members also attended: Charlotte Boener, Bill McKnight, and Holly Oster.

## **Approval of the Minutes**

The Minutes of the Executive Committee meeting of 3 November 1994 were approved after some minor errors were corrected.

## **Approval of the Agenda**

Minor modifications were made to the Agenda which was then approved.

## **Editor's Report (Dolph)**

Gary Dolph reported that we are having some problems with the printer (Kron-Bolden) in getting Volume 103(1-2) of the *Proceedings* published in a timely manner. There has been a 100% cost overrun because of the printer's error in counting pagination. When the State prepared the bid sheet, the length of the *Proceedings* was given as "Seventy-three double-sided pages." Kron-Bolden read this as seventy-three pages. In addition, the typesetting has been very sloppy, resulting in numerous errors. Lengthy delays in getting this issue out will continue to plague the Academy, influencing the publication dates of future issues of the *Proceedings*. A motion was made and seconded to allow the Editor to negotiate with Kron-Bolden relative to a new fee for this Volume. The motion was approved.

## **Treasurer's Report (Frazier)**

Ed Frazier reported that he has not been billed by IU South Bend for the 1994 Meetings. He expects the bill to be about \$5,000.00 to \$6,000.00. With an additional bill of approximately \$3,580.00 for *Newsletter* expenses, the Academy currently has a financial obligation of about \$9,000.00. Due to a cash flow problem, the Publications Committee is \$7,000.00 in the red, but the Academy will be substantially in the black by the end of the year. The financial report was summarized as follows:

Fund Accounts	Beginning Balance 1/1/94	Revenues YTD	Expenses YTD	Balance on Hand 11/30/94
Operating Fund	\$14,499.73	28,484.90	\$16,770.23	\$26,214.40
Total Restricted Funds	<u>\$40,122.94</u>	<u>\$156,479.08</u>	<u>\$184,305.07</u>	<u>\$12,296.95</u>
Total Funds	\$54,622.67	\$184,963.98	\$201,075.30	\$38,511.35
Funds on Deposit	Deposits		Withdrawals	
Checking	\$2,522.30	\$199,559.70	\$197,177.95	\$4,904.05
Money Market	\$16,990.82	\$34,269.86	\$25,000.00	\$26,260.68
Certificates of Deposit	<u>\$35,109.55</u>	<u>\$1,370.74</u>	<u>\$29,133.67</u>	<u>\$7,346.62</u>
Total Funds on Deposit	\$54,622.67	\$235,200.30	\$251,311.62	\$38,511.35

## Old Business

### Past President's Fund (Kritsky)

The Executive Committee approved establishing a Past President's Fund with the following provisions:

1. The Fund is established to honor the distinguished Past Presidents of the Academy.
2. The Fund is to be managed cooperatively by the Academy Treasurer and the Chair of the Academy Foundation.
3. Income from the Past President's Fund is dedicated to sponsoring Academy Research Grants.
4. Contributors of \$1,000.00 or more will be designated as "Sponsors," and their names will be recorded in the *Yearbook* and/or another similar Academy publication.
5. Contributions are solicited from Past Presidents, other Academy members, and nonmembers.

The approval of the IAS Council will be requested at the 1995 Spring Meeting.

### Correction of Membership Totals (Mueller)

The corrected *Yearbook* has 1,188 entries:

Members	652	Sustaining	82
Associate	140	Student	136
Emeritus	100	Life	14
Honorary	3	Corporate	13
Institutional	9	Clubs	39

**Secretary's Report (Haddock)**

In addition to preparing the Minutes of the Executive Committee, Council, and Business Meetings held during the Fall Meeting at IU South Bend, the following year-end items were completed:

1. A mock-up of the 1995 Academy letterhead was prepared and given to Susan Johnson.
2. A new listing of Section Chairs and Vice-Chairs for 1995 was prepared and transferred to Bill Lovell, Executive Director.
3. The annual letter to the INB Financial Officer listing 1995 Academy Officers and the membership of the Academy Foundation Committee was prepared and mailed.

Everything is in order for the new Secretary, Susan Johnson of Ball State University, to begin her duties on 1 January 1995. Godspeed Susan, and may your pen never run dry!

**New Business****Executive Director**

Bill Lovell has agreed to serve as Executive Director for 1995 if the Executive Committee so approves. A motion passed to retain the professional services of Bill Lovell as Executive Director for 1995. A formal Letter of Agreement with Bill was signed by the Treasurer. Congratulations, Bill! Your tireless efforts have made the Academy run smoother than ever! In addition, you have made several unique contributions, such as proposing the establishment of a Past President's Fund, that will enable the Academy to reach even loftier goals in the years to come.

**Dues**

Bill Lovell is in the process of billing members for 1995. Expect your dues notice soon.

**Ideas for the 1995 Spring/Fall Meetings (Lovell, *in absentia*)**

With respect to the 1995 IAS Meetings, Bill Lovell advanced three ideas for our consideration:

1. At the Spring Meeting, a half-day workshop for Section Chairs/Vice-Chairs should be held dealing with techniques for increasing Section activity/productivity.
2. At the Fall Meeting, Bill suggested that we consider a Science and Society Symposium on "Pollution in Indiana." Despite the limited attendance (30) at the Wetlands Symposium in South Bend, support exists for another post-meeting symposium. The attendance should be larger in the Indianapolis area. The Executive Committee should be highly proactive in support of such a symposium.

3. The host institution (IUPUI) has some really first-class meeting facilities as well as some very ordinary ones. Given access to better facilities and with an Indianapolis location, the Academy could have an exceedingly well-attended and successful Fall Meeting.

### **Letter of Agreement for the *Proceedings*' Editor**

A motion was made and seconded to approve an honorarium of \$4,000.00 for the services of the Editor of the *Proceedings* for 1995. The motion was approved.

### **Goals for 1995 (Kritsky)**

President-Elect Gene Kritsky proposed the following new programs for 1995:

1. Increase the number of Senior Members.

Conduct a membership campaign in the Fall.

Designate a campus representative for each institution and corporation. Send the representative a packet of prewritten letters, application forms, and copies of the *Newsletter*. The Academy representative should also receive a list of Academy members at his/her institution so that he/she can identify and send letters to faculty members who are not Academy members. This program would be funded out of the President's Budget.

Increase public awareness of the Academy.

Send the *Yearbook* to all Senior and Sustaining Members early in 1995. Update the *Yearbook* for a membership mailing every two years but publish the committee lists every year.

2. Increase public awareness of the Academy.

Conduct a public education program.

Investigate the value of producing a brochure on "Science of Indiana's Interstates," which could be distributed at the Visitor's Centers. About 100,000 copies should be printed.

3. Report to the Council at the Fall Meeting on the "State of the Academy."

Gene stated that mailing costs for item one should be about \$1,000.00. This money would come from the President's Budget. A motion to that effect was made and approved.

The "Interstates Brochure" could be very positive for the Academy and the State of Indiana as a whole. If properly designed, the brochure could portray Indiana as pro-technology and pro-science. Gene felt that the brochure could be valuable to various Chambers of Commerce. A motion was made to approve the brochure. The motion carried.

**Proposed Name Change for the Plant Taxonomy Section**

Academy members in the Plant Taxonomy Section have overwhelming approved a name change to the "Plant Systematics and Biodiversity Section." A motion was made to approve the name change. The motion carried. Their request will be forwarded to the Amendments Committee.

**Expression of Appreciation to Retiring Officers (Mueller)**

President Wayne Mueller extended his appreciation and that of the Academy for the efforts of Duvall Jones (now leaving the Executive Committee as Immediate Past President) and to Jim Haddock (now completing his second three-year term as Secretary). Appreciation noted.

**Next Meeting**

President-Elect Gene Kritsky stated that the next meeting of the Executive Committee will be sometime in February.

**Adjournment**

The Executive Committee adjourned at 10:30 A.M. so that the annual Budget Meeting could commence.

Respectfully submitted,  
Jim Haddock, Secretary

# INDIANA ACADEMY OF SCIENCE BUDGET COMMITTEE MINUTES DECEMBER 10, 1994

## Call to Order

President-Elect Gene Kritsky called the meeting to order at 10:40 A.M. in the Conference Room of the State Library in Indianapolis. The following Academy members were present: Charlotte Boener, Stan Burden, Harry Day, Gary Dolph, Ed Frazier, Jim Gammon, Jim Haddock, Laura Jenski, Susan Johnson, Duvall Jones, Gene Kritsky, Dick Lees, Bill McKnight, Wayne Mueller, Holly Oster, Virginia Rhodes, Paul Rothrock, and Melissa Warden.

## Review of the Proposed Budget (Frazier)

### Operating Budget

Ed Frazier began by reviewing the status of the 1994 Operating Fund. As of 10 December, the Academy had a balance on hand of \$26,214.00. About \$9,000.00 to \$10,000 of this amount will be needed for the *Newsletter* and to pay expenses for the Spring and Fall Meetings that were held at IU South Bend. The Academy will be left with a net total of \$15,000.00 to \$16,000.00. Ed also showed that we can realistically expect a little over \$25,000.00 in dues receipts for 1995.

Stan Burden (Academy Foundation) remarked that **new** expenditures should not exceed \$80,000.00 since that amount will be roughly what is available in 1995 from the Wright Fund. Old expenses should come out of the Invested Income Fund.

Ed Frazier mentioned that the Academy's ceiling (maximum) deficit in the Operating Budget should be less than \$10,000.00 and, hopefully, not more than \$5,000.00.

Bill McKnight contributed \$4,500.00 from the sale of publications for use toward Academy expenses. Ed Frazier anticipates a \$5,000.00 contribution from Bill Lovell, although this has not yet been confirmed.

Laura Jenski and Dick Lees, co-chairs for the 1995 meetings at IUPUI, estimate that expenses for the Fall Meeting will run about \$15,219.00 with an income estimate of \$14,650.00. The deficit for the Fall Meeting should be about \$600.00 (estimated at \$569.00).

Paul Rothrock, Chair of the Biological Survey Committee, stated that the Committee's expenses for 1995 would increase to \$5,500.00 due to expenses incurred from the State Flower Project.

Ed Frazier reported that the Science and Society Committee is asking for \$1,500.00 for 1995 to support a possible symposium next year.

Virginia Rhodes, Chair of Youth Activities, requested \$8,600.00 from the Operating Budget to support her Committee's activities. The Youth Activities Committee requested an additional \$4,350.00 from Dedicated Funds for the Science Talent Search. (The **net** need of the Science Talent Search is \$2,350.00 since \$2,000.00 is raised from donations.)

Finally, approximately \$800.00 (\$792.53) was left over from publishing Volume 98 of the *Proceedings*. (Thank you, Gary!)

A motion was made and seconded to approve the 1995 Operating Budget. Expenses (\$68,405.00) will exceed revenues (\$57,555.00) by approximately \$10,850.00. The deficit was estimated to be around \$5,850.00 by the end of 1995. The motion passed.

### **Dedicated Funds Budget**

Gary Dolph reduced the budget for publishing the *Proceedings* to \$31,000.00 by delaying publication of Volume 104(3-4) until 1996 (a savings of \$16,000.00).

A motion was made to reduce the Research Grants Committee's budget to \$35,000.00 with the hope of returning it to \$38,000.00 if additional contributions are received to help balance the Dedicated Funds Budget. Considerable discussion followed about this Committee's lack of representation at the Budget Meeting. The Committee's absence has been a historical problem. Several members voiced a concern about the general lack of accountability by research grant recipients and felt that these concerns should be brought before the Council.

The motion to approved the Dedicated Funds Budget passed.

### **Adjournment**

The meeting was adjourned at 12:30 P.M.

Respectfully submitted,  
Jim Haddock, Secretary

# INDIANA ACADEMY OF SCIENCE EXECUTIVE COMMITTEE MINUTES APRIL 28, 1995

## **Call to Order**

President Gene Kritsky called the Executive Committee Meeting to order at 1:07 P.M. in the Biology Department Conference Room at IUPUI. The following members attended: Charlotte Boener, Gary Dolph, Ed Frazier, Jim Gammon, Frank Guthrie, Walter Hasenmueller, Susan Johnson, Daryl Karns, Gene Kritsky, Keith Landa, Bill Lovell, Bill McKnight, Wayne Mueller, Holly Oster, Paul Rothrock, David Sever, and Nelson Shaffer.

## **Approval of the Agenda**

The agenda was approved with modifications.

## **President's Report (Kritsky)**

President Gene Kritsky began with comments of a general nature. He will act on the issue of generating a list of e-mail and FAX addresses.

The Executive Committee congratulated Gene on his election as President of the National Association of Academies of Science for 1996. He is the 1995 President-Elect.

Gene indicated that the IAS could have a home page on the World Wide Web in conjunction with the home page of the State Library. The Executive Committee approved carrying this item forward for approval by the Council.

## **President-Elect's Report (Gammon)**

Jim Gammon invited communication from IAS members.

## **Treasurer's Report (Frazier)**

Ed Frazier presented the Indiana Academy of Science Account Summary as of 31 March 1995. The total funds on deposit were \$61,544.49; the year-to-date revenues were \$36,421.02; and expenses were \$9,799.76. An itemized Budget Revenue Report was also presented. Ed noted that the Academy is in good financial shape.

The report of the Auditing Committee attested to the financial condition of the Academy for fiscal year 1994. A motion was made and seconded to accept the report of the Auditing Committee. The motion carried.

## **Report of the Academy Foundation Trustees (Guthrie)**

Frank Guthrie reported that the overall market value of the Academy's stocks was \$2,282,829.00 as of 28 February 1995. Their Committee administers three funds: the Academy Foundation (\$85,055.00), the John S. Wright Fund (\$2,010,718.00), and the Invested Income Account (\$187,056.00). The overall total yield on the Academy's holdings was reported as 4.4%.

**Secretary's Report (Johnson)**

Susan Johnson reported that the new IAS stationary was available.

**Editor's Report (Dolph)**

Gary Dolph presented the Tables of Contents for Volumes 103(1-2), 103(3-4), 104(1-2), and 104(3-4). Gary reported that Kron-Bolden was not showing any signs of caring about the quality of their work. The availability of funds also hinders publication of the *Proceedings*.

Holly Oster indicated that a Contract for Services would expedite receiving State-appropriated funds for printing the *Proceedings*. The IAS could also prevent unqualified printers, such as Kron-Bolden, from receiving a printing job. A motion was made to adopt the Contract for Services for this year and to monitor the activity. The motion carried.

**Executive Director's Report (Lovell)**

C.W. Lovell reported that he was pleased with the quality of the *Yearbook*. The Chair thanked Bill for his assistance in preparing the *Yearbook*. Bill compiled a list of Members in good standing for 1995. One thousand two-hundred, forty-six members were in good standing as of 28 April 1995. Bill received responses from 855 members (68.6%) to his two dues notices. Two *Newsletters* have been distributed. Bill does not want to drop members until they have had a chance to see the next issue of the *Proceedings*.

**Report of the Newsletter Editor (McKnight for Berry)**

Bill McKnight, reporting in place of Jim Berry, said that two *Newsletters* had been distributed. The Winter issue bears a January 1 postmark. New mailing rates were discussed.

**Report of the Amendments Committee (Frazier)**

Ed Frazier reported that the Committee has not met.

**Report of the Local Arraignments Committee (Frazier)**

Ed Frazier reported that approximately twenty banquet tickets for the Spring Meeting on 28 April 1995 had been purchased. President Kritsky entertained suggestions for increasing interest among the membership in the Spring Meeting. After discussion, the Executive Committee voted to take over planning the Spring Meeting with the intention of holding the meeting in a State Park.

**Report of the Publications Committee (McKnight)**

Bill McKnight reported on several items. First, Academy publications are being stored in a facility close to the State Library that has room for expansion. Second, an order form listing twenty-seven publications available through the Academy is available. Third, the State Parks will be selling IAS publications. Finally, sales are strong with \$42,000.00 in sales predicted for 1995.

The Publications Committee put forth four motions:

1. To take to Council a motion to accept the prospective figure of \$50,000.00 for the production and printing of *Amphibians and Reptiles of Indiana*.
2. To approve a contract with Hilltop Press for \$5,200.00 for the production, including printing, of an Indiana State Flower poster. All fourth-grade classrooms in Indiana would receive the poster and teacher packet in August 1995.
3. To commit \$7,500.00 to the production of *Asters, Goldenrods, and Sunflowers of the Upper Midwest*.
4. To authorize the Treasurer to pay a stipend to the Chair of the Publications Committee when the balance from publication sales exceeds \$3,000.00.

These motions carried.

The Publications Committee has received a letter from John S. Castrale of the Indiana Department of Natural Resources asking if the IAS would be interested in publishing a breeding bird atlas. The Committee is seeking more information.

The Publications Committee voted in favor of assessing page charges for articles that appear in the *Proceedings*. The Publications Committee recommended a charge of \$20.00 per page for members and a charge for the full cost of publication for nonmembers. A motion was made and seconded that the Executive Committee obtain Council approval to establish a committee that would report at the Fall Meeting on page charges and a possible dues increase.

#### **Report of the Program and Invitations Committee**

No report.

#### **Report of the Research Grants Committee (Shaffer)**

Nelson Shaffer received seventeen requests totaling \$28,000.00. The amount awarded was \$16,700.00. The next deadline for submitting proposals is 15 September for the Senior Academy and 1 October for the Junior Academy. The Committee employs a policy of providing "seed money" for research.

#### **Report of the Ad Hoc Library Committee**

An *ad hoc* Library Committee, composed of Wendell McBurney (Chair), Bill Lovell, and Bill McKnight, has considered the relationship between the Academy and the State Library. The members generated six possible options, ranging from making no change in the current arrangement to an option calling for a move to a new location. The Committee hopes to present a final report by November 1995. Gene Kritsky asked Wendell to write a brief article for the *Newsletter* requesting input from the membership.

**Report of the Biological Survey Committee (Rothrock)**

Paul Rothrock presented a resolution calling for the IAS to sanction an Indiana Biological Survey, whose mission would be to accumulate information on biotic communities and to preserve examples of species. The Survey would emphasize vertebrate collections and be housed at Indiana State University. A motion was made and seconded to recommend adoption of the resolution. The motion carried.

After discussing a plan formulated by Tom Simon for an Aquatic Regional Center for Biological Diversity in northwestern Indiana, the Executive Committee voted to approve the development of the Center in a limestone building in Gary and granted permission to the Biological Survey Committee to seek funding for the proposed Center. An amendment to the motion, stating that the Executive Committee would carry the idea to the Council for its deliberation without endorsement, also passed.

**Report of the Science and Society Committee (Sever)**

David Sever reported on plans for a symposium on 12-14 April 1996 in Indianapolis to honor Sherman A. Minton, Jr., on the occasion of the publication of the revised edition of *Amphibians and Reptiles of Indiana*. The cost of the symposium was estimated at between \$3,000.00 and \$3,500.00. After discussion, a motion passed allowing the Treasure to sign a contract with IUPUI for the symposium to honor Sherman Minton on 12-14 April 1996.

**Report of the Nominations and Elections Committee (Boener)**

Charlotte Boener announced that nominations were being sought for President-Elect, the Foundation Committee, and the Research Grants Committee.

**Adjournment**

The Chair adjourned the meeting at 3:05 P.M.

Respectfully submitted,  
Susan M. Johnson, Secretary

# INDIANA ACADEMY OF SCIENCE COUNCIL MINUTES APRIL 28, 1995

## **Call to Order (Kritsky)**

President Gene Kritsky called the meeting to order at 3:23 P.M. in the Science, Engineering, and Technology Center at IUPUI.

## **Approval of the Minutes**

The minutes of the previous meeting were approved.

## **Approval of the Agenda**

The agenda was approved.

## **President's Report**

President Gene Kritsky reported on and brought forth motions from the Executive Committee Meeting that preceded the Council Meeting.

A motion to establish a World Wide Web home page for the Academy through the auspices of the Indiana State Library was approved.

In view of the sparse attendance at the Spring Meeting, a recommendation was made that the Spring Meeting be coordinated by Ed Frazier at a State Park. The motion passed.

A motion establishing a Committee to prepare a formal resolution on page charges for individuals publishing in the *Proceedings* was passed. The President will organize this Committee.

The President commented on the activities of the National Association of Academies of Science, an organization for which he is serving as President-Elect.

## **Treasurer's Report (Frazier)**

Ed Frazier presented the Indiana Academy of Science Account Summary as of 31 March 1995. The summary showed that the total funds on deposit were \$61,544.49, the year-to-date revenues were \$36,421.02, and the year-to-date expenses were \$9,799.76. An itemized Budget Revenue Report was also presented. Ed reported an increase of \$3,000.00 in the allocation for research grants. One life member was added to the Academy. He noted that the Academy was in good financial condition.

The report of the Auditing Committee attested to the sound financial condition of the Academy for fiscal year 1994. A motion was made and seconded to accept the report of the Auditing Committee. The motion carried.

A motion was made and seconded to establish a Past President's Fund to honor the service of the Past Presidents of the Academy. An amendment to rename

the fund the David Starr Jordan President's Fund was defeated. The main motion carried.

### **Special Awards**

A motion passed approving Herbert Brown, Professor Emeritus of Chemistry at Purdue, Nobel Laureate, and Member of the Academy as the first recipient of the Distinguished Scholar Award.

A motion was approved naming Bill McKnight, Chair of the IAS Publications Committee, the recipient of the Special Service Award.

### **Report of the Local Arrangements Committee**

Twenty-three reservations for the Spring Meeting and twenty reservations for the banquet were reported. The banquet was scheduled immediately after the Council Meeting in the President's Room of the University Place Hotel from 6 to 8 P.M.. The speaker will be Wayne Mueller, Professor of Biology at the University of Evansville and Past President of the Academy. His topic will be "The Galapagos: The Enchanted Isles."

### **Report of the Publications Committee (McKnight)**

Several items were mentioned. First, the use of a new first class mailing option for the *Newsletter* will be a cost-saving measure. Second, IAS publications are stored in a facility that has room for expansion close to the State Library. Third, an order form listing twenty-seven publications available through the Academy was circulated. Fourth, the State Parks have agreed to sell Academy publications. Bill McKnight predicted that sales would be quite good at the State Parks. Finally, Bill noted that sales are strong and predicted approximately \$42,000.00 in sales for 1995.

Four motions were brought forth from the Executive Committee:

1. A motion was approved to expend up to \$50,000.00 for the production and printing of *Amphibians and Reptiles of Indiana*.
2. A motion was approved to enter into a contract with Hilltop Press for \$5,200.00 for the production and printing of an Indiana State Flower poster. All fourth-grade classrooms in Indiana would receive the poster and teacher packet in August 1995.
3. A motion carried to commit \$7,500.00 to the production of *Asters, Goldenrods, and Sunflowers of the Upper Midwest*.
4. A motion authorizing the Treasurer to pay a stipend to the Chair of the Publications Committee when the balance from publication sales exceeded \$3,000.00 was approved.

Bill noted that the Publications Committee has received a request from John S. Castrale of the Indiana Department of Natural Resources to publish a breeding bird atlas for Indiana. The Committee is seeking more information about this project.

**Library Report (Oster)**

Holly Oster reported that the IAS collection has been moved within the State Library. The move has not affected service. Our furniture is in a secure area in the basement.

**Report of the *Ad Hoc* Library Committee**

The *ad hoc* Library Committee, composed of Wendell McBurney (Chair), Bill Lovell, and Bill McKnight, discussed the relationship between the Academy and the State Library. The Committee members generated six possible options, ranging from making no change in current IAS-Library location and management to moving our collection to one of several other locations. The Committee hopes to present a final report in November 1995. To obtain input from the membership, a note about the Library will be published in the *Newsletter*.

**Report of the Research Grants Committee (Shaffer)**

Nelson Shaffer reported that the Committee received seventeen requests totaling \$28,000.00. The amount awarded was \$16,700.00. The Committee continues to adhere to a policy of providing "seed money" for research. Discussion followed regarding Academy funding for research grants in contrast with funding for the dissemination of the results of research. Deadlines for the submission of grant proposals are 15 September and 15 March for the Senior Academy and 1 October for the Junior Academy. Brochures are available which explain this procedure.

**Report of the Nominations Committee (Boener)**

Charlotte Boener reported that the Committee is accepting nominations for President-Elect and for members of the Foundation and Research Grants Committees.

**Report of the Biological Survey Committee (Rothrock)**

Paul Rothrock presented a Committee resolution calling for the IAS to sanction an Indiana Biological Survey, whose mission would be to accumulate information on biotic communities and to preserve examples of species. The Survey would emphasize vertebrate collections and be housed at Indiana State University. After discussion, the Council voted to approve the resolution with the understanding that this does not imply a financial commitment by the IAS.

After discussion of a plan formulated by Tom Simon to develop an Aquatic Regional Center for Biological Diversity in northwestern Indiana, the Council voted to approve the establishment of the Center which would be housed in a limestone building in Gary; to grant permission for the Biological Survey Committee to seek funding, assuming the inclusion of indirect costs, for the proposed Center; and to require a report to the Council next fall by the Survey so that the Council can assess whether to continue its support of the project.

**Announcements**

The Science and Society Committee announced plans for a symposium on 12-14 April 1996 in Indianapolis to honor Sherman A. Minton, Jr. The symposium would coincide with the publication of the revised version of *Amphibians and Reptiles of Indiana*. The treasurer was authorized to sign a contract with IUPUI to host the symposium.

On May 18, public television across Indiana will air a program about efforts to recover parts of a meteorite that exploded in Harrison County on 28 March 1859.

The President anticipates proposals from the Amendments Committee at the Fall Meeting.

The next meeting of the Council will be on Thursday, 2 November, at IUPUI in conjunction with the Fall Meeting of the Academy.

**Adjournment**

The meeting was adjourned at 4:47 P.M.

Respectfully submitted,  
Susan M. Johnson, Secretary

# INDIANA ACADEMY OF SCIENCE EXECUTIVE COMMITTEE MINUTES OCTOBER 5, 1995

## **Call to Order**

President Gene Kritsky convened the meeting via conference call at 7:00 P.M.. Members in attendance included: Ed Frazier, Susan Johnson, Gene Kritsky, Bill Lovell, Bill McKnight, and Wayne Mueller. Gary Dolph joined the meeting after discussion of the first item on the agenda.

## **Approval of the Agenda**

The agenda was approved.

## **Editor's Request**

The Committee discussed events which led to Gary Dolph submitting his resignation as Editor of the *Proceedings*. The printer, Kron-Bolden, was the low bidder for Volume 103. Their handling of the work, which included lost art work, lost photography, the introduction of mistakes into the galleys after proofing by the Editor, and their unprofessional personal communications with the Editor were viewed as substandard. A motion was made and seconded to ask Gary to withdraw his resignation and to express the wholehearted support of the Executive Committee for his work. The motion carried. When informed of the motion, Gary agreed to withdraw his resignation and to continue work on the *Proceedings*.

A motion was made and seconded authorizing Bill McKnight to obtain legal counsel concerning Kron-Bolden and Volume 103(1-2). He will keep the Executive Committee informed as to the developments through Gene Kritsky. The motion carried.

## **Discussion of the Spring Meeting for 1996**

So as not to conflict with the Sherman Minton Symposium, the site of the Spring Meeting will be moved to a State Park which is close to Indianapolis, perhaps Eagle Creek. The move will permit members to participate in both events. Gene will start negotiations for an alternative site.

## **Report of the Special Committee Studying Page Charges and Dues Structure**

A motion was made and seconded to accept the report of the Special Committee on dues and page charges. The motion carried. Because this action requires a bylaw change, the motion must go to the Council 15 days before the 2 November meeting. Bill Lovell will send the information to the Council Members (see Addendum). The report calls for increases in dues as follows: Sustaining memberships increase to \$50; Regular, to \$30; Associate, to \$20; and Student, to \$10. Emeritus members would be charged the same rate as stu-

dents. Page charges of \$10 per page would be assessed to members of the Academy; nonmembers would pay approximately \$70 per page (i.e., the full costs of printing).

### Announcements

Bill Lovell is preparing the award certificates for the Fall Meeting.

Bill McKnight has received a request for the Academy to begin work on another Academy member's book.

### Adjournment

The meeting was adjourned at 8:00 P.M.

Respectively submitted,  
Susan M. Johnson, Secretary

## ADDENDUM

### DUES CHANGES AND PAGE CHARGES

To: IAS Council

From: Bill Lovell, Executive Director

Re: Dues changes and page charges

Date: 6 October 1995

In accordance with the recommendations of the *ad hoc* Committee and subsequent endorsement by the Executive Committee, the Council will be asked to act upon the following recommendations at its regular Fall Meeting:

#### A. Dues Changes

1. Sustaining Member	\$40 to \$50
2. Member	\$25 to \$30
3. Associate Member	\$14 to \$20
4. Student Member	\$7 to \$10
5. Emeritus Member	\$0 to \$10

#### B. Page Charges

1. Members will be assessed a page charge of \$10 per page.
2. Nonmembers will pay the actual cost per page.

These changes are expected to increase Academy income by about \$9,000.00 per year.

# INDIANA ACADEMY OF SCIENCE EXECUTIVE COMMITTEE MINUTES NOVEMBER 2, 1995

## **Call to Order** (Kritsky)

President Gene Kritsky called the meeting to order at 1:11 P.M. in the Mechanical Engineering Conference Room at IUPUI. The following members were present: Charlotte Boener, Gary Dolph, Ed Frazier, Jim Gammon, Frank Guthrie, Walter Hasenmueller, Susan Johnson, Duvall Jones, Gene Kritsky, Bill Lovell, Bill McKnight, Wayne Mueller, Holly Oster, Nelson Shaffer, and Terry West.

## **Approval of the Agenda**

The agenda was approved.

## **Approval of the Minutes**

Motions were made, seconded, and carried to approve the Minutes for the meetings of 10 December 1994, 28 April 1995, and 5 October 1995.

## **President's Report** (Kritsky)

President Gene Kritsky recommended that the Spring Meeting not be held at a State Park and that the meeting be coordinated with the Minton Symposium. The Minton Symposium is scheduled for 12-13 April 1996 at the IUPUI Conference Center. Instead of scheduling field trips for Saturday, members would attend the Saturday symposium events. The Minton celebration has field trips planned for Sunday. The President was also holding reservations at both Eagle Creek and Turkey Run State Parks.

Jim Haddock was introduced as the President-Elect.

Difficulties in mailing the *Newsletter* and the enclosed ballots resulted in some members not receiving the appropriate materials until after the deadline for voting had passed. These problems will be addressed in the future, and a recommendation was made to move the mailing date for the Fall *Newsletter* up one month.

Gene was congratulated on his successful Presidency.

## **Treasurer's Report** (Frazier)

Ed Frazier presented the Indiana Academy of Science Account Summary for the Third Quarter of 1995. The balance on hand as of 30 September was \$61,825.52, the year-to-date revenues were \$92,630.98, and the year-to-date expenses were \$65,728.69. An itemized Budget Revenue Report was also presented. Ed reported that the Academy was in good financial condition. In response to a question, the Treasurer estimated that revenue from the Fall

Meeting would be about \$14,000 with expenses totaling about \$18,000. The difference would be supported from the Operating Fund.

President Kritsky announced that he received a letter from AAAS awarding the Youth Activities Committee \$1,000.00 for student research.

### **Foundation Report (Guthrie)**

Frank Guthrie reported the following totals as of 30 September 1995 for the three trust accounts this Committee monitors:

	Market Value	Annual Income
Invested Income	\$231,367.00	\$14,512.00
Academy Foundation	\$96,214.00	\$4,390.00
John S. Wright Fund	\$2,442,578.00	\$84,172.00

A goal of the Foundation Trustees is to continue to diversify the John S. Wright Fund.

The Trustees recommended that the President or Executive Committee identify two to four members having investment expertise and a good understanding of the Academy's operations and potential future programming to join the Foundation Trustees on an *ad hoc* committee, whose goal would be to define the financial needs of the Academy and to decide the means by which those needs could be met. Following discussion, the Executive Committee decided to recommend to the Council that the Past-President, President, and President-Elect serve in such capacity starting next year.

### **Editor's Report (Dolph)**

Gary Dolph presented the Tables of Contents for Volume 103(3-4), Volume 104(1-2), and Volume 104(3-4). These volumes are all currently in press. Gary hopes to have enough articles for Volume 105(1-2) after the Fall Meeting.

### **Executive Director's Report (Lovell)**

Bill Lovell indicated that he has been working on improving efficiency and accuracy in his position. He presented membership tallies by category and indicated a total of 1,062 members as of 1 November 1995. He will be monitoring tallies during on-site registration at the Fall Meeting and requested a printout of registrants.

The Executive Director made the following points regarding the functioning of the Academy. The IAS needs to focus first on process and then on results. Work should be concentrated in three areas: 1) exercising a process which logically produces higher expectations; 2) improving our image; and 3) employing teamwork effectively. Performance must match the promise. We must learn from failures and strive not to repeat them.

Discussion followed of possible approaches for increasing membership. The feeling was expressed that a well-organized membership drive, perhaps with a

representative from each state institution, was needed. The President indicated that he will ask about the membership drive of the Ohio Academy, which resulted in a substantial increase in their membership.

### **Report of the Amendments Committee**

No report.

### **Librarian's Report (Oster)**

Holly Oster presented the annual report of the John S. Wright Memorial Library of the Indiana Academy of Science. Through her efforts, the Academy now has a home page on the World Wide Web. As indicated by the address, the home page is supported by the Indiana State Library. The address is <http://www.statelib.lib.in.us/WWW/IAS/IAS.HTML>. The President expressed the Academy's appreciation to Ms. Oster.

### **Report of the Nominations Committee (Boener)**

Charlotte Boener reported that 277 ballots were returned on time. The newly elected officers include:

President-Elect	Jim Haddock
Foundation Trustee	Stan Burden
Research Grants	Stephen Perrill

### **Report of the Publications Committee (McKnight)**

Bill McKnight introduced a motion from the Committee to reduce our stock of back issues of the *Proceedings* by distributing sets free of charge at the HASTI meeting and by advertising their availability in the *Newsletter*. Those requesting copies would pay postage. The motion carried.

Bill is consulting with an attorney with regard to the problem with Kron-Bolden.

Jim Berry, Editor of the *Newsletter*, requests that newsworthy information be forwarded to him.

The Executive Committee voted to offer IU Press an additional \$10,000 to support the publication of *Indiana's Natural Perspectives*. The new text is a revised version of *Natural Features of Indiana*, a book that the Academy originally published. The Academy would be able to buy the book at half-price. The motion carried.

Sales may be a bit lower than expected.

Bill displayed a draft of *Asters, Goldenrods, and Sunflowers of the Upper Midwest*. The members of the Executive Committee were struck by the beauty of the contents. The cicada manuscript is in review. The poster for the State Flower Project will be printed next spring. *Amphibians and Reptiles of Indiana* is nearing completion.

**Report of the Programs and Invitations Committee (Lovell)**

Bill Lovell reported that discussions were underway with an institution to host the 1997 meeting.

**Report of the Fellows Committee**

Nils I. Johansen and Paul C. MacMillan were nominated for the rank of Fellow.

**Report of the Emeritus Members Committee**

Alan Schneider was nominated for the rank of Emeritus Member.

**Report of the Research Grants Committee (Shaffer)**

Nelson Shaffer reported that for the spring and fall competitions, the Committee received 75 proposals, requesting \$127,102.00. The Committee made 46 awards, totaling \$34,294.00. Nelson indicated that he would request an increase in funds to support future research.

**Old Business**

Two special awards will be given as approved last spring.

No new information is available on possible Library relocation.

**New Business****Report of the Select Committee on Dues Structure**

The Committee, consisting of Bill McKnight, John Castrale, Rebecca Dolan, Ed Frazier, and Bill Lovell, recommended that page charges be levied in the amount of \$10 per page for member's papers not already in process and \$75 per page for nonmembers. The Committee also recommended a dues increase as follows: Sustaining Members from \$40 to \$50; Regular Members from \$25 to \$30; Associate Members from \$15 to \$20; Student Members from \$7 to \$10; and Emeritus Members from \$0 to \$10. The recommendations were approved by the Executive Committee in October and sent in advance to Council Members for action today.

**Announcements**

The Budget Committee will meet on 9 December at 9:30 A.M. at Speedway High School.

The next Executive Committee Meeting will be right after the Budget Committee Meeting on 9 December.

**Adjournment**

The meeting was adjourned at 2:58 P.M.

Respectfully submitted,

Susan M. Johnson, Secretary

# INDIANA ACADEMY OF SCIENCE

## COUNCIL MINUTES

### NOVEMBER 2, 1995

#### **Call to Order (Kritsky)**

President Gene Kritsky called the Council to order at 3:24 P.M. in the Science and Engineering Complex at IUPUI.

#### **Approval of the Minutes**

The Minutes of the 28 April 1995 meeting were approved after editorial modification.

#### **Approval of the Agenda**

The agenda was approved as amended.

#### **President's Report (Kritsky)**

President Gene Kritsky reported that the state of the Academy was quite good. Membership was about the same as last year. The financial condition of the Academy was under continuing study, and the Foundation Committee had some recommendations for increasing funds. The Membership Committee also had some changes to suggest.

President Kritsky noted that his election to the Presidency of the NAAS will allow him to represent the Indiana Academy of Science at the national level. One of his goals is to bring about collaboration among state academies. He noted that the IAS is looked upon as a very strong organization when compared with other state academies.

The President announced that AAAS awarded the Academy a grant of \$1,000 to help fund high school student science research.

President Kritsky recommended that the IAS not hold the Spring Meeting at a State Park this year. The meeting should be coordinated with the Minton Symposium which is scheduled for 12-13 April 1996 at the IUPUI Conference Center. Instead of scheduling field trips for Saturday, the IAS will encourage its members to attend the Symposium which has field trips planned for Sunday. The President said that he was holding reservations at both Eagle Creek and Turkey Run State Parks based on the Academy's original plans. These reservations will be canceled if the Spring Meeting is held in conjunction with the Minton Symposium. A motion passed directing the President to cancel these reservations and to plan the Spring Meeting to coincide with the Minton Symposium in Indianapolis.

#### **Treasurer's Report (Frazier)**

Ed Frazier presented the Indiana Academy of Science Account Summary for the Third Quarter of 1995. The balance on hand as of 30 September 1995 was

\$61,825.52, the year-to-date revenues were \$92,630.98, and the year-to-date expenses were \$65,728.69. An itemized Budget Revenue Report was also presented. Ed reported that the Academy was in good financial shape. The Treasurer estimated that revenue from the Fall Meeting would be about \$14,000 and that expenses would total about \$18,000. The difference would be made up from the Operating Fund.

#### **Editor's Report (Dolph)**

Gary Dolph passed out the Tables of Contents for Volumes 103(3-4), 104(1-2), and 104(3-4). These volumes are all in press. Gary hopes to have enough articles for Volume 105(1-2) by the end of the Fall Meeting. No article now in Gary's possession is subject to page charges.

President Kritsky thanked the Editor for his work.

#### **Report of the Amendments Committee**

No report.

#### **Librarian's Report (Oster)**

Holly Oster presented the annual report of the John S. Wright Memorial Library of the Indiana Academy of Science. Through her efforts, the Academy now has a home page on the World Wide Web. As indicated in the web address, the Indiana State Library supports the home page. The address is <http://www.statelib.lib.in.us/www/ias/ias.html>. The President thanked Ms. Oster for her work.

#### **Report of the Nominations Committee (Boener)**

Charlotte Boener reported that the newly elected Academy officers were:

President-Elect	Jim Haddock
Foundation Trustee	Stan Burden
Research Grants	Stephen Perrill

#### **Report of the Publications Committee (McKnight)**

Bill McKnight announced plans to distribute back issues of the *Proceedings* at the HASTI convention and by advertising their availability in the *Newsletter*.

The Publications Committee recommended that the IAS offer IU Press an additional \$10,000 to support publication of *Indiana's Natural Perspectives*. This book is a revision of the *Natural Features of Indiana*, a book that the Academy originally published. Academy members will be able to buy the book at half-price. The motion carried.

Sales of approximately \$31,000 were reported. Bill passed around that a draft of *Asters, Goldenrods, and Sunflowers of the Upper Midwest*. The cicada manuscript is in review. The poster for the State Flower Project will be printed next spring. Hopefully, *Amphibians and Reptiles of Indiana* will be available for the Minton Symposium in April 1996.

**Report of the Programs and Invitations Committee**

Negotiations for a site for the 1997 meeting are underway.

**Report of the Research Grants Committee (Shaffer)**

Nelson Shaffer reported that for the spring and fall competitions, the Committee received seventy-five proposals, requesting \$127,102.00. The Committee made forty-six awards, totaling \$34,294.00. Nelson said he would seek an increase in funding at the next budget meeting because of the substantial increase in the number of proposals received and the increase in funding requested in the proposals.

Sixteen Junior Academy proposals were funded for about \$2,500.

**Report of the Science and Society Committee (Sever)**

David Sever reported that last year's Wetlands Symposium was very successful. The papers will be published in a special issue of the *Proceedings* (Volume 103(3-4)). He also gave a progress report on the Minton Symposium. The plans include a Friday evening banquet and unveiling of Minton's new book, a morning session with nationally prominent herpetologists, Saturday afternoon sessions with local experts, and at least three Sunday field trips. Symposium announcements were mailed to the members of several national herpetological societies.

**Report of the Youth Activities Committee (Rhodes)**

Virginia Rhodes summarized initiatives involving the Junior Academy and the Science Talent Search. Virginia reported that two scholarships, each worth \$1,000, were awarded to high school students participating in the Science Talent Search. The Hoosier Association of Science Teachers, Inc., funds one scholarship, and the other is funded by the Academy. Virginia wrote a grant request for student research that AAAS funded for \$1,000. She noted that the data required by AAAS were very difficult to obtain and might prohibit future applications for these funds. She also called attention to the Youth Activities Committee's newsletter, *Scientific Notations*, which encourages participation in science by high school students. Another effort to encourage students to pursue a career in science and to make them aware of Academy programs has been to provide an award of \$100 to one student at each of the State's twelve regional science fairs. IAS also provided support for three fairs that were having financial difficulties.

**Fellows Committee**

Nils I. Johansen and Paul C. MacMillan were recommended as Fellows of the Academy.

**Emeritus Committee**

Alan F. Schneider was recommended for Emeritus status in the Academy.

### **Newsletter Editor's Report (Berry)**

Jim Berry asked that newsworthy information be forwarded to him.

### **Report of the Foundation Committee (Guthrie)**

Frank Guthrie gave the following summary for the three accounts administered by this Committee. Figures were current as of 30 September 1995.

	Market Value	Annual Income
Invested Income	\$231,367.00	\$14,512.00
Academy Foundation	\$96,214.00	\$4,390.00
John S. Wright Fund	\$2,442,578.00	\$84,172.00

One goal of the Foundation Trustees is to continue to diversify the John S. Wright Fund. A motion was brought to the Council from the Executive Committee for the formation of an *ad hoc* Committee, consisting of the President, Past-President, President-Elect, and the Foundation Trustees, charged with examining ways the Foundation can increase earnings to meet the future needs of the Academy. As a result of the discussion, President Kritsky pointed out that the Council clearly felt that funding for research grants should be increased. The motion carried.

### **Report of the Resolutions Committee**

The Council approved taking two resolutions to the Business Meeting. The first resolution was a statement of thanks to IUPUI for hosting the Fall Meeting. The second resolution honored Daniel Kirkwood, a pioneer in astronomy. The History of Science and the Soil and Atmospheric Sciences Sections are planning a joint meeting in his honor.

### **Report of the Natural Resources Commission (Schmelz)**

Damian Schmelz reported on the work of the State Natural Resources Commission. The Commission ruled that the Director of the Department of Natural Resources could arrange controlled deer hunts when Department of Natural Resources properties were being ecologically damaged. The Indiana Legislature passed a bill allowing such authorization. The Governor issued an Executive Order to decrease charges for public use of Department of Natural Resources facilities.

### **Old Business**

Two special awards will be given as specified at last spring's Council Meeting. No report was available on the status of Library relocation.

**New Business****Report of the *Ad Hoc* Committee on Dues Structure**

The Committee, whose membership included Bill McKnight, John Castrale, Rebecca Dolan, Ed Frazier, and Bill Lovell, proposed page charges for publication in the *Proceedings* and an increase in dues. The Executive Committee brought the following motion to the Council: that page charges be levied in amounts of \$10 per page for members and \$75 per page for nonmembers; and that dues be raised as follows: Sustaining Members from \$40 to \$50; Regular Members from \$25 to \$30; Associate Members from \$15 to \$20; Student Members from \$7 to \$10; and Emeritus Members from \$0 to \$10. The motion carried.

**PLEASE NOTE THAT THIS PRINTING IS FORMAL NOTICE TO THE MEMBERSHIP THAT PAGE CHARGES ARE NOW IN EFFECT. ANY PAPER RECEIVED BY THE EDITOR AFTER THIS NOTE APPEARS IN PRINT (FOR DATE, SEE TITLE PAGE) WILL BE SUBJECT TO PAGE CHARGES.**

**Announcements**

The Budget Committee will meet on 9 December at 9:30 A.M. at Speedway High School.

President Kritsky thanked everyone who helped him during the year.

**Adjournment**

The meeting was adjourned at 4:37 P.M.

Respectfully submitted,  
Susan M. Johnson

# INDIANA ACADEMY OF SCIENCE EXECUTIVE COMMITTEE MINUTES DECEMBER 9, 1995

## Call to Order

President Gene Kritsky called the meeting to order at 12:48 P.M. at Speedway High School in Indianapolis. The following members were present: Jim Berry, Daryl Karns, Gary Dolph, Ed Frazier, Jim Gammon, Frank Guthrie, Jim Haddock, Susan Johnson, Gene Kritsky, Bill Lovell, Bill McKnight, Holly Oster, and Nelson Shaffer.

## Approval of the Agenda

The agenda was approved as amended.

## Approval of the Minutes

The minutes of the 2 November meeting were approved.

## Old Business

The Soil and Atmospheric Sciences Section has dissolved. Its members voted to merge with the Geology and Geography Section. Members of the Plant Taxonomy Section voted to change their Section's name to the Plant Systematics and Biodiversity Section. Both changes will require an amendment to the Bylaws. Several Sections have shown an interest in designing programs that will attract more members.

Bill Lovell reported that membership stood at 1,066 not counting those who paid their dues at the Fall Meeting.

Motions passed to renew the contracts of the Executive Director, the Editor of the *Proceedings*, and the Chair of the Publications Committee for the 1996 calendar year. The Editor of the *Proceedings* and the Chair of the Publications Committee are both entering the third year of a three-year term. A motion also passed awarding the Chair of the Publications Committee a stipend of \$4,000 plus commissions of 20% of sales by the Chair and 10% of sales through Purdue University Press.

President Kritsky thanked Bill Lovell, Gary Dolph, and Bill McKnight for their work.

## New Business

President-Elect Jim Gammon invited communication among Academy Members to address the wide range of tasks to be accomplished as the Academy moves forward in 1996.

The 1996 Spring Meeting will be held on 12-13 April at IUPUI in conjunction with the Sherman Minton Symposium. The Fall Meeting will convene at DePauw University on 7-8 November. Bob Stark, Program Chair for the Fall

Meeting, reported that the Local Arrangements Committee has met. The site for the 1997 Fall Meeting will be announced soon.

A motion passed that the President of the Academy convene an *ad hoc* Committee consisting of the Chair of the Research Grants Committee, Chair of the Publications Committee, the Editor of the *Proceedings*, the Library Representative, the Executive Director, and the Chair of the Academy Foundation to draft legislation to increase State support for publication and research.

The President-Elect will chair a membership committee. The committee will draft a new membership flyer.

Discussion was held on fund-raising strategies. An *ad hoc* committee will report on this topic at the spring meeting.

### **Announcements**

The next meeting of the Executive Committee will be on 12 April. If the need should arise to transact business before that time, a conference call will be arranged.

### **Adjournment**

The meeting adjourned at 1:32 P.M.

Submitted by

Susan M. Johnson, Secretary

# INDIANA ACADEMY OF SCIENCE EXECUTIVE COMMITTEE MINUTES APRIL 12, 1996

## Call to Order

The Executive Committee meeting was called to order at 1:00 P.M. in Room SL 306C at IUPUI. The following Academy members were present: Gary Dolph, Ed Frazier, Jim Gammon, Jim Haddock, Walter Hasenmueller, Marion Jackson, Susan Johnson, Bill Lovell, Bill McKnight, and Holly Oster.

## Approval of the Agenda

The agenda was approved as amended.

## Approval of the Minutes

The Minutes of the Executive Committee meeting on 9 December 1995 were approved.

## President's Report (Gammon)

President Jim Gammon announced these new committee chairpersons:

Nominations	Richard Conklin
Emeritus	Alice Bennett and Dick Webster
Biological Survey	Tom Simon
Preservation of Natural Areas	Chris Maron
Amendments	Uwe Hansen
Director of the Junior Academy	Open

The President received a request to increase funding for the High School Teacher Fellowship Program. Money was not budgeted for this item at December's Budget Committee Meeting.

The Academy needs to draft a request for increased State funding for publication of the *Proceedings*. Our current appropriation is \$8,811.00.

The President mentioned the need to include E-mail addresses in the *Yearbook*.

The President summarized Gene Kritsky's AAAS report.

## President-Elect's Report (Haddock)

Jim Haddock reported that he will work with Holly Oster to iron out the details for housing old Minutes and other documents that have accumulated over the last two to three decades in the State Library. The Academy Secretary had formerly held these documents.

## Executive Director's Report (Lovell)

Bill Lovell announced that he will be stepping down as Executive Director on 31 December 1996. The Academy will need to identify a replacement by the 1996 Fall Meeting. The new Executive Director will have the task of sending

out 1997 dues notices. The question of whether or not the Academy can afford to pay an Executive Director was raised once more. Bill had turned the budgeted honorarium back to the Academy. Other costs include secretarial assistance and *Yearbook* printing costs.

Bill announce that there were 810 paid memberships as of 12 April 1996. People who have not paid by 1 June will be removed from the roster.

Bill announced that the Canyon Inn at McCormick's Creek State Park has been reserved for the 1997 Spring Meeting on 18-19 April. In the future, Spring Meetings will be held at State Parks, and the program will no longer be the responsibility of the Local Arrangements Committee.

#### **Newsletter Editor's Report (Berry)**

Jim Berry requested material for the *Newsletter*.

#### **Treasurer's Report**

Ed Frazier highlighted revenues and expenses in his written report. The Academy was in good financial condition with balances on hand of:

Operating Fund	\$34,286.00
Checking Account	\$26,889.00
Money Market Certificates	\$41,007.00
Certificates of Deposit	\$8,015.00
Total Funds	\$75,912.00

Ed noted that \$33,000.00 has been allocated to support Senior Academy Research. High school student research will be supported at the level of \$3,500, representing an IAS allocation of \$2,500 and an AAAS contribution of \$1,000. There was a contribution of \$1,000 to the Past President's Fund.

#### **Foundation Report (Lovell for Guthrie)**

Bill Lovell reported that there were no major changes.

#### **Editor's Report (Dolph)**

Gary Dolph expects to finish Volume 103(3-4) soon and to have Volume 105(1-2) at the printer by the end of the year. Volume 104(3-4) is ready for mailing now. The Wetlands Symposium is about 120 to 130 pages long. The Academy will market the Symposium as a special publication.

#### **Report of the Amendments Committee**

No report.

#### **Report of the Local Arrangements Committee**

Bob Stark is in charge of local arrangements for the Fall Meeting.

#### **Report of the Publications Committee (McKnight)**

The Committee discussed the status of Volume 103(1-2) of the *Proceedings*. This issue contains many inaccuracies due to Kron-Bolden's absolute lack of

quality control. Bill McKnight and Gary Dolph will explore the costs and consequences of various options for dealing with the problems with this issue and report back to the Executive Committee. Finding storage space for past issues of the *Proceedings* at the State Library is becoming a problem. The book signing for *Amphibians and Reptiles of Indiana* had to be postponed. The text was in good order, but the maps were defective and will have to be redrawn.

#### **Report of the Programs and Invitations Committee**

The Academy anticipates that future hosts for the Fall Meeting will be St. Joseph's College in 1997 and Anderson University in 1998.

#### **Report of the Research Grants Committee (Frazier)**

Ed Frazier reported that this spring about \$15,340.00 of the \$33,000.00 allocated to the Committee was awarded to support Senior Academy research proposals.

#### **Old Business**

The Soil and Atmospheric Sciences Section has requested to be disbanded. Since the Bylaws will need to be changed, this matter will be referred to the Amendments Committee.

#### **New Business (McKnight)**

Bill McKnight reported that he was looking into the possibility of publishing a book on fish. A motion passed allowing the Publications Committee to accept the bookkeeping responsibilities for this project should it materialize.

#### **Announcements**

The next Executive Committee meeting will be on 7 November 1996 at DePauw.

Respectfully submitted,  
Susan M. Johnson, Secretary

# INDIANA ACADEMY OF SCIENCE COUNCIL MINUTES APRIL 12, 1996

## Call to Order

President Jim Gammon called the Council to order at 3:20 P.M. in Room LD 136 at IUPUI. Those present introduced themselves.

## Approval of the Agenda

The agenda was approved as amended.

## Approval of the Minutes

The minutes of the 2 November 1995 meeting were approved after minor alterations were made.

## President's Report

President Jim Gammon announced the appointment of the following committee chairpersons:

Nominations	Richard Conklin
Emeritus	Alice Bennett and Dick Webster
Biological Survey	Tom Simon
Preservation of Natural Areas	Chris Maron
Amendments	Uwe Hansen
Director of the Junior Academy	Open
Youth Activities	Open

The President mentioned the need to include E-mail addresses in the *Yearbook*. He also announced that Bill Lovell would not be standing for reappointment as Executive Director. The Academy may enter a financial arrangement to produce a new book on fish.

## Treasurer's Report (Frazier)

Ed Frazier highlighted revenues and expenses as presented in his written report. He noted that the Academy was in good financial condition with balances on hand of:

Operating Fund	\$34,286.00
Checking Account	\$26,889.00
Money Market Account	\$41,007.00
Certificates of Deposit	\$8,015.00
Total Funds	\$75,912.00

Ed noted that the beginning balance in the Operating Fund on 1 January 1996 was \$16,984.00 in contrast to a balance of about \$15,000 on 1 January 1995. Prepaid dues totaled \$10,290.00. The Academy has paid for Volume 104(1-2) of the *Proceedings*. The Academy can expect additional revenue from the sale of publications by Indiana University Press.

**Report on the Past President's Fund (Frazier)**

A contribution of \$1,000 was made to the Past President's Fund, raising the fund's balance to \$3,000. Bill Lovell said that interest on the Fund can be used for any project the Academy selects.

**Report on Special Awards**

A motion was passed approving Dr. Alton A. Lindsey, Professor Emeritus of Biological Science at Purdue University, as the recipient of the Distinguished Scholar Award. A motion was also passed approving Edward L. Frazier for the Special Service Award in recognition of his exceptional efforts on behalf of the Academy.

**Report of the Local Arrangements Committee (Lovell)**

Bill Lovell reported a total registration of 110 to 120 people for the Minton Symposium.

Duvall Jones reported the formal backing of the faculty and the Academic Cabinet of St. Joseph's College for inviting the Academy to hold its 1997 Fall Meeting there on 31 October.

Cheryl Shank, Director of Performance and Special Events at Anderson University, gave a detailed description of their facilities and the services that could be provided for an Academy Meeting. The Council viewed her report favorably. The exact dates for the 1998 Fall Meeting would have to be determined. Ms. Shank would like to schedule the meeting during the University's fall break. In 1999, 22-25 October would be convenient for Anderson University.

**Report of the Publications Committee**

Gary Dolph expects to finish Volume 103 soon. Volume 105(1-2) should be at the printer by the end of the year. Volume 104(3-4) is ready for mailing now. The reprints for Volume 104(3-4) have already been mailed to their authors. Extra copies of the Wetlands Symposium (about 120 to 130 pages in length) will be marketed separately.

Bill McKnight reported that signed copies of *Amphibians and Reptiles of Indiana* will not be available until after corrections have been made in the proof. Bill also noted that the Academy may become involved in producing a book on fish.

**Librarian's Report (Oster)**

Holly Oster reported that Volume 104(3-4) is in the mail. The Academy's home page has been visited many times. The home page will be updated after the *Yearbook* has been completed.

**Report of the Ad Hoc Library Committee**

This Committee is no longer functioning.

**Report of the Research Grants Committee (Shaffer)**

Nelson Shaffer reported that twenty-three Senior Academy proposals were approved for funding in the amount of \$15,340.00. He has been advertising the availability of Junior Academy Research Grants. He requested the President to appoint Terry West to the set of second-round reviewers for 1996.

**Report of the Nominations Committee**

No report.

**Report of the Biological Survey Committee**

Tom Simon will serve as the new Chair of this Committee. A database that would link collections throughout the State is under consideration. External funding will be sought for this project.

**Old Business**

A motion passed asking the Amendments Committee to draft an amendment to the Bylaws that would permit the dissolution of the Soil and Atmospheric Sciences Section, merging it with the Geology and Geography Section, and that would rename the Plant Taxonomy Section the Plant Systematics and Biodiversity Section.

**New Business**

A motion was introduced asking the Council to restore funding to the Summer Research Fellowship Program for high school teachers. A motion was made and seconded to close debate. This motion was defeated. The original motion was then defeated.

A suggestion was made that the Programs and Invitations Committee include members who have past experience in local arrangements.

The next Council Meeting is scheduled for 7 November 1996.

**Adjournment**

The Council adjourned at 5:00 P.M.

Respectfully submitted,  
Susan M. Johnson, Secretary

# INDIANA ACADEMY OF SCIENCE EXECUTIVE COMMITTEE MINUTES NOVEMBER 7, 1996

## Call to Order

President Jim Gammon called the Executive Committee to order at 1:00 P.M. in the Union Building at DePauw University in Greencastle. Members in attendance were: Jim Berry, Gary Dolph, Edward Frazier, James Gammon, Frank Guthrie, Jim Haddock, Susan Johnson, Duvall Jones, Gene Kritsky, Bill Lovell, and Bill McKnight.

## Approval of the Agenda

The agenda was approved.

## President's Report (Gammon)

The President reflected on his year of in-depth learning about the Academy. He expressed appreciation to the many people who helped him and gave time to the Academy. He commented on the need to explore ways of enhancing communication among Academy Members.

## Treasurer's Report (Frazier)

Ed Frazier reported that the Academy was in good financial condition with balances as of 30 September 1996 of \$25,825.00 in the Operating Fund and \$16,596.00 in Restricted Funds for a total of \$42,422.00 on deposit.

A motion passed to reimburse Ed Frazier \$90.00 to cover half the cost of upgrading the software used for Academy accounting. The amount would come from the Accounting expense line of the budget.

## Foundation Report (Guthrie)

Frank Guthrie, Chair of the Academy Foundation, reported that, as of 30 September 1996, the John S. Wright Fund had a value of about \$3.1 million. The Trustees have a long-term goal of increasing income without sacrificing growth. The most likely approach is through a mixture of 50% growth stocks and 50% fixed income stocks that should net about \$92,000 annually from all funds after fees. He reported that the value of the Academy Foundation Account was \$110,641.00 and that the value of the Invested Income Account was \$301,977.00.

## Approval of the Minutes

The Minutes of the 12 April 1996 Meeting were approved.

## Editor's Report (Dolph)

Gary Dolph, Editor of the *Proceedings*, reported that he hopes to have the Wetlands Symposium out by the end of the year. He distributed a copy of the

Table of Contents for Volume 105(1-2). He pointed out that he has been able to include a greater diversity of papers recently. He also said that the cost of reprints had gone up.

The Executive Committee discussed the status of Volume 103 which has been held up due to the actions of the printer. A motion passed to offer Kron and Associates (formerly Kron-Bolden) \$2,850.00 or half the amount they say we owe them as fulfillment of our obligations. A motion was then passed authorizing the Editor to take Volume 103(1-2) to Haywood Printing contingent on settling with Kron and Associates. A motion was made and seconded that the Academy accept the bid of IU Printing Services for Volumes 105 and 106. The bid was approximately \$10,000. This motion also carried.

#### **Executive Director's Report (Lovell)**

Bill Lovell, Executive Director, reported 935 paid memberships. He noted that the number of Emeritus Members decreased substantially this year, and he believes that the decline is related to the recent requirement that Emeritus Members pay dues. The number of Student Members was 115. This will be Bill's last Fall Meeting as Executive Director, as he has chosen not to accept another term.

#### **Past President's Report (Kritsky)**

Gene Kritsky, Past President, reported that he will be chairing meetings in Seattle this year for the National Association of Academies of Science. He reported that the Ohio Academy of Science has been involved in an extensive self-study and has produced a Vision and Commitment document. Gene suggested that the Academy might organize focus groups at the Spring Meeting to undertake a similar self-study as we look to the new century.

#### **Report of the Amendments Committee**

No report.

#### **Librarian's Report (McKnight for Oster)**

Bill McKnight reported that construction at the Library will not affect Academy business. Efforts are being made to distribute the extra copies of the *Proceedings* to interested parties. The Web page is being maintained. E-mail addresses need to be included on the Web page and in the Directory.

#### **Report of the Nominations Committee**

The results of the election were as follows:

President-Elect	Rebecca Dolan
Treasurer	Edward Frazier
Research Grants	George Mourad
Bonding	Edwin Squires

#### **Report of the Publications Committee**

No report.

**Report of the Programs and Invitations Committee**

Duvall Jones said that in 1997, St. Joseph's College will host the Fall Meeting on 30-31 October. He noted that it will be necessary to inform members that St. Joseph's is on a different time than much of Indiana. An offer has been received from Anderson University to host the 1998 Fall Meeting. The Spring Meeting is scheduled for McCormick's Creek State Park on 18-19 April 1997.

**Report of the Fellows Committee (Schmelz)**

Damian Schmelz, Chair, sent the President the following nominations: Kemuel Badger, Clare Chatot, Walter Hasenmueller, and Kenneth Uhlhorn. A motion passed to accept these nominations.

The Executive Committee also discussed the stated criteria for becoming a Fellow. The Committee decided that when evidence of outstanding service to the Academy existed, flexibility in applying the criteria was reasonable.

**Report of the Emeritus Committee**

No report.

**Report of the Newsletter Editor (Berry)**

Jim Berry, Editor, announced that the next issue will be dated December 1996. He asked for news items to be sent to him.

**Report of the Speaker of the Year Selection Committee**

George Bodner, Professor of Chemistry at Purdue University, is the Speaker of the Year.

**Old Business**

Ed Frazier will be the recipient of the Academy's Special Service Award, and Alton Lindsey will receive the Distinguished Scholar Award.

The *ad hoc* Library Committee is inactive.

**New Business**

Three candidates for the position of Executive Director have come forward: Nils Johansen, Duvall Jones, and Nelson Shaffer. The Executive Committee will interview each of these candidate's later today and make a selection during the Fall Meeting.

The Budget Committee will meet Saturday, 7 December, in Gallahue Hall 203 at Butler University at 9:30 A.M. An Executive Committee Meeting will follow.

**Adjournment**

The Executive Committee adjourned at 3:10 P.M.

Respectfully submitted,  
Susan M. Johnson, Secretary

**INDIANA ACADEMY OF SCIENCE  
MINUTES OF A SPECIAL SESSION OF  
THE EXECUTIVE COMMITTEE  
NOVEMBER 7, 1996**

**Call to Order (Gammon)**

President Jim Gammon called the Executive Committee into special session at 5:00 P.M. in the Biology Department Conference Room at DePauw University. The members present were Gary Dolph, Ed Frazier, Jim Gammon, Jim Haddock, Susan Johnson, Gene Kritsky, and Bill Lovell.

**Approval of the Agenda**

The purpose of this meeting was to select a new Executive Director.

**Interviews**

The Executive Committee conducted interviews with each of the three candidates: Nils Johansen, Duvall Jones, and Nelson Shaffer. During the interviews, the Committee Members discussed with the candidates the duties of the Executive Director as outlined in the *Operations' Handbook*. After the three interviews, a motion passed to invite Nelson Shaffer to be Executive Director for the next three years.

**Adjournment**

This special session adjourned at 6:00 P.M.

Respectfully submitted,

Susan M. Johnson, Secretary

## INDIANA ACADEMY OF SCIENCE 1995 YEAR-END FINANCIAL REPORT

OPERATING FUND	Beginning Balance 1/1/95	Revenues	Expenses	Ending Balance 31/12/95
Fund Balance	13,950.67			16,984.95
Prepaid Dues	2,365.00			10,290.00
Dues		22,733.00		
Interest		979.50		
Contributions		2,520.00		
Spring Meeting		873.00	987.65	
Annual Meeting		8,907.00	11,751.38	
Officer's Expenses			5,051.04	
Operating Expenses			1,220.10	
Financial Expenses			1,028.85	
Newsletter Expenses			4,000.00	
Library Operations			0.00	
Committee Expenses			164.30	
Speaker of the Year			700.00	
AAAS Representative			650.00	
Biological Survey			200.00	
Youth Activities			7,224.90	
Operating Fund Total	16,315.67	36,012.50	32,978.22	27,274.95
<b>RESTRICTED FUNDS</b>				
<i>Proceedings</i>	4,374.22	5,081.00	4,000.00	5,455.22
Publications	(8,593.45)	36,055.20	17,708.20	9,753.55
Research Grants*	2,241.46	39,370.13	39,343.00	2,268.59
IAS Talent Search	5,196.27	1,858.00	1,747.96	5,306.31
Lilly Library	6,578.44	0.00	0.00	6,578.44
Welch Fund	7,310.62	334.29	0.00	7,644.91
Life Members Fund	0.00	515.00	0.00	515.00
Past-President's Fund	1,500.00	560.00	0.00	2,060.00
Total Restricted Funds	18,607.56	83,773.62	62,799.16	39,582.02
<b>TOTAL FUNDS</b>	34,923.23	119,786.12	95,777.38	66,856.97

\* Provided 46 Senior Academy Grants, 20 High School Grants, and one High School Teacher Fellowship.

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FUNDS ON DEPOSIT

Checking Account	1,199.62	107,060.53	88,781.36	19,478.79
Money Market Savings	26,376.99	43,320.28	30,000.00	39,697.27
CDs	<u>7,346.62</u>	<u>334.29</u>	<u>0.00</u>	<u>7,680.91</u>
Total Funds Deposited	34,923.23	150,715.10	118,781.36	66,856.97

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FOUNDATION ACCOUNTS	Carrying Value 1/1/95	Carrying Value 12/31/95
John S. Wright Fund	780,276.79	869,103.69
Invested Income Fund	180,915.00	232,705.38
IAS Foundation Fund	<u>76,465.68</u>	<u>78,062.89</u>
Total Foundation Funds	1,037,657.68	1,179,871.96

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Audited 16 March 1996

Edward L. Frazier, Treasurer