NEW EDITOR OF THE JOURNAL OF THE TENNESSEE ACADEMY OF SCIENCE

Gus Tomlinson, new editor of the Journal of the Tennessee Academy of Science, was born April 30, 1933 in a rural area near Bon Aqua, Tennessee. He received his elementary education in rural schools near Bon Aqua and graduated from Dickson High School in 1952. As a junior in high school he was entered in the State Mathematics contest and, as he puts it, was lucky enough to win first place. After graduation he was drafted into the Army for two years and was stationed at Ft. Jackson, S.C., Camp Atterbury, Indiana and Ft. Carson, Colorado. In 1955 he began his graduate training at George Peabody College for Teachers where he earned the B.S. degree in mathematics and biology in 1958. In 1960 and 1961 he was awarded two NIH pre-doctoral fellowships at Vanderbilt University and received his Ph.D. degree in 1962 with a major in molecular biology and a minor in biochemistry.

Dr. Tomlinson started his teaching career in the summer of 1959 at George Peabody College and became a full-time faculty member in the fall of 1962. He spent 1963-64 at the Eidgenössische Technische Hochschule in Zurich, Switzerland under the auspices of NIH to study electron microscopy and collaborate on cancer research. After returning to George Peabody College in 1965 he received a NIH grant to set up an electron microscopy laboratory to continue his pursuit of cancer research. In 1966 he became Chairman of the Department of Biology and is presently Chairman of the Division of Science and Mathematics. His teaching responsibilities are primarily in the areas of genetics and physiology. He has served as the Director of two NSF Summer Institutes at George Peabody College for three years and has lectured on regional educational television to secondary schools.

He has contributed to several scientific journals of international distribution and is listed in Leaders in American Science and the Dictionary of International Biographies. He is a member of the Electron Microscopy Society of America, Southeastern Electron Microscopy Society, American Physiology Society, National Science Teachers Association, Sigma Xi, and Tri Beta.

He is married to the former Aileen Bowman and they have two children, Jeffrey, age 12, and Jennifer, age 4. He is an avid spectator and participant in many sports.

EXECUTIVE COMMITTEE MEETINGS
January Meeting, 1969

The Executive Committee Meeting of the Tennessee Academy of Science was called to order by President Gustave Lundberg at 7:15 p.m. CST in Room 313A of the University Center Building, Austin Peay State University, Clarksville, on January 31, 1969. Members present were Gustave H. Lundberg, President; Roger Rusk, Past-President; James L. Wilson, President-Elect.
NEW EDITOR OF THE JOURNAL OF THE TENNESSEE ACADEMY OF SCIENCE

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JOURNAI OF THE TENNESSEE ACADEMY OF SCIENCE
Volume 45, Number 2, April, 1970

PROCEDINGS OF THE TENNESSEE ACADEMY OF SCIENCE FOR 1969

JAMES D. CAPONETTI, SECRETARY
THE UNIVERSITY OF TENNESSEE, KNOXVILLE

EXECUTIVE COMMITTEE MEETINGS
January Meeting, 1969

The Executive Committee Meeting of the Tennessee Academy of Science was called to order by President Gustave Lundberg at 7:15 p.m. CST in Room 313A of the University Center Building, Peay State University, Clarksdale, on January 31, 1969. Members present were Gustave H. Lundberg, President; Roger Rusk, Past-President; James L. Wilson, President-Elect; James D. Caponetti, Secretary; Robert L. Wilson, Treasurer; Donald J. Garrett, Editor; Richard J. Ralston, Director of the Collegiate Division; John H. Bailey, Director of the Junior Academy; Paul Wishart, Director of the Science Program; William F. Nelson, Director of the Reelfoot Lake Biological Station; Albert L. Myers, Robert L. Amy, and Robert F. Sears.

The Secretary passed out printed copies of the Minutes of the November, 1966, Executive Committee Meeting and the Annual Business Meeting. They were read and approved without correction. Since the Annual Meeting, two new members have joined the Academy making the total membership $25 at this time.

The Past President presented his report he recently sent to Commissioner Warf.

"My J. H. Warf, Commissioner of Education and Superintendent of Schools, has requested that the Tennessee Academy of Science compose a report on the science teachers in the state. It is planned to publish this report as a yearbook. A copy of the report is now in the Secretary's office for you to look at before the January meeting. A copy of the report will be sent to the Tennessee Regents to the American Association for the Advancement of Science, and a copy will be sent to the State Board of Education.

"During the past 25 years the Academy, with the help of the Science Foundation and the selfless work of a number of our members, built up a program of science instruction for the science teachers of Tennessee. This program received widespread acceptance by the science teachers in our schools and the hearty support of various people in supervising capacities in the Department of Education. This program was recognized by other state academies of science as one of the best in the nation.

"As sources of federal funding dried up in recent years, we thought that a service to the people of Tennessee could easily be funded through the resources of the Academy and therefore sought financial help through our office and the State legislature. It became the subject of my latest report to the Executive Committee on November 29, 1969. The action taken in your office was to set up a general education bill provided $600 annually for use in the programs of the Academy, including the Reelfoot Lake Biological Station. This item is in many of our meetings, and we have been regularly receiving such requests. However, our treasurer, Dr. Robert L. Wilson, reports that we have received only $300 of this item during the current fiscal year 1969-70. A copy of a note from you to Dr. Wilson dated June 30, 1969, refers to a $300 increase in the place of the money we had to stop until 1969 to receive the money we sent on until 1969 to receive the item. We have been informed that the amount has been increased for the second year on our request.

"Our educational services for the academic year 1968- 69 have been accepted by this time of the year, our Visiting Scientist Program is full in pull over, but we have the ability to even same time. This year, the program of our collegiate division at our annual meeting in November, the Junior Academy of Science program, which was one of the best in the country for many years is largely still ahead of us, but the prospect for full participation on the part of students and teachers is not bright. These programs were to be financed by grants of the University of Memphis to the Tennessee Academy. They should also result in a savings of some $200 per year as compared to the present program. For the year ending June 30, 1968, money is now being processed.

"In addition, the following items are now in process for number of 1968, 1969 are as follows:

1. Agricultural Biology
2. Botany
3. Chemistry
4. Geology
5. Mathematics
6. Zoology

Gustave H. Lundberg, President

The importance of having a backlog of papers such as this can hardly be overstated. It allows time for thorough review, selection, and rewriting not otherwise possible.
Academics listed in 1966 asking whether they had col-
lected information that would support the budget request. He
received 35 replies of which 24 were positive, including 10
letters from the University of Texas at Austin, 8 from the
University of Kansas, 5 from the University of Pennsylvania,
and 1 each from the University of California and the Uni-
versity of Minnesota.
After consultation with the Treasurer, it was decided to
seconded, and passed to appropriate up to $300.00 from
the Operating Account to the Director of the College
for the three Division meetings this spring.
The following are summaries of the reports of Dr.
Richard J. Rardin who, as our AAAS representative, attended
both the Academy Conference Meeting and the AAAS
Council Meeting held in conjunction with the Academy
meetings in Dallas, Texas, December 23-31, 1968.

<table>
<thead>
<tr>
<th>Source of income</th>
<th># of Academicians</th>
<th># of funds</th>
<th># of funds with less than $50.00</th>
<th># of funds with greater than $50.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. receive government aid</td>
<td>11</td>
<td>3</td>
<td>9</td>
<td>2</td>
</tr>
<tr>
<td>2. receive state funds</td>
<td>13</td>
<td>9</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>3. more than 50% of their funds from</td>
<td>8</td>
<td>4</td>
<td>4</td>
<td>0</td>
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<tr>
<td>4. have endowment income</td>
<td>18</td>
<td>12</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

Visiting Scientific Personnel of NSF council

- 8
- 4
- 4

Yield balance:

- 1967
- 14
- black
- 18
- continued with other funds

The Academy held its 26th Annual Meeting in Dallas, Texas, December 27, 1968. The conference comprised representatives from state and city Academy of Sciences, and was held from December 27 through January 7, 1969. The morning session covered various topics, including the financing of science education. From a national perspective, the meeting was aimed at spurring interest in science for the five years. The Director's report was approved.

The Director of the Junior Academy reiterated what he had said during the annual meeting, i.e., about $5,000.00 is needed to carry out the Junior Academy program for 1968-69. He was happy to announce that a few days ago he received a letter from the NSF stating that $5,000.00 is awarded to the Academy for support of the Junior Academy Program. It was decided that the Junior Academy program would be in good shape. The Director's report was approved.

The Director of the Collaborative Division had no formal report but announced that the $300.00 left over in the collaborative bank account would be enough to carry the program for this spring. If he could have $300.00 more, it would allow $200.00 for each of the three meetings in the spring.

The Director of the Visiting Scientists Program had nothing new to report, and to say that visits will remain at the same level when money becomes available. He also reported that a few scientists in the state have made visits and paid the expenses.

The Director of Science Talent Search was absent from meeting.

The Treasurer reported that the Academy's operating account had a balance of $2,429.70 available January 1, 1969. Total expenses were $2,192.55, making the total cash available $10,542.65. Total disbursements were $5,156.96, and the Treasurer expects a balance of $5,392.69 available January 1, 1969. The balance for the Reef Lake Biological Station account is $1,586.83 and that of the Visiting Scientists Program is $819.79. Complete figures are published elsewhere in this Journal under the Treasurer's Report.

The Treasurer's books have been audited.

"January 16, 1969, Report of the Auditor. To the President and Members of the Tennessee Academy of Science: I have examined the Treasurer's Report of cash receipts and disbursements, operation account, and Reef Lake Biological Station, Tennessee Academy of Science, as of December 31, 1968, to December 31, 1968. In my opinion, the above reports are true and fair presentation of the financial affairs described therein.

Proceedings of the Tennessee Academy of Science
The Executive Committee meeting of the Tennessee Academy of Science was called to order by President Gustave Lundberg at 8:15 A.M. C.S.T. in Room 1 of the Science Building on November 21, 1969. Members present were: Gustave E. Lundberg, President; James L. Wilson, President-Elect; James D. Capronetti, Secretary; J. Wilson, Treasurer; Wylie N. Wilson, Director of the Reelfoot Biological Station; Richard A. Bailey, Director of the Junior Academy Division; A. Paul Warmthick, Director of the Visiting Scientists Program; Robert F. Sears, Albert L. Myers, and Robert L. Amy, Members at Large.

The President opened the meeting by stating that the Executive Committee has the following agenda:

1. To consider the minutes of the September 12th meeting.
2. To review the financial statement for the month of October.
3. To discuss the plans for the January 14th meeting.

The meeting was adjourned at 11:35 p.m. CST.

November Meeting, 1969

The Executive Committee meeting of the Tennessee Academy of Science was called to order by President Gustave Lundberg at 8:15 A.M. C.S.T. in Room 1 of the Science Building on November 21, 1969. Members present were: Gustave E. Lundberg, President; James L. Wilson, President-Elect; James D. Capronetti, Secretary; J. Wilson, Treasurer; Wylie N. Wilson, Director of the Reelfoot Biological Station; Richard A. Bailey, Director of the Junior Academy Division; A. Paul Warmthick, Director of the Visiting Scientists Program; Robert F. Sears, Albert L. Myers, and Robert L. Amy, Members at Large.

The President opened the meeting by stating that the Executive Committee has the following agenda:

1. To consider the minutes of the September 12th meeting.
2. To review the financial statement for the month of October.
3. To discuss the plans for the January 14th meeting.

The meeting was adjourned at 11:35 p.m. CST.
The Academy was not recognized by the Internal Revenue Service as an organization providing tax-exempt status.

Fiscal money is no longer available in large sums for the Academy. The Academy was able to function, with some difficulty, during the current academic year, 1946-47. It had some success in the past but was not entirely successful in obtaining funds. It has been a problem of the Academy to obtain financial support from various sources.

The Academy has been in constant need of financial assistance during the years. The financial situation has been critical at various times. The Academy has been able to obtain some financial assistance from various sources, including the government and private organizations. However, the financial situation has been a constant problem for the Academy.

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The seventy-ninth meeting of the Tennessee Academy of Science was held November 23, 1969, at The University of the South, Sewanee, Tennessee. Dr. H. L. Land, Professor of Biology at the University of the South was Chairman of the Local Arrangements Committee, and Dr. James L. Wilson, The University of the South, was Program Chairman.

A total of 319 persons registered for the meeting. Of these, 182 were university-college professors, 89 were school administrators, 9 were high school teachers, 2 were high school students, 8 were from the ORNL, 3 were from private industry, 14 were from state divisions, 2 were from Tennessee State University, 2 were from the U.S.D.A. Forest Service, and 8 were visitors.

The General Session was held in the Blackburn Auditorium of the Woods Laboratory Buildings on Friday morning beginning at 10:00 A.M. C.S.T. President Gustave H. Lundberg presided and the welcome was delivered by Dr. Edward McCurdy, Vice-Chancellor of The University of the South. The theme of the session was Space—Our New Frontier. Session meetings were held Friday afternoon: 66 papers were presented.

The Annual Business Meeting was held in the Blackburn Auditorium of the Woods Laboratories Building at 5:00 P.M. C.S.T.

The Annual Dinner was held in the dining hall of the Sewanee Military Academy at 7:30 P.M. C.S.T., Friday evening. The attendance was 160. President Gustave H. Lundberg presided, and the address was delivered by Dr. E. Baylis Shanks, Professor of Mathematics, Vanderbilt University, and author of "Mathematical Contributions to Space Exploration."

The changes in the Constitution, which were mailed out with the annual letter to all members, dealt mainly with changes consequent to Incorporation and changes in the composition of the Executive Committee. A corrigendum is noted as the proposed change as stated for Article IV, Section I, which stated that one who served as officer and the work of the Tennessee Academy of Science as stated for Article IV, Section I, which should read: To revise the first sentence of Article IV, Section I, the rest of Article IV, Section I is reprinted as it appears here, is a re- placement of a portion of the sentence dealing with the sponsors of various programs of the Academy. The current wording is in the current or last printing of the Constitution (July, 1960), it is noted that the portion being changed is not in the printed Constitution. The April, 1961 issue of the Journal of the Tennessee Academy of Science is a re-printing of the minutes of the January 29, 1960 Executive Committee Meeting. It reads: "A motion was made, seconded, and passed that it be recommended to members of the Academy that he will present this information to the Executive Committee for its consideration and that the Executive Committee may recommend the action to the Board of Trustees."