that he will present this information to the Executive Committee this month. He did not think that there would be any deterrent to our planning to meet together at the meeting this fall.

"This will largely be an organizational meeting; however, it would be nice to have two or three papers, short reports, and other items deemed important. If you have a paper that you would like to present, send the title to me in order that it may be included on the program. If none are received by October 10, 1969, I will contact individuals about papers by phone.

"In order to conserve money, I am going to send information to each department and hope that your secretary, student assistant, or graduate assistant can be assigned to distribute the material.

"It is my understanding that we need to have at least 15 members in order to have a separate section in geography."

A motion was passed to approve the request provided that 15 members would form the separate geography section. The President would bring the request up at the Business Meeting for the approval of the membership.

2. A motion was passed to make the Honorable Frank J. Runyon an honorary member of the Academy for his many efforts in obtaining financial assistance for the Academy.

3. Motions were passed expressing thanks to Dr. Donald Caplenor for his excellent work as Editor of the Journal, and to Dr. Gus Lundberg for his excellent efforts as President of the Academy during 1969.

4. The Secretary read letters of invitation for the 1970 annual meeting site from Dr. C. C. Humphreys, President of Memphis State University; Dr. David Alexander, President of Southwestern at Memphis; Mrs. Lois Beach, Chairman of the Natural Science Department at Lee College; Dr. Gordon E. Hunter, Chairman of the Biology Department at Tennessee Technological University; and from Dr. John A. Patten, Head of the Biology Department at Middle Tennessee State University. After some deliberation, a motion was passed to accept the invitation of President Alexander at Southwestern at Memphis.

The meeting was adjourned at 4:20 P.M. C.S.T.

THE SEVENTY-NINTH MEETING OF THE TENNESSEE ACADEMY OF SCIENCE

NOVEMBER 21-22, 1969

THE UNIVERSITY OF THE SOUTH

The seventy-ninth meeting of the Tennessee Academy of Science was held November 21-22, 1969, at the University of the South, Sewanee, Tennessee. Dr. H. Malcolm Owen, Chairman of the Biology Department at The University of the South was Chairman of the Local Arrangements Committee, and Dr. James L. Wilson, The University of Tennessee Nashville Center, was Program Chairman.

A total of 319 persons registered for the meeting. Of these, 182 were university-college professors, 89 were university-college students, 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 the State Department of Education, 2 were from the U.S.D.A. Forest Service, and 8 were visitors.

The General Session was held in the Blackman Auditorium of the Woods Laboratories Building 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 McCrady, Vice-Chancellor of The University of the South. The theme of the session was Space—Our New Frontier. Section meetings were held Friday afternoon; 66 papers were presented. The Annual Business Meeting was held in the Blackman 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, Nashville, who spoke on "Mathematical Contributions to Space Exploration."

The Collegiate Division held its meeting on Saturday morning at 9:00 A.M. C.S.T. in the Blackman Auditorium of the Woods Laboratories Building. Dr. Richard J. Rareon chaired the meeting, and eight papers were presented.

ANNUAL BUSINESS MEETING

The annual business meeting of the Tennessee Academy of Science was called to order by President Gustave H. Lundberg at 5:10 P.M. C.S.T. in the Blackman Auditorium of the Woods Laboratories Building at The University of the South in Sewanee, Tennessee, on November 21, 1969. Sixty-three persons were present.

The Secretary reported that during 1969, there were 34 new members, one drop reported to the Secretary, and seven deaths. During the annual meeting, there were 34 new memberships. Academy memberships now stand at 917. A motion was passed to approve all 1969 applications for membership.

The reports of the Treasurer, the Editor, the Director of the Collegiate Division, the Director of the Junior Academy, the Director of the Visiting Scientist Program, the Director of the Science Talent Search Committee, the President, and the Director of the Reelfoot Lake Biological Station were similar to those presented.
The chairman of the Auditing Committee, Dr. Myron S. McCoy, presented the report that had been submitted to the Executive Committee. A motion was then made and seconded to accept the report, which was unanimously passed.

Gwendell Holladay, absent from the meeting so far, was appointed to the committee and voted in as a member. A motion to name Fellows of the Academy as nominees to be named Fellows of the Academy was made and seconded. The motion was then passed and accepted.

The chairman of the Membership Committee, Mr. Johnny O. Youngman, submitted the following report:

“The membership committee held a ‘double the membership campaign, trying to entice the entire membership of the Academy. Each member is being supplied with two membership application cards which he is being urged to give to interested non-members among his colleagues. These letters are now being sent to all members who have contributed to the success of these efforts.

The chairman wishes to express his appreciation to all members who have contributed to the success of these efforts. The contributions of the following members are hereby acknowledged: Mr. F. R. B. P. Smith, Mr. W. F. Peabody, Mrs. Helen C. Bell, Mrs. W. McD. McDermott, Mr. E. P. Peabody, Rogers, and Mr. W. C. Woodard, Johnson City.

A motion was passed to accept the report.

The chairman of the Committee on Alcoholism, Miss Sara Wood, was absent from the meeting but she had sent a report to President Ludington regarding the following:

“During the year 1969, the Research Committee received a proposal for research on the effects of alcohol consumption on the mental health of individuals. The proposal was submitted to the Clinton High School Science Club under the direction of Mr. B. M. Killick, and involved 2,500 students with which to investigate the growth and development of some form of alcohol production.

A $52 grant was awarded to Daniel Miller of Bessemer High School (Research Program) to carry out the project of teaching young people in this area to gather and serve the project. The report was later rejected by Mr. Miller. Thus, a balance of $39.75 is available. One reason for this balance is that the project has been held rather tightly to the stated purpose of the AAAS for the use of the research money. “The Committee is hopeful that all of you will make an effort to use this amount of money in the high schools of your area in order that all activities may be one at a time.”

A motion was passed to accept the report.

The chairman of the Committee on Alcoholism, Dr. Fredrick T. Wells, proposed the following nominations for the year 1969:

1. Dr. James W. Wilson, President.
2. Dr. Richard J. Parson, President-Elect.
3. Dr. David J. Caponetti, Secretary.
4. Dr. Robert E. Wilson, Treasurer.

There were no formal nominations from the floor, and a motion was passed instructing the Secretary to count the votes which would represent the unanimous election of each nominee to his respective office.

OTHER BUSINESS

1. The Chairman or Spokesman of the Ad Hoc Committee on Preservation of Materials, Amendments to the Constitution and By-Laws, and Correspondence, submitted reports for approval. The full text or statements of the reports are in the Minutes of the Executive Committee Meeting. A motion was passed to approve all these reports.

2. President Ludington reiterated the request for Dr. R. K. Wilking concerning the establishment of a separate Geography Section. The full text of the request is in the Minutes of the Executive Committee Meeting.

3. President Ludington announced that the Executive Committee had accepted the invitation of President Alexander, Southwestern at Memphis, to hold the 1970 annual meeting at that campus.

4. One of the mathematicians in the audience requested that the Executive Committee consider the date of the annual meeting of the Academy because it conflict with another Mathematics Section of the Academy very low. President Ludington announced that he would be willing to take the request under advisement.

The annual business meeting was adjourned at 6:30 P.M. C.S.T.