JOURNAL
OF THE
Tennessee Academy of Science

VOLUME LI
NUMBER 2

CONTENTS

Page

New President of the Tennessee Academy of Science .................................. 41

Proceedings of the Tennessee Academy of Science .................................... 42

Abstracts Presented at the Annual Meeting .............................................. 51

An Upper Ordovician Skeletal Sandbar Deposit in the Fernvale Limestone, Dade County, Georgia.
Hardin Satterfield and Richard E. Bergenback ........................................ 62

Notes on the Fishes of the Nickajack Reservoir, Tennessee, near the Raccoon Mountain Pumped-Storage Plant.
Tom J. Timmons ....................................................................................... 66

Forest Communities of the Radnor Lake Natural Area, Davidson County, Tennessee.
Larry Carpenter, James Turner and Joe Schibig ...................................... 68

Field Observations on a Population of the Land Planarian, Bipalium kewense (Turbellaria, Tricladida), in Middle Tennessee,
Clay M. Chandler ................................................................................... 73

Synthesis and Antibacterial Activity of Iminosulfuranes.
Jitendra J. Shah ....................................................................................... 76

TAS News, Events and Announcements ..................................................... 80

APRIL, 1976
JOURNAL
OF THE
Tennessee Academy of Science

EDITORIAL STAFF
Gus Tomlinson, Editor, George Peabody Coll., Nashville 37203
Bernard W. Benson, High School Science-Mathematics Editor, The Univ. of Tennessee at Chattanooga 37401
James Mason, Medical Sciences Editor, The Univ. of Tennessee, Memphis 38103
James D. Caponetti, Botany Editor, The Univ. of Tennessee, Knoxville 37916
Roy W. Clark, Physics-Astronomy Editor, M.T.S.U., Murfreesboro, Tennessee 37130
Robert Goodrich, Interim Engineering Editor, Vanderbilt University, Nashville, Tennessee 37203
Robert G. Litchford, Zoology Editor, The Univ. of Tennessee at Chattanooga 37403
Stuart W. Maher, Geology-Geography Editor, Tennessee Division of Geology, Knoxville 37919
Eric Morgan, Zoology Editor, Tenn. Tech. Univ., Cookeville 38501
John T. Netterville, Chemistry Editor, David Lipscomb College, Nashville 37203
John Kinloch, Mathematics Editor, East Tennessee State Univ., Johnson City 37601
Rick Ferguson, Editorial Assistant, George Peabody College, Nashville, Tenn. 37203

All articles and communications for publications, books, and publications for review, should be addressed to the Editor.

News subscriptions, changes of address and applications for membership should be addressed to the Secretary. Personal items, news of events in the scientific world, and other notes suitable for the “News of Tennessee Science” department should be addressed to the Editor.

Published quarterly, in January, April, July and October, by the Tennessee Academy of Science at Box 153, George Peabody College, Nashville, Tennessee 37203.

The JOURNAL is sent to all members not in arrears for dues. The subscription price is $8.00 a year, invariably in advance. Single copies $3.00.

Second Class Postage Paid at Nashville, Tennessee.

THE TENNESSEE ACADEMY OF SCIENCE
(Founded 1912, at Nashville, Tennessee)
Affiliated with the American Association for the Advancement of Science

Affiliated Societies
Tennessee Ornithological Society, Nashville, Tennessee
Barnard Astronomical Club, Nashville
Tennessee Science Teachers’ Association
Tennessee Psychological Association
Tennessee Junior Science and Humanities Symposium

Officers
John M. Mallette, President, University of Tennessee at Nashville, Nashville 37203
Raymond L. Tanner, President Elect, Univ. of Tennessee Medical Units, Memphis 38103
Gus Tomlinson, Editor, George Peabody Coll., Nashville 37203
James D. Caponetti, Secretary, Univ. of Tennessee, Knoxville 37916
Robert Wilson, Treasurer, Univ. of Tennessee at Chattanooga 37403
Winfred Smith, Director, Reelfoot Lake Biol. Sta., at U.T., Martin 38237

This Journal is abstracted by Biological Abstracts, Chemical Abstracts, and Nuclear Abstracts, and indexed by Science Citation Index.

NOTICE TO AUTHORS

Manuscripts submitted for publication in the JOURNAL should be sent to the Editor. Manuscripts must be approved by the Editor and the appropriate Section Editor before publication. Manuscripts should be submitted in duplicate, typewritten, double spaced with wide margins, and with legends for figures typed on a separate page. Recent issues should be consulted with regard to matters of style. Each table should be placed on a separate sheet. Footnotes should not be used except very rarely. Greek letters and symbols should be avoided as much as possible.

Each paper should be supplied with an abstract not to exceed 250 words.

Photographs (black and white glossy prints) may be accepted as illustrations; however, line drawings and diagrams are preferable. Drawings should be made in India ink on white paper or Bristol Board. An article containing more than 2 illustrations can be published only with financial cooperation of the author.

A per page charge of $10.00 will be made to industrial contributors.

A blank form for ordering reprints from the printer is enclosed with the galley proof. The cost of reprints is as follows:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price per Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>$12.00</td>
</tr>
<tr>
<td>4</td>
<td>$20.00</td>
</tr>
<tr>
<td>8</td>
<td>$38.00</td>
</tr>
<tr>
<td>12</td>
<td>$47.00</td>
</tr>
<tr>
<td>16</td>
<td>$56.00</td>
</tr>
</tbody>
</table>

The Tennessee Academy of Science is very anxious to include in its membership all teachers and professors of science, research workers in science both in educational institutions and industrial establishments, and all others who are interested in some phase of science.

The annual dues are $8.00 for members except teachers below the college level, whose dues are $5.00, student dues are $3.00 and a life membership is $100. Dues may be sent direct with your application for membership to the Secretary.