

TABLE OF CONTENTS

VOLUME XXI, 1946

NUMBER 1, JANUARY

	Page
Report of the Director of the Reelfoot Lake Biological Station. C. L. Baker	1
News of Tennessee Science. C. S. Shoup.....	3
Depth Distribution of Fish in Lower Wheeler Reservoir, Alabama. Paul Bryan and Henry H. Howell.....	4
A Preliminary Report on the Food of Ducks at Reelfoot Lake, Tennessee. Robert J. Schoffman.....	10
Cell Size in <i>Amphiuma</i> . Mabel A. Boone.....	14
Water Level Relationships of Plants in the Tennessee Valley with Particular Reference to Malaria Control. T. F. Hall, W. T. Penfound, and A. D. Hess	18
The Economic Importance of Dragonflies (Odonata). Mike Wright.....	60
Book Review: Careers in Science, by Philip Pollack. Jesse M. Shaver.....	71
Utilization of the Sauger Crop in Norris Reservoir, Tennessee. R. W. Eschmeyer and Otto F. Haslbauer.....	72
Further Use of Wood Duck Nesting Boxes on Wheeler Wildlife Refuge. Paul Bryan	76
Spring Fishing on Several TVA Storage Reservoirs, 1945. R. W. Eschmeyer, D. E. Manges, and O. F. Haslbauer.....	78
Water Temperature and Spring Fishing, Norris Reservoir, Tennessee. Jack S. Dendy.....	89
Further Studies of Depth Distribution of Fish, Norris Reservoir, Tennessee. Jack S. Dendy.....	94
Food of Several Species of Fish, Norris Reservoir, Tennessee. Jack S. Dendy	105
The Effect of X-Rays on the Ovaries and Oestrous Cycle of the Golden Hamster (<i>Cricetus auratus</i> Waterhouse). Kathleen Saxon.....	128
A Description of the Nymph of <i>Sympetrum ambiguum</i> (Rambur), with Habitat Notes. Mike Wright.....	135

NUMBER 2, APRIL

Dr. Hanor A. Webb, Thirty-Fifth President of the Tennessee Academy of Science	141
News of Tennessee Science. C. S. Shoup.....	142
The Walking Spleenwort, the Walkingfern, the Narrowleaf Spleenwort, and the Silvery Spleenwort. Jesse M. Shaver.....	143
Indium—A Newcomer in the Field of Commercial Metals. M. F. Stubbs..	178
Taxonomic Notes on the Nymphs of the Dragonfly Genus <i>Dromogomphus</i> Selys. Mike Wright.....	183
Dr. George R. Gage, 1890-1945.....	187
How Tennessee Science Teachers May Discover and Develop Science Talent. Jacob W. Shapiro.....	189
Dr. A. H. Purdue, Seventh President of the Tennessee Academy of Science, 1917. L. C. Glenn.....	191
Notes on the Nymphs of the Dragonfly Genus <i>Tarnetrum</i> . Mike Wright.	198
Reverse Faulting in the Paleozoic Strata near Camden, Tennessee. R. M. Ross	201
An Attempt to Teach More Effectively the Mathematics of General Chemistry. J. B. Bond.....	205

Twenty-Four Hour Periodicities in the Animal Kingdom. Part II. The Vertebrates. John B. Calhoun.....	208
NUMBER 3, JULY	
Dr. A. H. Purdue, Seventh President, Tennessee Academy of Science...	217
Some Hematologic Standards of Women College Students. Thelma Howell, Ann Poitevint, Frances Thurman.....	218
News of Tennessee Science. C. S. Shoup.....	222
Proceedings of the Seventh Annual Meeting of the Association of Southeastern Biologists. S. L. Meyer.....	224
The Teaching of Biology. A Summary of a Symposium held by the Association of Southeastern Biologists:	
Laboratory Methods in the Teaching of Biology. R. C. Rhodes.....	228
Human Biology as an Approach to Biological Principals. J. W. Nuttycombe	233
Laboratory Discussion as a Method of Teaching General Botany. W. H. Duncan.....	234
The Use of Visual Aids in the Teaching of Biology. T. H. Stubbs..	237
The Mosquitoes of Tennessee. Arthur Shlaifer and Delma E. Harding..	241
Tennessee, the Academy and Science. Sam L. Clark.....	257
The Industrial Research Institute of the University of Chattanooga. R. B. Seymour	262
Some Ferns of Claiborne County, Tennessee. T. A. Frick.....	266
Dragonflies Collected in Central Tennessee during 1945. M. Wright.....	268
Twenty-Four Hour Periodicities in the Animal Kingdom. Part II. The Vertebrates. (<i>Concluded.</i>) J. B. Calhoun.....	281
Some Problems with Reference to <i>Chelone glabra</i> var. <i>elatior</i> . T. A. Frick.	283
Report of the Treasurer of the Tennessee Academy of Science for 1944. K. E. Born	285
Integration in Premedical and Prenursing Classes. I. M. Gish.....	286
Past Officers of the Tennessee Academy of Science. K. E. Born.....	288
Report of the Editor of the Journal of the Tennessee Academy of Science. Jesse M. Shaver	289
Aviation Education in Tennessee. C. H. Gilmore.....	290
NUMBER 4, OCTOBER	
In Memory of my Friend, Doctor John Thomas McGill. Jesse M. Shaver.	291
The Impact of Science on the Modern World. Raymond B. Seymour....	295
The Southern Lady Fern, the New York Fern, and the Marshfern. Jesse M. Shaver	297
A Program of Vocational-Chemical Education in Tennessee. A. M. Holladay	315
News of Tennessee Science. C. S. Shoup.....	329
Anti-Reflection Film for Optics. W. Tom White, Jr.....	330
A Description of the Nymph of <i>Agrion dimidiatum</i> . Mike Wright.....	336
The Comprehensive or "Survey" Course in Biology at the University of Florida. J. S. Rogers.....	339
The Spectrograph in the Research Laboratory. J. H. Coulliette.....	343
The War Against Malaria. Samuel L. Meyer.....	346
Proceedings of the Tennessee Academy of Science for 1945. K. E. Born.	351
Kendall Eugene Born, Secretary-Treasurer. Jesse M. Shaver.....	360
Index to Volume XXI, 1946.....	361