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REPORT OF THE DIRECTOR OF REELFOOT LAKE BIOLOGICAL STATION

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The twenty-second session of the biological station was a continuation of the program of the Tennessee Academy of Science which furnishes an opportunity for research in many fields of biology both pure and applied. Although the facilities for investigation are excellent and the opportunities for young biologists to pursue their researches are many, the station has not been used to capacity for several years. This may be due to a combination of many factors such as: the cold war resulting in young men being concerned with other fields of endeavor, the increase in the cost of living and the lack of adequate living quarters at the station for families, and the more attractive remuneration that can be received elsewhere.

Robert J. Schoffman of the Spalding Institute, Peoria, Illinois, was in residence during most of the session and continued his studies on the growth rate of the game fishes of the lake with special emphasis on the large-mouth bass. His studies indicate that the game fishes are being caught during a rapidly growing period and that the crop of fish is being harvested to a limited extent. An increased fishing pressure would be beneficial.

Dr. W. E. Snow and associates of the Biological Section of Malarial Control of the Tennessee Valley Authority, have used the station on numerous occasions for their researches on the flight habits of certain species of mosquitoes.

Many college and high school students visited the station frequently and this indicates that our small museum is serving a very useful purpose. Privacy at the station is attained because the bridge on the only road leading to the Station is not yet repaired. This also results, however, in inefficiency in the use of the station.

FINANCIAL STATEMENT OF THE REELFOOT LAKE BIOLOGICAL STATION FOR THE BIENNIUM, JANUARY 1, 1951-JANUARY 1, 1953

C. L. BAKER, *Director*

BALANCE ON HAND JANUARY 1, 1951	\$1,569.37
EXPENDITURES TO JULY 1, 1951:	
Caretaker	\$ 30.00

Printing of the Report for 1951	998.06
Engravings for the Report for 1951	100.06
Scholarships and Salary	429.00
Total	<u>\$1,568.61</u>
BALANCE ON HAND JULY 1, 1951	\$.76 ¹
APPROPRIATION BY THE STATE OF TENNESSEE, JULY 1, 1951	\$3,000.00
EXPENDITURES TO JANUARY 1, 1952:	
Scholarships and Salary	\$750.00
Operating Expenses	162.49
Automobile Expense	111.78
Total	<u>\$1,024.27</u>
BALANCE ON HAND JANUARY 1, 1952	\$1,975.73
EXPENDITURES TO JULY 1, 1952:	
Printing of the Report for 1952	\$942.89
Engravings for the Report for 1952	86.04
Operating Expense	121.90
Equipment	171.32
Scholarships and Salary	650.00
Total	<u>\$1,972.15</u>
BALANCE ON HAND JULY 1, 1952	\$ 3.58 ¹
APPROPRIATION BY THE STATE OF TENNESSEE, JULY 1, 1952	\$3,000.00
EXPENDITURES TO JANUARY 1, 1953:	
Salary	\$500.00
Caretaker	30.00
Operating Expense	193.25
Total	<u>\$ 723.25</u>
BALANCE ON HAND JANUARY 1, 1953	\$2,276.75

NEWS OF TENNESSEE SCIENCE

Two hundred Tennessee scientists attended the symposium on THE ROLE OF ATOMIC ENERGY IN AGRICULTURAL RESEARCH at Oak Ridge last summer. The largest institutional representation was that of the University of Tennessee with 36 in attendance. Dr. C. S. Shoup, formerly News Editor of the JOURNAL, presided at one of the sessions.

Science Service of Washington, D. C., is now publishing its Science News Letter in INTERLINGUA, the new international auxiliary language. Americans are being invited to send gift subscriptions to friends in other countries.

At Fisk University: Prof. H. M. Holloway served as specialist in mathematics at the 39th annual session of the East Tennessee Teachers Association held in Chattanooga in October, 1951. Dr. Lee Lorch presented a paper at the spring (1951) meeting of the American Mathematical Society in Chicago entitled "On Derivatives of Infinite Order," and another at the Christmas (1951) meeting entitled "Asymptotic Expressions for Some Integrals Which Include Certain Lebesgue and Fejer Constants."

At the University of Tennessee in Knoxville: Two new instructors have been added to the staff of the Department of Botany. They are: Thomas H.

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¹Balance reverts to State.