

in the Southern Appalachian mountains. He held that the Roan baids were of natural origin and that the recent invasion of the coniferous forest into the grassy areas was possibly caused by a change in climate, resulting in less xeric conditions for seedlings at critical times. To test this hypothesis Dr. Brown transplanted conifer seedlings into exposed grassy areas and noted their response over a ten-year period. At the time of his death he was preparing a report of his findings.

As a department Head, Dr. Brown was intensely interested in developing and maintaining a strong department. He stressed quality of instruction, friendly relationships with students, and harmony among the staff. He was forthright in dealing with his colleagues and admired that trait in others. As a teacher his best efforts were not always immediately appreciated: he required his students to think for themselves. He was devoted to his school, always placing the interests of the College above those of Department or of individuals. Dr. Brown was as devoted to his family and friends as he was to his college and profession.

NEWS OF TENNESSEE SCIENCE

The staff of the Biology division of the Oak Ridge National Laboratory published 67 papers during 1952, with 57 more in press. In addition 43 abstracts were published with 11 others in press. Included among these were 14 papers in which research participants or Oak Ridge graduate fellows were authors or co-authors. Titles of these papers have been noted in the Journal of the Tennessee Academy of Science.

The Central Scientific Company, Chicago, will offer two scholarships for graduate study in the academic year 1953-54: an award of \$1000 for a student working for a degree at the Master's level, and \$1500 for a student at the doctor's level. Address, Scholarship Committee, Central Scientific Company, 1700 Irving Park Road, Chicago 13, Ill.

A joint meeting of the Southeastern Section of the Geological Society of America was held at the Hermitage Hotel, Nashville, Tennessee, on April 2, 3 and 4, 1953. This meeting was under the joint sponsorship of the Department of Geology, Vanderbilt University and the Tennessee Division of Geology. This meeting featured two half days of general papers and discussion, two half days of symposia and several field trips.

Eddie Coates, Route 1, Union City, was the Tennessee state winner of the first annual National 4-H Entomology Awards Program sponsored in 1952 by the Hercules Powder Company.

Robert Daryl Elliott, an Isaac Litton High School student and son of a Nashville physician has been designated as topranking Tennessee entrant and winner of national honorable mention in the Westinghouse Science Talent Search competition. His theme was concerned with the separation of rare earths.

The Department of Bacteriology of the University of Tennessee has been awarded an \$8730, two year contract by the Office of Naval Research to find out more about the specific changes which the germ, *Bacillus tularensis*, can make. Project leader is Dr. John M. Woodward, associate professor of bacteriology.

The University of Tennessee's Chemical Engineering Department has been awarded a \$6700 grant from the National Science Foundation to support fundamental research on the transfer of materials to and from gas bubbles in a moving column. Project coordinators will be Prof. H. J. Garber and Assistant Professor F. N. Peebles.

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