

RECORD

(FROM NOVEMBER 30, 1917, TO NOVEMBER 27, 1925,
INCLUSIVE)

MEETING OF NOVEMBER 30, 1917.

This meeting was held in Furman Hall, Vanderbilt Campus, President Samuel M. Barton presiding. Dr. H. C. Tolman, Dean of the College of Arts and Science, delivered a welcome address. The program of papers was as follows:

- Annual Address of the President—The Practical Side of Pure Mathematics.
SAMUEL M. BARTON.
- The Fixation of Atmospheric Nitrogen.
A. BELCHER.
- Timber in Tennessee for Wood Alcohol.
R. S. MADDOX.
- The Greater Food Possibilities of Certain Grains. (A review of Prof. McNutt's paper on "Better Methods of Preparing Food.")
JEANNETTE M. KING.
- The Caves of Eastern Highland Rim and Cumberland Mountains.
THOMAS L. BAILEY.
- The Barite Deposit of the Sweetwater District, Tennessee.
C. H. GORDON.
- Some Considerations in Teaching a Bird Course.
JESSE M. SHAVER.
(Discussed by A. C. Webb)
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MEETING OF NOVEMBER 29, 1918.

The meeting was held in Furman Hall, President John T. McGill presiding. The program of papers was as follows:

- Memorial Sketch of Dr. A. H. Purdue.
L. C. GLENN.
- Annual Address of the President—Tobacco Smoke; Its Composition and Toxicity.
JOHN T. MCGILL.
- A Vocational Survey of the Chemical Industries of Nashville.
H. A. WEBB.
- The Effect of the Old Hickory Works Upon Cumberland River Water.
W. H. HOLLINSHEAD.
- Reelfoot Lake Water.
J. I. D. HINDS.
- On the Temperature of Reduction with Hydrogen.
J. H. RANSOM AND J. L. ST. JOHN.
- The Sulphur Industry in the United States.
GRETCHEN H. LEE.

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- The Differential Action of Lime and Magnesia Upon the Conservation of Soil Sulphur.
W. H. MCINTIRE.
- Carbocoal, a New Smokeless Fuel from High-Volatile Coals.
C. H. GORDON.
- Geology as Applied to Warfare.
WILBUR A. NELSON.
- The Contributions of Biology to Winning the War.
E. E. REINKE.
- Forestry and the War.
R. S. MADDOX.
- Uses of Meteorology in the War.
ROSCOE NUNN.
- The Geographic Basis of the European War (Lantern Views).
A. E. PARKINS.
- The Migration of the Birds of the Mississippi Valley, with Special Reference to Reelfoot Lake (Lantern Views).
W. D. HOWSER.
- The Future of the Airplane (Lantern Views).
LATIMER J. WILSON.
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MEETING OF NOVEMBER 28, 1919.

The meeting was held in the Industrial Arts Building of George Peabody College, President L. C. Glenn presiding. The program of papers was as follows:

9:30 O'CLOCK

1. Memorial Sketches of Prof. Samuel M. Bain and Dr. Brown Ayres.
C. H. GORDON.
2. Address of the President: Geography of the North Carolina-Tennessee Boundary Line.
L. C. GLENN.
3. Recent Oil and Gas Development Work in Tennessee.
WILBUR A. NELSON.
4. Luck.
F. B. DRESSLAR.
5. The Elimination of Errors in a Mental Maze.
JOSEPH PETERSON.

2:00 O'CLOCK

1. Archeology: New Discoveries in the Middle South.
W. E. MYER.
2. Notes on the Early History of the Development of the Mineral Kingdom.
A. W. EVANS.
3. The Feeding of the American Army and Some Civilian Applications.
LUCIUS P. BROWN.
4. Some Entomological Problems.
A. C. MORGAN.

TENNESSEE ACADEMY OF SCIENCE

MEETING OF NOVEMBER 25, 1920.

The meeting was held at Knoxville in the Carnegie Library of the University of Tennessee, President L. C. Glenn presiding. The program of papers was as follows:

9:30 O'CLOCK

1. The Boundary Mountains Between Tennessee and North Carolina and Their Names.
L. C. GLENN.
2. Effects of Liming and Cropping on the Soil Supply of Nitrogen.
C. A. MOOERS.
3. Lysimeter Studies and a Recent Observation Concerning the Oxidation of Sulphur.
W. H. MCINTIRE.
4. Oil and Gas Developments in Tennessee During 1919.
WILBUR A. NELSON.
5. Evidence of Recent Earth Movements in the Southern Appalachians.
C. H. GORDON.
6. The Neurological Basis of Mental Deficiency.
ROBERT S. ELLIS.

2:00 O'CLOCK

1. (a) Synchronism of Flashing in Fireflies.
(b) Spiral Movements in Organisms.
A. A. SCHAEFFER.
2. The Othoptera of Tennessee.
S. MARCOVITCH.
3. What We Know About Cancer.
HERMAN SPITZ.
4. Some Investigations of Some Cohobated Oils Resulting from the Redistillation of Aqueous Distillates.
ROLAND E. KREMERS.

8:00 O'CLOCK

Unpublished Recent Archeological Discoveries in Tennessee. (With lantern slides from recent photographs.)
W. E. MYER.

MEETING OF NOVEMBER 25, 1921

The meeting was held in the Social and Religious Building of the George Peabody College, President Roscoe Nunn presiding. The program of papers was as follows:

9:30 O'CLOCK

1. Memorial Sketch of Dr. J. I. D. Hinds.
JOHN T. MCGILL.
2. Distribution of the Population of the World.
A. E. PARKINS.
3. The Meaning of Pan-Americanism.
JOSEPH B. LOCKEY.
4. The Taxpayer vs. the Taxbearer.
O. C. AULT.

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5. (a) The Volatile Oil of Peppermint as Material for the Study of Some Problems in Heredity.
(b) On Humanizing the Teaching of Organic Chemistry.
ROLAND E. KREMERS.
6. Ortho-Benzoquinone and Its Possible Homologues.
JOHN E. FOGLESONG.

1:45 O'CLOCK

1. A Tennessee Meteor (Exhibit).
WILBUR A. NELSON.
2. Some Contributions to Scientific Bird Knowledge by the Tennessee Ornithological Society.
G. R. MAYFIELD.
3. Mental Tests Applied to Race Differences.
JOSEPH PETERSON.
4. Democracy and Race Adjustment; a Study of Racial Sociology.
R. H. LEAVELL.

8:00 O'CLOCK

1. Some Opportunities for Eccological Research in Middle Tennessee (Lantern Slides).
JESSE M. SHAVER.
2. Annual Address of the President: Tornadoes, with Special Reference to Those That Have Occurred in Tennessee (Lantern Slides).
ROSCOE NUNN.

MEETING OF DECEMBER 1, 1922.

The meeting was held in the Industrial Arts Building of George Peabody College, President Lucius S. Brown presiding. The program of papers was as follows:

9:30 O'CLOCK

1. Present Status of Navigation of the Mississippi River and Its Tributaries.
C. A. MCCOMB.
2. (a) Report of an Investigation on the Orientation of School Houses;
(b) Exhibition of Charts on Health Teaching.
F. B. DRESSLAR.
3. Winter Birds Around Nashville.
G. R. MAYFIELD.
4. The Phosphate Rock Industry of Tennessee.
RICHARD W. SMITH.
5. Taking the Guesswork Out of Baking.
H. A. WEBB.

1:45 O'CLOCK

1. Nutrition in the Health Program of the Public School.
MISS ADA M. FIELD.
2. Problems of the Brickmaker.
HARVEY HERBERT.
3. Woodworking Industries of Nashville.
L. L. KENNEMER.
4. A Study of the Phenomenon of Overvoltage.
LOUIS J. BIRCHER.

TENNESSEE ACADEMY OF SCIENCE

8:00 O'CLOCK

1. Annual Address of the President: The Good of the Order; or, Why is a State Academy of Science?
LUCIUS P. BROWN.
 2. Constitutional Evolution and Political Dilemmas.
ROY L. GARIS.
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MEETING OF NOVEMBER 30, 1923.

The meeting was held in College Hall, of Vanderbilt University, President A. E. Parkins presiding. The program of papers was as follows:

NOTE.—The papers for this meeting constitute a symposium on *The Resources of Tennessee*.

9:30 O'CLOCK

1. The Soils of Tennessee.
C. A. MOOERS.
2. Agricultural Conditions and Opportunities in East Tennessee.
C. A. WILSON.
3. Agricultural Conditions and Opportunities in Middle Tennessee.
E. E. MILLER.
4. Agricultural Conditions and Opportunities in West Tennessee.
S. A. ROBERT.
5. Mineral Resources of Tennessee.
JOSEPH K. ROBERTS.

1:45 O'CLOCK

1. Forest Resources of Tennessee and Their Conservation.
R. S. MADDOX.
2. Water Power Resources of Tennessee.
WILBUR A. NELSON.
3. Health and Health Conservation in Tennessee.
MISS JEANNETTE M. KING.
4. Economic Advantages of the Climate of Tennessee.
ROSCOE NUNN.

8:00 O'CLOCK

1. The Wild Life of Tennessee.
ALBERT F. GANIER.
 2. Annual Address of the President: Industrial Opportunities in the South.
A. E. PARKINS.
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MEETING OF NOVEMBER 28, 1924.

The meeting was held in the Social Religious Building of George Peabody College, President Wilbur A. Nelson presiding. The program of papers was as follows:

9:30 O'CLOCK

1. Musical Ability Tests Applied to Race Differences.
JOSEPH PETERSON.

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2. Methods of Computing the Age of the Earth.
JOSEPH K. ROBERTS.
3. The Tennessee Archeological Association.
P. E. COX.
4. The Value of State Forest Parks for Tennessee.
R. S. MADDOX.
5. Mars in 1924 (Illustrated).
LATIMER J. WILSON.
6. Some Phases of the National Park Service (Illustrated).
K. C. DAVIS.

2:00 O'CLOCK

(Papers 1, 2 and 3 will be given before a joint meeting of the Tennessee Academy of Science, the Wilson Ornithological Club, and the Inland Bird Banding Association.)

1. Annual Address of the President of the Academy: Reelfoot an Earthquake Lake.
WILBUR A. NELSON.
2. The Great Smokies from the Naturalist's Standpoint.
GEORGE R. MAYFIELD.
3. Interesting Birds of the Great Smoky Mountains.
ALBERT F. GANIER.
4. The Advantages of State and National Parks from a Business Man's Standpoint.
COL. D. C. CHAPMAN.
5. Forests and Their Effects Upon Stream Flow.
L. C. GLENN.

IN THE EVENING

Dinner and informalities at the Hotel Hermitage, arranged by local members of the Wilson Ornithological Club and the Inland Bird Banding Association, to which members of the Tennessee Academy of Science were invited.