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The Nominations Committee (J. W. Sears, Ruth Armstrong, and L. B. Ham) proposed the following new officers:

H. L. Bogan, Arkansas State College
President-elect

W. L. Evans, University of Arkansas
Secretary

R. S. Fairchild, University of Arkansas
Treasurer

These officers were elected unanimously. Dr. Neal D. Buffaloe, Arkansas State Teachers College, was installed as the new president and the business meeting was adjourned.

Respectfully submitted,

Lowell F. Bailey
Secretary-Treasurer
Arkansas Academy of Science

PROGRAM

Friday, March 20

9:00 a.m.  Registration, Science Hall.
11:00 a.m. Business Meeting, Cathedral of the Ozarks, Lower Auditorium.
12:15 p.m. Luncheon, California Building, Cafeteria.
1:15 p.m. Science Education Section, Cathedral of the Ozarks, Lower Auditorium.
"Science Education Activities Planned and in Progress in Arkansas," Herman L. Bogan, Arkansas State College, in charge of program.
2:45 p.m. Section Meetings.
6:00 p.m. Banquet-Address. Blood Memorial Building.

Dr. R. E. Johnson, Professor of Mathematics, Smith College, Northampton, Massachusetts.

7:30 p.m. Bell Telephone Demonstration on Sound. Cathedral of the Ozarks.
8:30 p.m. Arkansas Science Teachers Association meeting.
8:00 p.m. Science Fair Exhibit, Gymnasium.
ARKANSAS ACADEMY OF SCIENCE

Saturday, March 21


12:15 p.m. Luncheon. California Building, Cafeteria. Presentation of Awards.

SECTIONAL PROGRAM

Biology and Agriculture

Chairman: Edward E. Dale, Jr.
University of Arkansas

The Flora of Izard County. Albert Robinson, Jr., Kansas Wesleyan University.

Growth Response of Loblolly Pines as a Result of the Control of Pinetip Moth Infestation. Lloyd O. Warren, University of Arkansas.

Conversion of C₁ and C₂ Carbons of Saturated Fatty Acids to CO₂ by Fungus Cells. G. T. Johnson, University of Arkansas.


The Vegetation of Petit Jean Mountain as Determined by Analysis of Original Land Survey Records and by Present Day Studies. Jewel E. Moore, Arkansas State Teachers College.

A Three-Year Creel Census of Lake Catherine, Lake Hamilton, and Lake Ouachita Arkansas. James H. Stevenson, Little Rock University, and Clinton Richards, Arkansas Game and Fish Commission.


The Ecological Relationship Between the Occurrence of Squirrel Leaf-Nests in Different Types of Oak Forest Habitats. Ned Fogle and Chad L. Fogle, University of Arkansas.

An Inventory in 1957 of the Distribution of the Wild Turkey (Meleagris gallopavo silvestris Vieillet) in the Ozark Plateau Region of Arkansas. Douglas James, University of Arkansas, and John R. Preston, University of Arkansas, Arkansas Game and Fish Commission.

Chemistry

Chairman: Robert L. Wixom
University of Arkansas Medical School


New Shape Fission Counter for the University of Arkansas Accelerator. A. Poularikas, University of Arkansas.

Stereochemistry of Catalytic Hydrogenation. Samuel Siegel and G. V. Smith, University of Arkansas.


The Activation Energy of the U(IV)-U(VI) Electron Exchange Reaction in the Water-Ethanol System. Antonio Indelli and Edward S. Amis, University of Arkansas.

Continuous Measurement of Plant Effluent pH. Edwin A. Richardson, University of Arkansas.

An Undergraduate Physical Chemistry Laboratory Experiment in Nuclear Chemistry. D. M. Matthews and R. W. Fink, University of Arkansas Graduate Institute of Technology.

Stereoisomerisms in Organic Chemistry. William K. Noyce, University of Arkansas.

ARKANSAS ACADEMY OF SCIENCE

Geology

Chairman: R. S. Rushing
Alice-Sidney Oil Company
El Dorado, Arkansas

Kress City Field. William B. Lines, Alice-Sidney Oil Co.
Petroleum Geologists Can Improve This Risk. R. S. Rushing, Alice-Sidney Oil Company.
Interpretation of Fracture Patterns in the Kennebago Lake Quadrangle, Maine. Robert J. Willard, University of Arkansas.

History and Political Science

Chairman: Gordon H. McNeil
University of Arkansas

Ministerial Cabinets in the IVth Republic. Jerome B. King, University of Arkansas.
The Elaine Race Riots. Oscar A. Rogers, Jr., University of Arkansas.
Valor and Caution in Constitutional Interpretation. Ralph G. Jones, University of Arkansas.

Mathematics

Chairman: Oliver T. Shannon
A. M. and N. College

The Rocking Cable Problem. John C. Sallis, University of Arkansas.

Physics

Chairman: L. B. Ham
University of Arkansas

The Science Fair in Science Education. R. A. McGee, Southern State College.
A Kinetic Analysis of the Decomposition of Sodium Azide by Ultraviolet Light. J. G. Dodd, Drury
Arkansas Academy of Science

College, Springfield, Mo.
Isotope Shifts in the First Spectrum of Palladium.
F. A. Sharpton, University of Arkansas.
Construction of an Atomic Beam Light Source. T. R. Angel, University of Arkansas.
The Undertaking of a Spectroscopic Investigation of Atomic Collision Processes Using the University's Cockroft-Walton Accelerator. R. C. War- ing, University of Arkansas.
The Undertaking of a Study of the Polarization of Light Emitted During Electron Impact. L. D. Wea- ver, University of Arkansas.

Psychology and Sociology

Chairman: Robert C. Cannon
V. A. Hospital, North Little Rock

Flattened Affect and the Bender-Gestalt. William M. Prado, V. A. Hospital.
Diagnostic Relevance of the Wais Block Design Sub- test. Daniel Taub and John Harrell, Arkansas State Hospital.

Panel Discussion: Current Status and Future Devel- opment of Psychology in Arkansas. Moderator: R. Cannon, V. A. Hospital. Panel: John Anderson, University of Arkansas; Hugh Lovett, State Director of Vocational Counseling; Hardy Wilcoxon, University of Arkansas; S. J. Fields, University Medical Center; O. D. Murphree, V. A. Hospital; Jerome Schiffer, V.A. Hospital, Gerard Bensberg, Arkansas Child Development Center; Willard Frick, Arkansas State College; Frederick Schnadt, V.A. Hospital.

Science Education

Chairman: Herman L. Bogan
Arkansas State College

Science Education Programs Under Way and Planned at the University of Arkansas. Lowell F. Bailey, University of Arkansas.
Science Education Program Under Way in the Mathe-
Title III of the National Defense Education Act and Its Implications for Possible Improvement in Public School Curriculum. Curtis R. Swaim, State Department of Education.


Papers Presented by Title Only

Training Undergraduates to Use Radioisotopes in Biology, at the University of Arkansas. G.T. Johnson, University of Arkansas.

Check Lists of Vascular Plants, Lichens and Bryophytes of Petit Jean Mountain. Jewel E. Moore, Arkansas State Teachers College.

Literature on the Vegetation of Arkansas. Edward E. Dale, Jr., University of Arkansas.

ARKANSAS COLLEGIATE ACADEMY OF SCIENCE

Lead Amalgam Storage Ore. Mike White, Harding College.

An Ecological Analysis of a Post Oak-Hickory Forest in Northwest Arkansas. Bill Bagley and Lionel Burkes, University of Arkansas.

Diffusion Rate Studies of a Bacterial Virus. Gary Ackers, Harding College.


An Analysis of Vegetation in an Abandoned Orchard in Northwest Arkansas. Gerald Brown and Duane Rorie, University of Arkansas.

Preliminary Notes on Gibberellic Acid. Dennis Wright, John Brown University.

Notes Pertaining to Studies in Preparation of Camphor. Harris Lloyd, Cuachita Baptist College.