Southwestern Division, May 1-4, 1952

Frank E. E. Germann
University of Colorado, Boulder

The 28th Annual Meeting of the Southwestern Division, AAAS, will be held jointly with the Colorado-Wyoming Academy of Science on the University of Colorado campus at Boulder, May 1-4. The section secretaries have submitted the following lists of papers to be read in their respective sections.

ANTHROPOLOGY SECTION
Ruth Underhill, Chairman

Symposium on Colorado Prehistory
7. The Proposed Carbon 14 Dating Laboratory at the University of Colorado. Raymond N. Keller, University of Colorado.
9. The Ute Claims Cases. Omer C. Stewart, University of Colorado.

BACTERIOLOGY SECTION
Charles F. Poe, Chairman
3. The Effect of Combinations of Antibiotics on Resistant Staphylococci. Ben Miyahara and William E. Clapper, University of Colorado School of Medicine, Denver.
5. Study of the Protective Action of Alkaloids against Ultraviolet Irradiation. John P. Street, College of Pharmacy, University of Colorado.

CHEMISTRY SECTION
William C. Stickler, Chairman
11. An Investigation of the Effects of Calcium and Potassium Ions on Lipid-Water Emulsions. Patricia Fain, Joe Dennis, and F. G. Harbaugh, Texas Technological College.
20. A Comparative Study of the Production of Polycythemia in Male and Female Rats. Gavin Mallett and Essie White Cohn, University of Denver.
22. The Oxidation of Indium Triosilicide. M. F. Stubbs, New Mexico Institute of Mining and Technology, Socorro.
27. The Infrared Absorption Spectra of some Pyrimidines in the LiF Region. J. Ito, J. R. Lacher, and J. D. Park, University of Colorado.
30. The Ages of Two Minerals from the Pescos, New Mexico, Region. O. B. Muench, New Mexico Highlands University.
34. Vapor Pressure Studies on Cyclohexene. Lester A. Michel and Margaret Sykes Grill, Colorado College, Colorado Springs.
36. The Effect of Histamine on the Respiration of Rat Brain. Harold C. Heim, University of Colorado.

ENGINEERING SECTION

S. A. Johnson, Jr., Chairman

7. Improving Efficiency of Primary Sewage Treatment Plant. R. E. Leffel, University of Colorado.

PHYSICS SECTION

1. The Curie Point for Nickel. W. B. Pietenpol, University of Colorado.


COLORADO-WYOMING SECTION OF THE AMERICAN ASSOCIATION OF PHYSICS TEACHERS

Paul E. Boucher, Chairman


PLANT SCIENCE SECTION

L. C. Hinckley and Edna L. Johnson, Chairman


3. Ferns of New Mexico. Howard J. Dittmer, Edward F. Castetter, and Ora Clark, University of New Mexico, Albuquerque.


6. Results of Spray Tests for the Control of Carnation Rust. Lester E. Dickens and W. D. Thomas, Jr., Colorado A & M College.


8. The Relation of Chlorogenic Acid in Potato Tubers to Scab Resistance. Lawrence A. Schaal, Colorado A & M College.


17. A Forage Quality Classification of Short-Grass Species. G. E. Klipple, Rocky Mountain Forest and Range Experiment Station.


27. Little Emphasized Facets of the Nitrogen Cycle. Lora Mangum Shields, New Mexico Highlands University.


29. The Effects of Certain Foreign Agents, as Blood, Fat, Sputum, and Calcium Ions, on the Efficiency of a Number of Disinfectants against Salmonella typhosa and Serratia marcescens. Harold P. Cumford, New Mexico Highlands University.


32. True Aquatic Plants of Colorado and their Comparison with the Aquatic Flora of Japan. Yoshiraru Matsumura, Colorado A & M College.

PSYCHOLOGY SECTION

JOINT MEETING WITH THE ROCKY MOUNTAIN BRANCH OF THE AMERICAN PSYCHOLOGICAL ASSOCIATION


2. The Basic Personality Pattern of Delinquents. Anna Martin, New Mexico Highlands University.

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4. Mode Flexibility as a Function of Rate of Solution Approach. Charles D. Fink and Jack R. Gibb, University of Colorado.
6. Two Situational Determiners of Mechanization in Problem-Solving. David T. Benedetti, University of New Mexico.
7. Substitutive and Social Solution Fantasy: Relations Between Fantasy and Behavior as a Function of the Degree of Illness in Schizophrenia. Harold Dean Blessing, University of Denver, and Donald D. Glad, University of Colorado Medical School.
10. Certain Aspects of Wechalar-Bellevue Scatter in Low IQ Levels. Frederick Schnadt, VA Hospital, Ft. Lyon, Colo.
12. MMPI Personality Patterns for Various College Major Groups. Ralph D. Norman and Miriam Redo, University of New Mexico.
14. Changes in Schizophrenic Behavior in Group Therapy as a Function of the Type of Therapist Activity. Richard B. Hartley, University of Denver, and Donald D. Glad, University of Colorado Medical School.
16. Relationships between Emotional Projection Test Responses and the Process of Improvement in Therapy Group of Paranoid Schizophrenics. E. Frederick Thompson, University of Denver, and Donald D. Glad, University of Colorado Medical School.
18. Item Intercorelations within the Szondi "Factors." Leonard V. Gordon, University of New Mexico.

**Social Science Section and the Colorado-Wyoming Social Science Association**

**Gilbert R. Dale, Chairman**

**History**

Carroll B. Malone, Chairman


**Political Science**

Robert W. McCulloch, Chairman


**Sociology**

Marshall E. Jones, Chairman


**Zoology Section**

Robert W. Pennak and Albert R. Mead, Chairmen

1. A Distribution Study of Colorado Mammals, as Based Upon a Survey of Four Collections. Robert B. Lewis, Aspen, Colo.
2. Distribution of Certain Riffle Insects in a Foothills Stream with Respect to Current Velocity. Arnold Benson, University of Colorado.
3. Some Uses of Poisson Distribution in Quantifying Bird Populations and in Forecasting Censuses. John L. Chapin, University of Colorado Medical School, Denver.
4. The Effects of Cloudburst Drainage on Temperature Stratification in a Colorado Reservoir. Philip A. Buscemi, University of Colorado.
7. Some Effects of Diet on Resistance of Rats and Mice to Simulated Altitude. Owen France, University of Colorado.
9. The Altitudinal Distribution of Ants in the Sandia Mountains of New Mexico. Willis B. Gunn and C. Clayton Hoff, University of New Mexico.

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17. Qualitative Distribution of Aquatic Invertebrates among the Plants in Muskeg Lake, Colorado. Willard N. Rosine, University of Colorado.


19. Mosquitoes of Dry-Farming and Irrigated Areas of Southeastern Colorado and Northeastern New Mexico. C. Clayton Hoff, University of New Mexico.


23. Lethal Mutations Produced in Drosophila melanogaster by the Auxin γ-indole-3-acetic acid. Chester Jekot, University of Colorado.


33. Some Aspects of Growth and Maturity of Hereford Cattle on a Typical Southern New Mexico Range. W. E. Watkins, J. H. Knox, and Marvin Koger, New Mexico Agricultural Experiment Station.

34. Distribution of the Rh Antigen in the Spanish-American Population of Northeastern New Mexico. Robert D. Smith and John DePalma, New Mexico Highlands University.

35. The Effects of Isonicotinylhydrazide (Nydrazid) on Sputum Count, Urine, Blood Picture, and Clinical Symptoms of Ten Tuberculosis Patients. Carl H. Gellinthen, Valmora Sanatorium, New Mexico, and Robert D. Smith, New Mexico Highlands University.

36. Weight Changes of Adults in an Inbred Colony of Syrian Hamsters. Marcia Frances Curry, University of Colorado.

37. Effect of Cortisone on Extramedullary Hematopoiesis in Tumor-Bearing Hamsters. Margaret A. Kel- sail and Edward D. Crabb, Beta Sigma Phi Cancer Research Foundation and Department of Biology, University of Colorado.

38. The Influence of Hydroquinone on the Growth and Organogenesis of the Developing Chick. Frances Holmes, Kayo Sunada, and L. Floyd Clarke, University of Wyoming.


41. The Distribution of the Rocky Mountain Moose, Alces a. shirasi. R. H. Denniston, University of Wyoming.

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**Scientific Book Register**


