

# Rocky Mountain Conference on Magnetic Resonance

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Volume 2 *Colorado "Rush to the Rockies Centennial" Spectroscopy Conference*

Article 1

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8-10-1959

## Colorado "Rush to the Rockies Centennial" Spectroscopy Conference

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## Colorado "Rush to the Rockies Centennial" Spectroscopy Conference

### Abstract

Program from the Colorado "Rush to the Rockies Centennial" Spectroscopy Conference, sponsored by the Rocky Mountain Spectroscopy Society. Held in Denver, Colorado, August 10-11, 1959.

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COLORADO  
"RUSH to the Rockies  
CENTENNIAL"  
SPECTROSCOPY  
CONFERENCE

1959

10-11 August

Farmer's Union Building

1575 Sherman Street

Denver, Colorado



Sponsored by

The Rocky Mountain

Spectroscopy Society

**REGISTRATION INFORMATION:**

Registration will be held in the auditorium of the Farmers Union Building, **1575** Sherman Street.

**FEEs:**

All Technical Sessions	<b>\$3.00</b>
Social Hour and Banquet	<b>\$5.00</b>

**MONDAY, 10 AUGUST, 1959**

9-.09 A.M. Registration

**10:0t A.M7**

Welcome by the President of R.M.S.S., A. T. Myers, U.S.G.S., Denver Federal Center, Denver, Colorado.

Chairman: Charles Barrick, Dow Chemical Company, Denver, Colorado.

**10:15**

Emission Spectrochemical Analysis of Silicate Rocks by the Spark-in-Spray Solution Technique, A. L. Schalge, Ohio Oil Company, Littleton, Colorado; and H. V. Malmstadt, University of Illinois, Urbana, Illinois.

**10:45**

New Optical Emission Instrumentation—An Evaluation, B. R. Boyd, Applied Research Laboratories, Glendale, California.

**11:15**

A Study of the Relationship of Various Physical Properties of Graphite and Carbon Spectrographic Electrodes, W. E. Allsopp and Dik Sarnowski. United Carbon Products Company, Bay City, Michigan.

**11:45 Luncheon Recess**

Chairman: U. Jim Oda, U.S.G.S., Denver Federal Center, Denver, Colorado.

**1:3t P.M.**

An Evaluation of Whole Order, Half Order, and One-Third Order Reporting in Semi-Quantitative Spectrochemical Analysis, Paul R. Barnett, U.S.G.S., Denver Federal Center, Denver, Colorado.

**2 ••**

Accuracy in Spectrochemical Analysis, A. J. Mittledorf, Spex Industries, Inc., Scotch Plains, New Jersey, and Arno Arrak, Belmont Smelting and Refining Company, Brooklyn, New York.

**2:3\* Coffee Recess**

Chairman: E. N. Kissinger, Colorado Fuel and Iron Corporation, Pueblo, Colorado.

**3 ••**

Application of the Copper-Spark Method to Water Analysis: Determination of Strontium, M. W. Skougstad, U.S.G.S., Denver Federal Center, Denver, Colorado.

**3:3i**

Sixth Order Isotopic Analysis of Uranium, John B. Marling, General Electric Atomic Power Equipment, San Jose, California (now located at Varian Associates, Palo Alto, California).

**4:M**

Progress Report of the Society for Applied Spectroscopy, Wm. J. Poehlman, President.

6.99 Social Hour

7.99 Banquet

8:§# Problem Discussion Groups

Panel Members:

Absorption (IR and UV)

Lloyd Kahn, Shell Chemical Corp., Denver, Colorado.

William A. Lenz, Martin Company, Denver, Colorado.

William H. Robison, U. S. Fish and Wildlife Service, Denver, Colorado.

Peter Yin, Shell Chemical Corporation, Denver, Colorado.

Arc-Emission

Andrew J. Johnson, Dow Chemical Company, Denver, Colorado.

Billy McCarty, Union Carbide Nuclear Company, Grand Junction, Colorado.

William J. Potter, Jr., U.S.B.R., Denver Federal Center, Denver, Colorado.

Ted Van Vorous, Dow Chemical Company, Denver, Colorado.

X-Ray Emission

N. Cyril Schieltz, Colorado School of Mines, Golden, Colorado.

William S. Turnley, Dow Chemical Company, Denver, Colorado.

TUESDAY, 11 AUGUST, 1959

9:45 A.M. Coffee

Chairman: C. William Gullikson, Ohio Oil Company, Littleton, Colorado.

10:15

Infrared Spectra-Structure Correlation Study of the C=S Linkage, L. D. Frederickson, Jr., Spectran Laboratories, Denver, Colorado.

10:45

Reflectance Spectroscopy in the Ultraviolet and Near-Infrared, R. J. Manning, Beckman Instruments, Inc., Fullerton, California.

11:15

The Use of Low Molecular Weight Polyethylene in Ultra Violet Spectroscopy, F. R. McDonald and G. L. Cook, U.S.B.M., Laramie Petroleum Research Center, Laramie, Wyo.

11:45 Luncheon Recess

Chairwoman: Nancy Conklin, U.S.G.S., Denver Federal Center, Denver, Colorado.

1:30 P.M.

Ceramic Grinding Mills for Grinding and Blending Multiple Rock Samples for Spectrochemical Analysis, A. T. Myers and W. H. Wood, U.S.G.S., Denver Federal Center, Denver, Colorado.

2:00

Flame Spectroscopic Determination of Yttrium in Rare Earth Mixtures, H. M. Ochs, H. M. Ochs Laboratory, Denver, Colorado.

2:30 Coffee Recess

Chairman: Charles R. Bruce, Ohio Oil Company, Littleton, Colorado.

3:00

Scintillating Solutions, A. R. Ronzio, Radiological Institute, Inc., Denver, Colorado.

3:30

Techniques for Technical Presentations, J. O. Milmoie, Colorado School of Mines Research Foundation, Inc., Golden, Colorado.

4:00 Critique and Open Forum Discussion

R.M.S.S. Officers 1958-59:

President: A. T. Myers, U.S.G.S., Denver  
Federal Center, Denver, Colo.

Vice President: Edward Vejvoda, Dow  
Chemical Co., Denver, Colo.

Secretary: Pauline Dunton, Ohio Oil Co.,  
Littleton, Colo.

Treasurer: A. P. Marranzino, U.S.G.S.,  
Denver Federal Center, Denver, Colo.

Standing Committees:

Program

L. D. Frederickson, Jr., Spectran Lab-  
oratories, Denver, Colo.

John C. Hamilton, U.S.G.S., Denver  
Federal Center, Denver, Colo.

William S. Turnley, Dow Chemical Co.,  
Denver, Colo.

Edward Vejvoda, Dow Chemical Co.,  
Denver, Colo., Chairman.

Membership and Publicity

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Denver, Colo.

Gerhardt Podolski, Braun-Knecht-Hei-  
mann Co., Denver, Colo., Chairman.

Ted Van Vorous, Dow Chemical Co.,  
Denver, Colo.

James Wilson, Ohio Oil Co., Littleton,  
Colo.

Annual Conference

Andrew J. Frank, Denver Research  
Institute, Denver, Colo.

C. William Gullikson, Ohio Oil Co.,  
Littleton, Colo.

A. P. Marranzino, U.S.G.S., Denver  
Federal Center, Denver, Colo.

Merlyn L. Salmon, Fluo-X-Spec Labor-  
atory, Denver, Colo., Chairman.

Richard W. Thompson, Braun-Knecht-  
Heimann Co., Denver, Colo.

Projection equipment was furnished by the  
Ohio Oil Company, Littleton, Colorado.

NOTES:

Marv Skougstad  
USGS

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