Rocky Mountain Spectroscopy Conference

Abstract

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ROCKY MOUNTAIN SPECTROSCOPY CONFERENCE

1958

11-12 August
Farmers Union Building
1575 Sherman Street
Denver, Colorado

Sponsored by
The Rocky Mountain Spectroscopy Society
REGISTRATION INFORMATION:

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

FEES:

<table>
<thead>
<tr>
<th>Session Type</th>
<th>Fee</th>
</tr>
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<tbody>
<tr>
<td>All Sessions</td>
<td>$10.50</td>
</tr>
<tr>
<td>(Includes technical sessions,</td>
<td></td>
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<tr>
<td>luncheon both days, banquet,</td>
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<tr>
<td>and all social functions)</td>
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<tr>
<td>Technical Sessions Only</td>
<td>$3.00</td>
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<tr>
<td>Monday Luncheon Only</td>
<td>$1.75</td>
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<tr>
<td>Monday Banquet Only</td>
<td>$4.50</td>
</tr>
<tr>
<td>Tuesday Luncheon Only</td>
<td>$1.75</td>
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MONDAY, 11 AUGUST 1958

9:00 A.M. Registration

9:55
Welcome by the President of R.M.S.S., William Gullikson, Ohio Oil Company, Littleton, Colorado
Chairman: Billy Bickley, Dow Chemical Company, Denver, Colorado

10:00

10:35
The Sustained Arc and Its Application. E. W. Rebol and D. R. Moore, National Spectrographs Laboratories, Miami, Fla., and Cleveland, Ohio

1:10

11:45 Luncheon
Chairman: Edward Vejvoda, Dow Chemical Company, Denver, Colorado

1:30 P.M.
Qualitative Spectrochemical Analysis. Werner Hartmann, Bell Telephone Laboratories Inc., Murray Hill, New Jersey

1:55
The Direct Reading Spectrograph and Its Use at the Pueblo Plant, the Colorado Fuel and Iron Corporation. William Fertal and M. E. Mador, Colorado Fuel and Iron Corporation, Pueblo, Colorado

2:20
Sampling for and Calibration of the Direct Reading Spectrograph for Routine Control at the Pueblo Plant, Colorado Fuel and Iron Corporation, E. N. Kissinger, Colorado Fuel and Iron Corporation, Pueblo, Colorado

2:45 Recess
Chairman: Robert Reinke, Dow Chemical Company, Denver, Colorado

3:15
Spectrochemical Analysis with the D.C. Arc. A. T. Myers, U. S. Geological Survey, Denver, Colorado

3:45
Spectroanalysis in the Forensic Laboratory. J. F. Moomaw, Denver Police Department Laboratory, Denver, Colorado

4:10
Analysis of Plain Carbon and Low Alloy Steel with the ARL Quantovac. G. Anderman and J. L. Odom, Applied Research Laboratories, Glendale, California

6:00 Social Hour

7:00 Banquet

Guest Speaker: Dr. E. U. Condon
Head, Physics Department
Washington University
“Remarks on the History of Quantum Mechanics”
TUESDAY, 12 AUGUST 1958


9:00 A.M.
Photoelectric Comparator for Relative Distance and Intensity Measurements of Spectrograms. D. W. Steinhaus, Los Alamos Scientific Laboratory, Los Alamos, New Mexico

9:25
Vaporization of Electrode Material in the Spectroscopic D.C. Arc Technique. W. A. Garee and J. Weinard, National Carbon Company, Fostoria, Ohio

10:00 Recess

Chairwoman: Pauline Dunton, Ohio Oil Company, Littleton, Colorado

10:15
Spectrographic Analytical Considerations and Relation of Graphite Electrodes. Dik Sarnowski and W. E. Allsopp, United Carbon Products, Bay City, Michigan

10:50

11:15
NMR as a Tool for Research. C. R. Bruce, Ohio Oil Company, Littleton, Colorado

11:45 Luncheon


1:30 P.M.

1:55
Infrared Spectra of Oil Shale. William Gulkisson, Ohio Oil Co., Littleton, Colorado

continued
TUESDAY, 12 AUGUST 1958 continued

2:20 P.M.
Infrared Spectra of Some Fluorine-Containing Polymers. L. D. Frederickson, Jr., Spectran Laboratories, Denver, Colorado

2:45
The Combined Use of Gas Chromotography and Infrared Spectrophotometry in Quantitative Analysis. J. E. Stewart, T. Johns, R. O. Brace, and W. F. Ulrich, Beckman Instruments, Inc., Fullerton, California

3:10 Recess
Chairman: Gerhardt Podolski, Braun-Knecht-Heimann, Denver, Colorado

3:40
Open Discussion Period (Meeting summary and evaluation, short technical notes, unscheduled papers, or other discussion of interest to the majority of the group. These should be scheduled at the registration desk by 11:00 A.M. Tuesday, 12 August 1958).

R.M.S.S. Officers 1957-8
President: William Gullikson
Vice President: A. T. Myers
Secretary: L. D. Frederickson, Jr.
Treasurer: Merlyn L. Salmon

1958 Conference Committee
Paul Barnett, U. S. Geological Survey
Billy Bickley, Dow Chemical Company
Andrew J. Frank, Denver Research Inst.
Joe Moomaw, Denver Police Department
Merlyn Salmon, Fluo-X-Spec Laboratory
Dick Thompson, Braun-Knecht-Heimann
Fred Ward, U. S. Geological Survey
Refreshments served during the recess periods, registration and the social hour were available through the courtesy of the following industrial sponsors:

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NATIONAL SPECTROGRAPHIC LABORATORIES
PERKIN-ELMER CORPORATION
PHILIPS ELECTRONICS, INC.
UNITED CARBON PRODUCTS COMPANY

In addition to appreciation for efforts by the officers and members of R.M.S.S. and the financial cooperation noted above, the conference committee wishes to express its thanks to William Thacker and Martha Daiss of the Denver Convention and Visitors Bureau and Kathleen Kelly of Ohio Oil Company for their assistance in preparation for the conference.