I. COBLENTZ SYMPOSIUM

We again had an interesting Symposium, in this instance honoring Harrison M. Randall, the Dean of Infrared Spectroscopists. A highlight of the Symposium was the response by Dr. Randall. As spry as ever at the age of 95, he commented that, "If one divides one's life into decades, I recommend the decade between 90 and 100...... and I hope to see you all enjoying it when you get there."

II. COBLENTZ BOARD OF MANAGERS MEETING

The Board of Managers Meeting was held March 3, 1965, at 8:30 p.m. in the Oliver Room of the Hotel Penn Sheraton in Pittsburgh. Those present were:

<table>
<thead>
<tr>
<th>Board Members</th>
<th>Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Lee Smith, President</td>
<td>W. J. Potts, Treasurer</td>
</tr>
<tr>
<td>L. E. Kuenzel</td>
<td>C. Smith, Spectra Collection</td>
</tr>
<tr>
<td>N. Fuson</td>
<td>H. B. Kessler, Secretary</td>
</tr>
<tr>
<td>R. N. Jones</td>
<td></td>
</tr>
<tr>
<td>R. S. McDonald</td>
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A. Election of New Board Members

The newly elected members of the Board of Managers are: Professor Nelson Fuson, Fisk University, and Dr. Forrest (Jack) Mortimer, Shell Development Laboratories. They replace Dr. V. A. Fassel, Iowa State University, and L. E. Kuenzel of Wyandotte Chemical.

The present members of the Board and the expiration date of their terms are:

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<tbody>
<tr>
<td>A. Lee Smith</td>
<td>(1966) President</td>
</tr>
<tr>
<td>James E. Stewart</td>
<td>(1966)</td>
</tr>
<tr>
<td>R. S. McDonald</td>
<td>(1967)</td>
</tr>
<tr>
<td>John Overend</td>
<td>(1967)</td>
</tr>
<tr>
<td>Nelson Fuson</td>
<td>(1968)</td>
</tr>
<tr>
<td>Forrest Mortimer</td>
<td>(1968)</td>
</tr>
<tr>
<td>R. N. Jones</td>
<td>Past President</td>
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B. Secretary's Report

The Secretary's Report as presented in Mailing #23 was approved.

C. Treasurer's Report

The Treasurer's Report was approved as attached.

D. Coblentz Prize Award

The President expressed the appreciation of the Society to the anonymous selection committee for the excellent choice in establishing the dual awards presented to William Fately and Robert Snyder.

The Board of Managers decided to offer another Coblentz Award for 1966. The President requested that any suggestions of an outstanding spectroscopist under 36 years of age be sent to: A. Lee Smith, Dow Corning Corporation, Midland, Michigan. A new award committee was appointed by the President with the approval of the Board.

F. Coblentz Spectra Collection

Clara Smith reported that 4000 spectra have now been issued and that work is progressing on the next 1000 with approximately 100 completed.

Clara expressed the need for a greater contribution of spectra by the Coblentz Society membership, particularly an increase in the number of people contributing spectra. At present, the program is supported by contributions from a very small number of laboratories.

In the discussion, it was concluded that there is a need to publicize both the greater contributions to, and sales of the Coblentz Spectra. As a first step, one of the future mailings will include:

1) A description of the program and directions for submission of spectra.

2) An example spectrum and directions for ordering the Coblentz spectra.

Clara Smith was requested to arrange for the sample spectrum to be included in the mailing.
G. National Standard Reference Data Program (NSRDP)

L. E. Kuenzel reported on the status of NSRDP. Microfilms of spectra are being collected from some U. S. Government laboratories. To expedite and improve the evaluation of the standard spectra, the reviewers will be provided copies of all previously published spectra of the materials. The Board considers the proper evaluation of spectra for this collection to be of primary concern to the members of the Society. Therefore, the Board adopted the following resolution:

"The Coblentz Society volunteers to assume the responsibility for evaluating the infrared spectra being prepared for the National Standard Reference Data Program; it being understood that this responsibility applied only to the spectra of materials of defined chemical structure, and provided suitable financial arrangements can be made."

H. ACS Symposium

In the absence of John Overend, the report was delayed and will be presented at the Open Meeting of March 4, 1965.

I. Discussion of Ways to Increase Membership

Bob McDonald reported on the preparation and distribution of the leaflet describing the Coblentz Society. To date, the distribution has included the infrared summer courses, the Cleveland SAS Meeting, and inclusion in a mailing of Perkin-Elmer's Instrument News. These efforts are showing an encouraging increase in new members.

The President expressed the thanks of the Society of Dr. McDonald for this contribution towards increasing membership.

There was a discussion of the possibility of including the British Spectroscopy Group in the membership of the Coblentz Society. It was agreed that a routine exchange of information should be instituted. The responsibility for exploring this was assigned to the Secretary.
J. Discussions of Ways to Make Mailings More Valuable to the Membership

It is not the purpose of the Coblentz Society to either begin a journal or to begin a program of publication which compete with existing journals. However, there are areas where it is appropriate to communicate to the Society in a somewhat less formal fashion. The membership was requested to suggest such topics which would make the Coblentz mailings more valuable. The one response to this request was a suggestion by Professor Leopold May that we include a quarterly "Infrared Techniques Abstract." The Secretary was authorized by the Board to explore this idea with Professor May.

In general, the Board felt that each mailing should have a special feature of general interest. Some of the suggested possibilities were:

1) Newsletter from outstanding spectroscopic laboratories.
2) Discussion of present acceptance of units and symbols.
3) Hints on pitfalls for submitting manuscripts for publication.
4) Periodic reviews of areas of general interest which would be of value to newer spectroscopists and a refresher for old hands, data retrieval, for example.

To begin this program, assignments will be made to individual Board members to prepare special features. Suggestions and contributions from the membership will be requested.

K. Possible New Projects

a) Publication of ACS Spectra. A. Lee Smith reported that he has been unsuccessful in convincing the ACS that a special yearly volume should be published to contain the spectra submitted with papers in ACS publications, despite the offer of the Coblentz Society to provide reviewers for the spectra. The Board approved the suggestion that he approach ACS with the proposal that the Coblentz Society include appropriate spectra in the Coblentz Collection with suitable reference included in ACS publication of the paper. The procedure would be as follows:
1. Authors would submit spectra with their papers.

2. ACS would send the spectra for review by the Coblentz Society. If suitable, the spectra would be numbered for publication by the Coblentz Society and the reference number sent to the journal in time to be included as a reference in the article.

b) **Reprint Collections.** The possibility of establishing bound reprint collections was proposed by R. McDonald. An example of a possible collection is a series of reprints on calibration of spectrometers which might be a valuable adjunct to the IUPAC tables. Dr. McDonald was requested to ask the membership for an expression of interest.

L. **Election of Officers**

A. Lee Smith was unanimously re-elected as President of the Board of Governors. L. Kuenzel was appointed as a special representative for the Coblentz Society for Storage and Retrieval of Spectroscopic Data.

M. **Other Business**

a) W. J. Potts was requested to poll the membership on proposed subjects for the next Coblentz Symposium to be held at the 1966 Pittsburgh Conference.

b) The next meeting of the Board of Governors was tentatively scheduled during the Fall meeting of the ACS in Atlantic City.

c) The Board elected to take no action on any proposal to affiliate with the SAS. This was scheduled for discussion at the Open Meeting.

d) **Joint Committee to Administer NSRD Program.** Because of legal factors involving the Internal Revenue Service, the ASTM is proposing a joint committee to administer the NSRD program. In addition to the spectra distributed under this program, ASTM is proposing that the joint committee independently sponsor distribution of secondary spectra (mixtures, commercial materials, and other spectra not included in the NBS program), and use the proceeds to sponsor the accumulation of additional spectra. It is also proposed that the Joint Committee assume responsibility for IR spectra now being published under other auspices (API, MCA, Agricultural Chemists, etc.)
It is proposed that the Joint Committee be composed of representatives from ASTM, Coblentz Society, SAS, Canadian AAS, MCA, ACS, AOAC, API, and possibly other groups.

The Board was agreed that:

1. The Coblentz Society will cooperate in all ways possible with the NSRD program of spectral evaluation.

2. The Coblentz Society is willing to cooperate with other societies in exploring the advisability of a Joint Committee for accumulation and distribution of atomic and molecular data.

3. The Society is not convinced of the advisability of a Joint Committee publication program other than the NSRDP.

4. Because of some obvious deficiencies in formulation, the Coblentz Society cannot accept the tentative draft of by-laws for the Joint Committee, but would be willing to help formulate an acceptable set of by-laws.

III. MINUTES OF THE ANNUAL GENERAL MEETING, MARCH 4, 1965

The meeting was called to order by the President, A. Lee Smith, at 8:05 p.m. An attendance of 64 members was recorded.

The President announced the results of the election and expressed the sincere thanks of the Society to the retiring members, L. E. Kuenzel and V. A. Fassel for their contributions to the Society. The President then announced that L. E. Kuenzel was immediately coming out of retirement to accept an advisory position as special representative of the Coblentz Society for Storage and Retrieval of Spectroscopic Data.

Committee and Staff reports were given, essentially as recorded in the above minutes of the Board of Managers Meeting. Extensions of these topics and other topics discussed follow.

A. Coblentz Spectra Collection

Clara Smith reported on the status of the Coblentz Spectra Collection. A request was made for corrections or replacement spectra for the present collection since re-issues are planned following the issue of the fifth set of 1000 spectra, which are now in preparation.
There was a request from the floor for providing microfilm copies of the spectra. These are presently available in 35 mm size and can be obtained in 16 mm size if desired. Requests should be sent to Dr. Clara Smith, R.D. 2, Box 152, Cranbury, New Jersey.

A question was raised concerning the desirability of including more spectra of commercial chemicals in the Coblentz collection. The present practice limits the inclusion of such spectra to 10% of the total. This limit has not been reached in the past and the inclusion of commercial chemicals has not forced the inclusion of any spectra of pure materials.

A suggestion was made that the Coblentz Society publish spectra of families of chemicals with a systematic arrangement of the spectra. Suggestions for increasing general awareness of the spectra program included issuing a press release and displaying the spectra at scientific meetings.

B. Analytical Methods

A. Lee Smith reported that approximately 170 quantitative methods have been published, and an index was prepared last year. After a flurry of methods at the start of the program in 1957, it has gradually tapered off to a level where about six procedures are submitted a year.

There was a suggestion from the floor that in reviewing papers for journals, members should keep in mind the Analytical Methods published in Applied Spectroscopy under the auspices of the Coblentz Society. In some cases, papers are submitted which do not appear appropriate for a full length journal article and could be submitted to Analytical Methods.

C. ACS Symposium

Professor John Overend, Chairman of the Subcommittee, reported on the progress for an ACS Symposium. One year ago, the Coblentz Society decided that a contribution to further the use of spectroscopy could be made by organizing symposia for meetings where spectroscopy was normally not the subject of a separate session. It was the general consensus that the rapid extension of infrared to inorganic chemistry provided a need for presenting inorganic chemists with a comprehensive series of papers dealing with the application of infrared to inorganic molecules. Professor Robert Parry, Chairman of the Inorganic Division of ACS, was receptive to the idea, and a committee was formed to organize a program for the September ACS meeting in Atlantic City.
The Committee, representing both the Coblentz Society and ACS, is:

John Overend, Chairman (U. of Minnesota - Coblentz)  
Foil Miller (Mellon Institute - Coblentz)  
Robert Taylor  
Stewart Tobias (U. of Michigan - ACS)  
(U. of Minnesota - ACS)  

Programs, which are being organized for sessions on September 13 and 14, will be sent to the membership in our next mailing.

D. Improved Coblentz Mailings

During the discussion of ways in which to improve the Coblentz Mailings, the following additional suggestions were made:

1. Exchange of information with the British Spectroscopy Group.
2. News about Society members.
3. Letters to the Editor.

E. Coblentz Symposium for 1966

Willis Potts requested suggestions for topics at the Coblentz Symposium which is planned for the 1966 Pittsburgh Meeting. The following suggestions were made:

1. Vibrational analysis of polymers (with a plea that it be "not too theoretical").
2. Forensic infrared.
3. New spectroscopic techniques (using "spectroscopic" in a broad sense).
4. Infrared emission spectroscopy.
5. Spectroscopy as a profession, including availability and need for spectroscopists and "educational requirements of spectroscopists."
7. Combined instrumentation where infrared is coupled with other techniques.
F. New Projects

Publication of ACS Spectra (See Board Minutes)

The membership favored approaching ACS on the possibility of publishing Spectra submitted with articles, provided it could be arranged that:

1) It would not preclude necessary spectral data from being published with articles, and

2) it would not delay the manuscript review time.

G. Reprint Collections

Bob McDonald proposed that the Coblentz Society consider sponsoring reprint collections. These would be inexpensive collections of reprints pertinent to a particular subject. The intent would not be to compete with commercial volumes written for the field, but instead to provide a simple collection of the most important articles written on a particular subject. Since there is no economic objective, there would be no need to restrict such efforts to fields of wide interest, and many areas of more limited interest could be presented. Some of the suggested topics were: 1) reflection spectra (including ATR), 2) KBr techniques, 3) Microsampling techniques, and 4) infrared intensities.

The membership is urgently requested to send comments on the following questions to Dr. R. S. McDonald, General Electric Research Laboratories, P. O. Box 1088, Schenectady, New York.

1. Do you favor such a program?

2. What topics would you favor? Include any detail which might be of value.
H. Joint Committee for Administering NSRD Program

The President expressed the view of the Board as presented in the Board Minutes. There was no objection from the membership and the President was authorized to proceed on this basis.

I. Affiliation with SAS

The President reported that there had been some informal discussion of possible affiliation of the Coblentz Society with SAS. The Board in discussing this topic concluded that the objectives of the Coblentz Society to do things not done by other societies would exclude our affiliation at this time. In reporting to another Board with more diffuse interests, the Coblentz Society would be more restricted in its actions. The Board decided that no action would be taken at this time, but that the Coblentz Society would be receptive to considering such action in the future as conditions change.

There was no objection raised by the membership and considerable support of this position was expressed.

J. Program Conflicts at Pittsburgh

There was a comment from the floor that the conflicts in programs at the Pittsburgh Meeting had become "intolerable," and the suggestion made that the Coblentz Society exert any influence it had in improving the situation in future meetings.
THE COBLENZ SOCIETY
TREASURER'S REPORT
March 4, 1965

Balance on hand March 6, 1964 $3,453.68

Receipts:

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<td>Coblenz reprints</td>
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$4436.60

Payments:

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<td>Payments to Clara Smith for spectra editing</td>
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<tr>
<td>Recordak-microfilm of Coblenz spectra</td>
<td>51.03</td>
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<td>Travel expenses and Scroles</td>
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<td>Last year's Coblenz Awardee</td>
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<tr>
<td>Travel expenses: Invited speaker for Coblenz Symposium</td>
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<td>Scroles: This year's Coblenz Awardees</td>
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<td>Coblenz Society Circular (Paper, printing, shipping)</td>
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$3030.50

Balance on hand March 4, 1965 $4,859.78

Respectfully submitted

W. J. Potts, Treasurer
Notes:

(1) Collection and distribution of Coblentz Spectra:

The cost of processing each set of 1000 spectra, in payments to Clark Smith, is $5000.00. Sadtler pays to the Coblentz Society 50% royalty on the first 100 of each set, or $5000.00. Sales above 100 on each set return 30% royalty to the Coblentz Society; it is from these 30% rates that all our profit derives. So far, sales in excess of the 100 per set for all sets are

\[
\frac{73 - 388}{1000}, \text{ or } \$2,201.64 \text{ profit.}
\]

Sadtler has received orders for 47 copies of set 4 to date, has remitted to the Coblentz Society $500.00 on set 4 receipts to date. This is equivalent to a deficit of $4500.00 on set 4 at this date. Orders for set 4 are proceeding, and we shall expect that over 100 copies will be sold by the end of the year.

100 spectra (cost of $500.00) have been prepared for set 5 to date.

(2) Coblentz reprints:

On 6-27-63, $1452.94 was remitted to Perkin-Elmer to pay for reprints thus far distributed by the Coblentz Society. Since that date $1229.20 has been collected by the Coblentz Society which eventually must be paid to Perkin-Elmer.