

NEWSLETTER

EDITOR'S COMMENTS

The Coblentz Society continues to grow and expand. This newsletter is your link with the rest of the Society. You are welcome to contribute articles and comments for those items or events that you wish to broadcast. The next due date for newsletter submissions is May 1st for the August issue. Regardless of the number of contributions we will always be printing the events and progress of the Society so you can keep in touch with the board members and officers. Newsletter requests can be mailed directly to the newsletter editor as noted in the officer section at the end. Be sure to look for the "Coblentz Society Newsletter" in every February and August issue of *Applied Spectroscopy*.

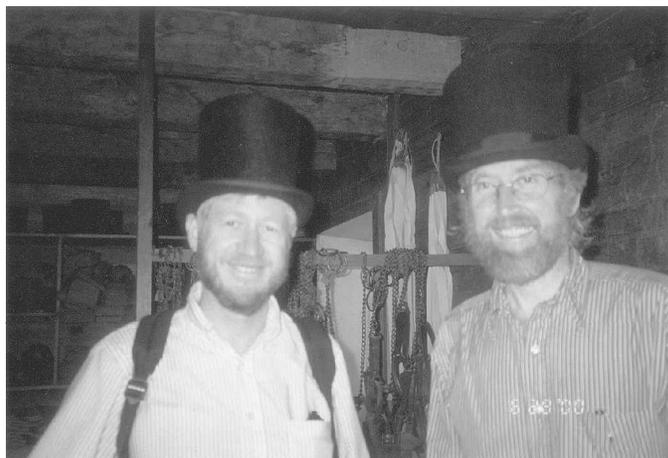
KATHY KALASINSKY

PRESIDENT'S MESSAGE

The meeting of the Coblentz Society Board of Managers at FACSS in Nashville, Tennessee, this last September benefited greatly from the changes in the by-laws of the Society that were approved unanimously by the members present at our annual meeting in New Orleans. In the first implementation of the changes in the by-laws, the new president elect of the Society was nominated and unanimously elected by the Board of Managers through a vote by e-mail. John Hellgeth is the new president elect of the Coblentz Society. John will serve as president elect for this next year, and will take over as president after the Pittsburgh Conference in March 2001. John has served for two and a half years as a member of the Board of Managers and has been chair of both the Membership and the Coblentz Award Committees. I look forward to John's help in directing the activities of the Society in the next year and beyond. In another implementation of the changes in the by-laws, we were able to achieve a quorum at the Fall meeting of the Coblentz Society Board of Managers by giving those board members not able to travel to Nashville the opportunity to designate an alternate. The alternate has voting privileges at the board meeting and is selected by the absent manager from the set of managers who have completed their term in the Society within the last five years or from the current treasurer, secretary, or past president.

A new activity for us this fall was to become a sponsoring organization for the Eastern Analytical Symposium and Exposition. Last December, the Eastern Analytical Symposium Board unanimously accepted our application for sponsorship. Jim Rydzak was the Coblentz Society representative at the EAS board meetings. Our first task in this new arrangement included organizing a symposium on vibrational spectroscopy at the EAS meeting in Atlantic City, New Jersey, held October 29 through November 3, 2000. Bob Messerschmidt organized this first EAS Coblentz symposium, and I think everyone enjoyed his session, entitled "FT-IR Accessories for Solving Analytical Problems".

One of my goals as president of the Coblentz Society was to elevate our Web site to such a level that vibrational spectroscopists would consider Coblentz.org as the first site to examine for finding information related to vibrational spectroscopy. After last year's loss of many hours of improvements in the Society's Web page due to a computer crash, my son Ryan started reconstructing the Web page changes this summer. Due to the fact that he was separately employed this summer, the progress has been slow, but we are now close to releasing the new Coblentz Web page. The changes in the pages include links to sites of interest to vibrational spectroscopists



Coblentz President David Haaland (L) and Past-President Larry Nafie (R) both sport top hats at the Spectroscopy Conference in Winnipeg this past June.



Scenes from the Coblenz Board meeting: (L to R) Barry Streusand, Dave Haaland (Coblenz Society President), and Jim Rydzak.

such as links to conferences, spectrometer and accessory manufacturers, software distributors, spectral libraries, chemometrics sites, organizations, publications, and spectral utilities. I must admit that I am now the limiting factor since I need to find the time to verify and check the relative completeness of the links. Hopefully, this process will be completed a few months after FACSS, and visits to the www.coblenz.org site will be rewarded by these upgrades. I again request that every member of the Society send me (dmhaala@sandia.gov) names of Web sites that they find useful in their pursuit of vibrational spectroscopy. So far only James Duckworth from Galactic Industries has submitted suggestions concerning Web sites. Please check your "bookmarks" or "favorites" and send me the names of Web sites that you have found useful in your pursuit of vibrational spectroscopy activities.

Another area of interest to the Society in general and to me in particular is the infrared database that is being generated through the joint cooperative research and development agreement (CRADA) between the Coblenz Society and NIST. This infrared library consists of some 8500 gas-phase digital IR spectra from NIST and ~ 10500 spectra digitized from the Coblenz Society database. The digitized database is now complete. Unfortunately, the release of the digitized library is on hold while the Inspector General's auditors review the CRADA and the role of the government in cooperating with the Coblenz Society in this endeavor. We expect resolution of these issues shortly.

In my position as the new president of the Coblenz Society, it is my responsibility to make various committee assignments for the Society. I have again been extremely gratified that almost everyone whom I have asked to serve the Society has willingly agreed to the requested assignment. I wish to thank those who have finished their service to the Society on these various committees. I welcome those members who will now be joining these committees. Most of these assignments are for a three-year period. The former and future committee assignments are listed below.

Coblenz Award Committee: Pat Treado was chairman for the 2001 award and will end his three-year assignment this year along with committee member Mike

Pelletier. Patti Lang will be a new member of this award committee.

Williams–Wright Award Committee: Curt Marcott served as chairman of the committee for the 2001 award. Hector Casal will become chairman for the 2002 award. Steve Lowry and Tom Hancewicz replace Curt and Jim Rydzak on the committee.

Bomem–Michelson Award Committee: John Coates was chairman for the 2001 award. Tom Niemczyk will be the chairman for the 2002 award. New committee members Jim Franke and J. D. Tate will replace John Coates and John Chalmers.

Lippincott Award Committee: Mike Pelletier will replace Kathy Kalasinsky as one of two Coblenz representatives on the Lippincott Award Committee.

Award Winners: New award winners have been selected for the 2000 Lippincott Award, the 2001 Williams–Wright Award, and the 2001 Bomem–Michelson Award. The winner for the 2000 Lippincott Award is Donald Levy. This award was presented at the annual OSA award ceremony Oct. 23, 2000, in Providence, Rhode Island. Raul Curbelo was selected to receive the 2001 Williams–Wright Award. Curt Marcott chaired the selection committee and will present the award to Raul at the Pittsburgh Conference in New Orleans in March 2001. Larry Nafie was selected for the 2001 Bomem–Michelson Award. John Coates chaired the selection committee and will present the award to Larry also at the Pittsburgh Conference in New Orleans.

In addition to these awards, we have student awards sponsored by the Coblenz Society. We will send requests for nominations for these student awards in early January with the ballots for the Board of Managers election. Please consider nominating deserving students for these Coblenz student awards.

If you are wondering how you can contribute to the Coblenz Society, we are continually looking for new volunteers for tending to the Coblenz Society booth at the Pittcon, FACSS, and now EAS conferences. The booth serves to advertise the Coblenz Society and to attract new members. The larger the membership of the Society, the more influence it has in supporting and promoting the field of vibrational spectroscopy. In your role as a member of the Society, I ask for you to volunteer for booth duty at the conference. It's a great opportunity to meet fellow vibrational spectroscopists and to help your organization grow and prosper.

In conclusion, I look forward to another few months as president of the Society. With the cooperation and help of so many members and volunteers, I hope to see the Society continue to flourish and to foster the understanding and application of vibrational spectroscopy.

DAVE HAALAND

INTERNATIONAL CONFERENCE UPDATE

The International Conference in Advanced Vibrational Spectroscopy, ICAVS, is a new conference series that has been formed by merging two successful series, ICoFTS and AIRS. The first conference of the series, ICAVS-1, which combines ICoFTS-13 and AIRS-IV, will be held in Turku, Finland, August 19–24, 2001. The program will consist of invited plenary lectures, contributed papers



Arlene Garrison (L) and Barry Streusand (R) enjoy the cookie bar at the Coblenz Board meeting this past fall at the FACSS Conference in Opryland.

presented in poster sessions, and young scientists' presentations. A pre-conference course is also planned. The plenary lectures will provide up-to-date reviews of instrumental and analytical aspects of vibrational spectroscopy. Contributed papers are invited from all areas of vibrational spectroscopy and include the following: analytical and industrial applications, biomedical and biochemical applications, instrumental aspects, microscopic techniques and imaging, surface and materials, and time-resolved spectroscopy, to name a few. For more information, view the Web site, <http://www.abo.fi/icavs>, or e-mail icavs@abo.fi.

COBLENTZ STUDENT AWARD WINNERS

The Coblenz Society congratulates its student award winners for their work in the field of vibrational spectroscopy.

Mr. Sivashankar G. Sivakolundu
(Dr. Patricia Ann Mabrouk, advisor)
Department of Chemistry
Northeastern University

Mr. Kris Lange
(Dr. James A. Phillips, advisor)
Department of Chemistry
University of Wisconsin-Eau Claire

Mr. Michael Shane Hutson
(Dr. Mark Braiman, advisor)
Department of Chemistry
Syracuse University

Mr. Robert A. Lacey
(Dr. Robert A. Condrate, Sr., advisor)
School of Ceramic Engineering and Materials Science
Alfred University

Ms. Vanessa Oklejas
(Dr. Joel M. Harris, advisor)
Department of Chemistry
University of Utah

CALL FOR NOMINATIONS FOR THE COBLENTZ SOCIETY'S AWARDS

The Coblenz Society requests nominations for the prestigious awards it supports:

Coblenz Award. The Coblenz Award is presented annually to an outstanding young molecular spectroscopist under the age of 36. The candidate must be under the age of 36 on January 1 of the year of the award. Previous recipients of this award are: John Overend (1964), William Fateley/Robert Snyder (1965), Edwin Becker (1966), Peter Krueger (1967), Jon Hougen (1968), James Durig (1969), Guiseppi Zerbi (1970), Clive Perry (1971), George Leroi (1972), C. Bradley Moore (1973), C. K. N. Patel (1974), Bernard J. Bulkin (1975), Geoffrey Ozin/George Thomas, Jr. (1976), Peter Griffiths (1977), Lester Andrews (1978), Lionel Carreira (1979), Richard Van Duyne (1980), Laurence Nafie (1981), Christopher Patterson (1982), Dave Cameron (1983), Steve Leone (1984), John Rabolt/Graham Fleming (1985), Joel Harris (1986), Alan Campion (1987), Keith Nelson (1988), Geri Richmond (1989), Hai-Lung Dai (1990), Paul Bohn (1991), Tom Rizzo (1992), Peter Felker (1993), Paul Alivisatos (1994), David J. Rakestraw (1995), Xiaoliang Sunney Xie (1996), Mounqi Bawendi (1997), Pat Treado (1998), Brooks Pate (1999), Martin Gruebele (2000).

The award carries with it a \$2000 prize plus a \$500 travel allowance. Files of candidates will be kept active until the date of age eligibility is exceeded. Annual updates of files of candidates are encouraged.

Nominations, which should include a detailed description of the nominee's accomplishments, a curriculum vitae, and as many supporting letters as possible, must be submitted to the award chairman [Dr. Pat Treado, ChemIcon, Inc., 7301 Penn Avenue, Pittsburgh, PA 15208; phone (412)-241-7335; fax (412)-241-7311; e-mail treado@chemimage.com] on or before July 1.

Williams-Wright Award. This award is presented annually at the Pittsburgh Conference to an industrial spectroscopist who has made significant contributions to vibrational spectroscopy while working in industry. The work may include infrared and/or Raman spectroscopy and instrumental development, as well as theory and applications of vibrational spectroscopy. Government labs are not considered industry in this definition. No restrictions are placed on the selection of the awardee because of age, sex, or nationality, but the awardee must still be working at the time the award is presented. The nominating document should clearly state the significance of the contribution made by the nominee, e.g., the introduction of novel methods, techniques or theories; innovative work in the field of vibrational spectroscopy; significant improvement on existing methods, theory, or techniques; or important impact on the field of vibrational spectroscopy arising from the volume of contributions in a specific area. The nomination should include a resume of the nominee's career and highlight the accomplishments with respect to any publications and talks. Seconding letters to the nomination are useful, but not necessary. Files on nominees will be kept active for three years, after which either the candidate must be renominated with an updated file or the file will be closed.



Many hard-working Coblenz members at the Board meeting this past fall at the FACSS Conference in Opryland: (L to R) Dave Schiering, Secretary (seated), Bob Messerschmidt, Board Member (standing), Arlene Garrison, Past President (standing), John Hellgeth, President-Elect (seated), and Barry Streusand, FACSS delegate (standing).

Previous recipients of the Williams–Wright Award are: Norman Wright (1978), Norman Colthup (1979), Jeanette Grasselli (1980), Paul Wilks/James Harrick (1981), Robert Hannah (1982), Harry Willis (1983), Robert Jakobsen (1984), Clara D. Craver/Richard A. Nyquist (1985), Abe Savitzky/Joseph J. Barret (1986), A. Lee Smith (1987), Darwin L. Wood (1988), D. Bruce Chase (1989), John F. Rabolt (1990), Robert J. Obremski (1991), Timothy Harris (1992), Curtis Marcott (1993), John M. Chalmers (1994), Michael R. Philpott (1995), Bob Messerschmidt (1996), Michael J. Pelletier (1997), Henry Buijs (1998), Don Kuehl (1999), John Reffner (2000), Raul Curbelo (2001).

This award includes a \$2000 cash prize plus \$500 toward travel expenses to the Pittsburgh Conference. Nominations should be sent to the Chairman of the Williams–Wright Award Selection Committee [Dr. Hector Casal, DHC Analysis, Inc., 3645 Warrensville Center Rd., #325, Cleveland, OH 44122; phone (216)-295-0755; fax (216)-295-1887; e-mail casal@dhcanalysis.com] before February 1.

Bomem–Michelson Award. This award is dedicated to the memory of Professor A. E. Michelson, developer of the Michelson interferometer. Bomem, Hartman & Braun sponsors the award to honor scientists who have advanced the technique(s) of vibrational, molecular, Raman, or electronic spectroscopy. Contributions may be theoretical or experimental, or both. The recipient must be actively working and may be associated with the academic, industrial, governmental, or private sector. The awardee must be 37 years of age or older. The award consists of a crystal symbol of the Bomem–Michelson award and an honorarium. In order to ensure that the award is based on an independent evaluation of the candidate's achievements, the selection is made by a committee chosen by the Coblenz Society. The presentation will be made at the Pittsburgh Conference.

Previous recipients of the Bomem–Michelson Award are: Thomas G. Spiro (1987), Carl Linberger (1988), Richard J. Saykally (1989), William Klemperer (1990), Alan Pine (1991), Jyrki Kauppinen (1992), Jack L. Koenig

(1993), Herbert L. Strauss (1994), Terry Miller (1995), Ira Levin (1996), William H. Woodruff (1997), Bruce Chase (1998), Sandy Asher (1999), John F. Rabolt (2000), Larry Nafie (2001).

The nomination should include a resume of the candidate's career as well as the special research achievements that make the candidate an eligible nominee for the Bomem–Michelson Award. Files on nominees will be kept active for three years, after which either the candidate must be renominated with an updated file or the file will be closed. The nominating letter and supporting letters should be sent to: Dr. Tom Niemczyk, Department of Chemistry, University of New Mexico, Albuquerque, NM 87131; phone (505)-277-5319 and fax (505)-277-2609. Nominations will close March 31.

Ellis R. Lippincott Award. The purpose of the Ellis R. Lippincott Award is to honor Dr. Lippincott's memory by the recognition of significant contributions and notable achievements in the field of vibrational spectroscopy. The medal is sponsored jointly by the Coblenz Society, the Optical Society of America, and the Society for Applied Spectroscopy. It is awarded annually at an appropriate scientific meeting. The award consists of the medal and travel allowances to the meeting. The awardee will present an address related to contributions for which he/she is being honored. In addition there may be a symposium of talks by invited speakers.

Recipients of the medal must have made significant contributions to vibrational spectroscopy as judged by their influence on other scientists. Because innovation was a hallmark of the work of Ellis R. Lippincott, this quality in the contributions of the candidates will be carefully appraised. The contributions may be theoretical or experimental or both, and may have been made in the course of applied as well as basic research.

No restriction is placed on the citizenship or national origin of candidates. A candidate need not be a member of any of the sponsoring societies. The award will not be made posthumously unless an awardee should die after the procedure of selection has been completed.

Previous recipients include: Richard G. Lord (1976), Lionel Bellamy (1977), Bryce Crawford, Jr. (1978), E. Bright Wilson (1979), George C. Pimentel (1980), Ian Mills (1981), Michel Delhaye (1982), John Overend (1983), Jon T. Hougen (1984), Ira W. Levin (1985), Wolfgang Kaiser (1986), C. Bradley Moore (1987), Andreas C. Albrecht (1988), Marilyn E. Jacox (1989), Robert W. Fields (1990), Richard J. Saykally (1992), John F. Rabolt (1993), Herbert L. Strauss (1994), Giacinto Scoles (1995), Giuseppe Zerbi (1996), Robin Hochstrasser (1997), Takeshi Oka (1998), Mitsuo Tasumi (1999), Donald Levy (2000).

Nominations should contain the name and affiliation of the nominee and sufficient background information to justify the nomination. A nominator is expected to believe sufficiently strongly in the quality of the work of his or her candidate to provide evidence for that belief. No restriction is placed on who may nominate, and all nominations received by the committee prior to October 1 in any given year will be considered for the award to be presented in the following year. Files on nominees are kept active for three years, after which either the candidate must be renominated with an updated file or the file



Scene inside the Opryland Hotel in Tennessee where the FACSS Conference and Coblentz Board meeting were held last fall.

will be closed. Nominations should be submitted to: Chairman, Lippincott Award Selection Committee, % Optical Society of America, 2010 Massachusetts Ave., N.W., Washington, D.C. 20036; phone (202)-416-1420; fax (202)-416-6134.

SOCIETY ANNOUNCEMENTS

Membership. Anyone wishing to join the Society may do so by sending \$10 to John Hellgeth, Coblentz Society Membership Chairman, 1330 Zephyr Court, Cummings, GA 30133.

Board Meeting. The Coblentz Society Board will hold its semi-annual meeting Monday evening, March 5th at the Pittsburgh Conference in New Orleans, LA. Any article of business that you want the board members to consider needs to be sent in writing to Dr. David Haaland, Coblentz Society President (see address at end of newsletter), prior to the conference.

Annual Meeting. The annual meeting of the Coblentz membership will be held prior to the Williams-Wright Symposium Tuesday afternoon, at the Pittsburgh Conference. Be sure to attend, since the general business of the Society will be conducted.

Wine & Cheese. The Coblentz Society wine and cheese reception will be held immediately following the Williams-Wright Symposium on Tuesday at the Pittsburgh Conference in New Orleans (in the symposium lecture room).

COBLENTZ SOCIETY BOARD

<u>Name</u>	<u>Term Expires</u>	<u>Telephone</u>
John Coates 12 North Branch Rd. Newtown, CT 06470	2001	(203)426-8495
Concetta M. Paralusz 1365 Carlisle Road North Brunswick, NJ 08902	2001	(732)828-9136

John Hellgeth The SRN Company, LLC. 1330 Zephyr Court Cumming, GA 30133	2002	(770)205-0607
Richard McCreery Ohio State University 100 West 18th Ave. Columbus, OH 43210	2002	(614)292-2021
Robert Messerschmidt Argose, Inc. 230 Second Ave. Waltham, MA 02451	2003	(781)890-6166
Andy Sommer Miami University Molecular Microspectro- scopy Laboratory Oxford, OH 45056	2003	(513)529-2874
Neil Lewis Spectral Dimensions, Inc. 3403 Olandwood Court, Suite 102 Olney, MD 20832	2004	(301)260-0290
Mike Pelletier Kaiser Optical Systems, Inc. P.O. Box 983 Ann Arbor, MI 48106	2004	(734)665-8083

COBLENTZ SOCIETY OFFICERS

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