

NEWSLETTER

No. 141

A Society for Applied Spectroscopy Affiliate
Editor: K. S. Kalasinsky

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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 November 1st for the February 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

This letter is my last official duty as the Coblentz President. This position was both challenging from an ad-

ministrative standpoint and rewarding in the ability to recognize outstanding scientists through the administration of our sponsored awards. I am happy to report that Bob Messerschmidt is now the president of the Society and I look forward to helping him as immediate past president. I would also like to thank the board and the membership for their support during my tenure. Special thanks go out to John Hellgeth (my immediate past president) for his guidance and Becky Dittmar, Neil Lewis, Mike Pelletier, and Jim Rydzak. These latter people served on the board and Becky and Jim kept me abreast of dealings with SAS and EAS, respectively. We also want to give a special thanks to Becky and Jim for their years of service as they rotate off the Board of Managers.

Much of the latest news deals with the events that took place at Pittcon, which was held in Orlando, Florida. I am happy to announce that the database project is nearly complete. A press release was issued at the Pittsburgh Conference announcing that ACD/Labs entered into an exclusive agreement with the Society to market and sell the Coblentz Society Spectral Collection throughout the world as an ACD/SpecManager database. I would like to



A momentous occasion at the Coblentz Wine & Cheese reception held at the Pittsburgh Conference in Orlando this past March: Bob Messerschmidt (newly elected President of the Coblentz Society) (L) and Val Kulkov (President of ACD/Labs) (R) signing the contract for the digitized Coblentz Database to be marketed and distributed world wide through ACD/SpecManager.



Andy Sommer conducting one of his last duties as the outgoing President of the Coblentz Society at the Society's annual business meeting in Orlando at the Pittsburgh Conference.



Andy Sommer (R), Coblenz Society President, presents an award to Bruce Chase (L) at the Coblenz Wine & Cheese Reception held at the Pittsburgh Conference in Orlando, recognizing his 23 years of service to the Society.

thank all of those involved with the database for their dedication and perseverance to see this project to fruition.

Awards that were presented at Pittcon included the Williams–Wright Award, which was presented to Dr. Fran Adar of Jobin Yvon, and the ABB Sponsored Bomem–Michelson Award, presented to Dr. Paul Bohn of the University of Illinois. The Society held its annual reception on Tuesday evening in the Enchanted Garden of the Double Tree Castle Hotel. At the reception, Bruce Chase was recognized for more than 23 years of service to the Society. Bruce served on the board from 1982 to 1987, as the president from 1985 to 1987, and as the Society's treasurer from 1989 until the close of the board meeting at Pittcon. Bruce will still serve the Society in an advisory roll as I take over the duties of the treasurer. Thanks once again, Bruce, for your dedication and guidance over the years.

Looking ahead, the Society will be supporting and participating in a number of international meetings throughout the remainder of the year. First up is the OSU International Symposium on Molecular Spectroscopy, which was held June 20–24. The Society presented the Coblenz Award to Dr. Sergey Nizkorodov of the Department of Chemistry, University of California, Irvine. This year marks the 60th Anniversary of the Symposium and the Society participated in the celebration. It was at this meeting that the Coblenz Society was organized some 51 years ago. In August the Society will be sponsoring the International Conference on Advanced Vibrational Spectroscopy to be held August 14–19 in Delavan, Wisconsin. The Society has a significant stake in this meeting, so please come out and support it.

Later in the fall the Society will be sponsoring a variety of symposia at the FACSS and EAS meetings. At FACSS the Society will be awarding Dr. Jaan Laane, Professor of Chemistry at Texas A&M University, with the 2005 Lippincott Award. FACSS will be held this year in Quebec City, Canada, October 9–13. A schedule of the plenary lecture and symposium is provided below. Plans for EAS include both sponsored symposia and the annual



Andy Sommer, Coblenz Society President (R), presents the Williams–Wright Award to Fran Adar of Jobin Yvon Horiba at the Pittsburgh Conference in Orlando this past March.

reception. Please mark your calendars for this meeting, which will be held in Somerset, New Jersey, November 14–17.

Jaan Laane will present a Plenary Lecture on Monday afternoon at 2:00 P.M. (October 10), “Spectroscopic Determination of Molecular Structures in Ground and Excited Electronic States.” The Lippincott Award Symposium will immediately follow at 2:30 P.M.

Speakers include:

Paul Jagodzinski, Professor and Head, Department of Chemistry, Colorado School of Mines

Manfred Winnewisser, Physics/Chemistry, Ohio State University

Walter Lafferty, NIST

Charles Parmenter, Department of Chemistry, Indiana University

James R. Durig, Department of Chemistry, University of Missouri–Kansas City

Norman Craig, Department of Chemistry, Oberlin College

In closing, should you have any suggestions or concerns regarding the Society, please feel free to contact us. As I have said throughout my tenure, the biggest asset the Society has is its members. Through their collective knowledge, support, and dedication to the field, the Coblenz Society continues to thrive. I thank you all for your efforts and look forward to serving as your treasurer.

ANDRÉ J. SOMMER

IMMEDIATE PAST PRESIDENT AND TREASURER

CALL FOR NOMINATIONS FOR THE COBLENTZ SOCIETY'S AWARDS

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

COBLENTZ 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.



The Williams–Wright Award Symposium at the Pittsburgh Conference in Orlando featured (left to right, front row) Nancy Klymko (speaker, IBM Corporation), Fran Adar (Awardee, Jobin Yvon Horiba), Ruth Geiger (Jobin Yvon GmgH), (left to right, back row) John Reffner (speaker, Smiths Detection), Mike Carrabba (speaker, Hach Homeland Security), and Andy Sommer (Coblentz Society President). (Missing from picture: Paul Dhamelincoirt, speaker, Lille 1 University)

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), Mounji Bawendi (1997), Pat Treado (1998), Brooks Pate (1999), Martin Gruebele (2000), Stacey Bent (2001), Andrei Tokmakoff (2002), Andrea Callegari (2003), and Sergey Nizkorodov (2004).

The award carries with it a \$2,000 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. Curt Marcott, Proctor & Gamble Co., Miami Valley Labs Box 538707, Cincinnati, OH 45253-8707; phone (513) 627-2806; fax (513) 627-0655; e-mail marcott.ca@pg.com] on or before September 1st.

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



Henry Buijs (L) of ABB presents the Bomem–Michelson Award to Paul Bohn (R) of the University of Illinois at Urbana, in Orlando at the Pittsburgh Conference this past March.

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 accomplishments and any publications and talks. Seconding letters to the nomination are useful, but not necessary.



The Bomem–Michelson Award Symposium at the Pittsburgh Conference in Orlando featured (front row, left to right) Richard Crooks (Speaker, Texas A&M), Henry Buijs (award presenter, ABB), Paul Bohn (Awardee, University of Illinois at Urbana), Bruce Chase (speaker, Du Pont), (back row, left to right) Robin Garrell (speaker, University of California at Los Angeles), and Robert Corn (speaker, University of California at Irvine).



Three long-time members and supporters of the Coblenz Society, Jack Koenig, Clara Craver, and Jimmie Brasch, at the Coblenz Williams–Wright Award Symposium held at the Pittsburgh Conference in Orlando.

Files on nominees will be kept active for three years, after which the candidate must either be renominated with an updated file or the file will be closed.

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), Isao Noda (2002), Neil Everall (2003), Neil Lewis (2004), and Fran Adar (2005).

This award includes a \$2,000 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. Don Pivonka, AstraZeneca Pharmaceuticals, NLW-3047, 1800 Concord Pike, Wilmington, DE 19850; phone (302) 886-8392; fax (302) 886-5382; e-mail: don.pivonka@astrazeneca.com] before March 1st.

BOMEM–MICHELSON AWARD. This award is dedicated to the memory of Professor A.E. Michelson, developer of the Michelson interferometer. ABB sponsors the award to honor scientists who have advanced the technique(s) of vibrational, molecular, Raman, or electronic spectroscopy. Contributions may be theoretical, experimental, or both. The recipient must be actively working and may be associated with the academic, industrial, government, or private sector. The Awardee must be at least 37 years of age. 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 Cob-

lenz 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), Dan Neumark (2002), Peter Griffiths (2003), Dave Haaland (2004), and Paul Bohn (2005).

The nomination should include a resume of the candidates' career as well as the special research achievements that make the candidate an eligible nominee for the ABB sponsored Bomem–Michelson Award. Files on nominees will be kept active for three years, after which the candidate must either be renominated with an updated file or the file will be closed. The nominating letter and supporting letters should be sent to: Dr. Christine Wehlburg, MITRE Corp., MS T630, 7515 Colshire Drive, McLean, VA 22102-7508; phone (703) 883-6081 and fax (703)-883-6989; email cwehlburg@mitre.org. Nominations will close March 31st.

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, 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 the 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, 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), Lester Andrews (2001), Sandford Asher (2002), Shaul Mukamel (2003), Richard Mathies (2004), and Jaan Laane (2005).

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 the candidate must be renominated with an updated file or the file 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 Dr. Richard Larsen, Coblentz Society Membership Chairman, 6807 Gravel Branch Rd., Hurlock, MD 21643-3747.

Board Meeting. The Coblentz Society Board will hold its semi-annual meeting the second week in October at the FACSS Conference in Quebec City, Canada. Any article of business that you want the Board members to consider needs to be sent in writing to Bob Messerschmidt, Coblentz Society President (see address at end of newsletter), prior to the conference.

Board Members. Two new board members are elected by the Society each year. Please send nominations for the term 2005–2008 to Coblentz Society President Bob Messerschmidt (see address at end of newsletter) by September 1st.

Honorary Members. The Society is awarding honorary memberships in the Society to people who have made outstanding contributions to the field of Spectroscopy. Send your nomination for 2005 to Bob Messerschmidt, Coblentz Society President (see address at end of newsletter), prior to September 1st.

COBLENTZ SOCIETY BOARD

<u>Name</u>	<u>Term Expires</u>	<u>Telephone</u>
Mary Carrabba 508 Gold Terrace Rogue River, OR 97537	2006	(541)582-2399

Jerry Workman 299 Cypress Street Brookline, MA 02445	2006	(617)879-0783
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