

NEWSLETTER

No. 139

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

August 2004

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 year the Coblentz Society is Celebrating its 50th Anniversary and the celebration began at the Pittsburgh Conference and Exposition in Chicago. The Pittsburgh Conference Committee provided us with additional booth space, which permitted us to have our normal exhibit in addition to an historical exhibit. The historical exhibit included a biographical sketch of William Weber Coblentz, a collection of his works, and the Milestones of the Coblentz Society. For those of you that were unable to attend the Pittsburgh Conference, the exhibit will be traveling to FACSS and the EAS Symposium.

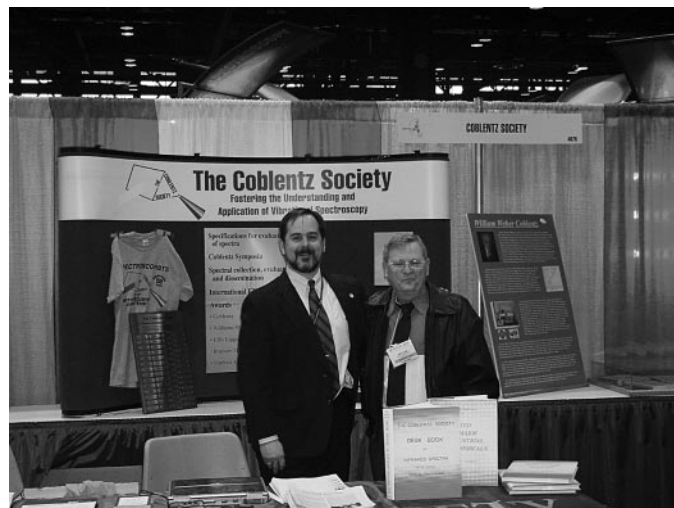
In addition to the booth, a special symposium was held in recognition of the 50th Anniversary of the Society. This symposium focused on the past, present, and potential future advances in Vibrational Spectroscopy. Speakers included myself, Clara Craver, Bob Hannah, Peter Griffiths, Paul Wilks, Ira Levin, Fran Adar, John Rabolt, Curt Marcott, and John Reffner. Each speaker reflected upon the Society and its contributions to the field of vibrational spectroscopy.

On Tuesday evening the Society held its annual reception, which was graciously sponsored by ABB, Bruker, the Molecular Microspectroscopy Laboratory, Perkin Elmer, PIKE Technologies, SensIR Technologies, Spectral DIMENSIONS, and Thermo. I would like to express my gratitude to those sponsors for helping us make the re-

ception a success. At the reception Dr. Clara Craver was recognized for 50 years of service to the Coblentz Society. A plaque was presented to her with the following inscription: "The Coblentz Society extends a special tribute to Dr. Clara Craver in recognition of Fifty Years of Dedicated Service personifying the Coblentz Tradition of Excellence". As you well know, Clara has been the one constant force throughout the history of the Society, and the board felt it was more than befitting to recognize her efforts. Congratulations once again, Clara!

As I noted earlier, the celebration will continue at both FACSS and the EAS Symposium. Other events planned at these meetings include a half-day Vibrational Imaging Symposium set up by Christine Wehlburg at FACSS and four half-day symposia on Imaging and Raman spectroscopy at EAS. The Coblentz Society will again be hosting a reception at the EAS Symposium, which was a big success the previous year.

With respect to the operation of the Society, I am pleased to announce that Bob Messerschmidt has been selected as President Elect. Bob is a recent board member and has been the Chair of Student Affairs for the past several years. Bob will assume his official duties at the



Dave Trimble (L) and Roy Cain man the Coblentz Society booth at the Pittsburgh Conference in Chicago this past March.



The Coblenz Society's special 50th anniversary symposium at the Pittsburgh Conference featured (back row, L to R) Peter Griffiths (speaker, University of Idaho), John Reffner (speaker, SensIR Technologies), Paul Wilks (speaker, Wilks Enterprise, Inc.), Andy Sommer (speaker, Coblenz Society President), John Rabolt (speaker, University of Delaware), Curt Marcott (speaker, Procter & Gamble Co.), (front row, L to R) Ira Levin (speaker, National Institutes of Health), Clara Craver (speaker, Craver Chemical Consultants), and Bob Hannah (speaker, retired). (Missing from photo: Fran Adar, speaker, Jobin Yvon.)

end of next year's Pittsburgh Conference. Bruce Chase has notified the board of his wishes to step down as Treasurer of the Society. At the March meeting the board elected me to succeed Bruce when my duties as president end. At this time, I would like to thank Bruce for his years of dedicated guidance and financial stewardship of the Society. I wish to welcome Christine Wehlburg and Ian Lewis as new members to the Coblenz Society Board, and to thank Mike Pelletier and Neil Lewis for their four years of service. A special note of thanks goes to Christine Wehlburg for setting up the Coblenz reception and handling the booth arrangements at the Pittsburgh Conference.

In other news, the Society membership now stands at 913 and the improving economy has buffered our endowment. We will still keep a close watch on the budget, but we remain committed to sponsoring professional meetings and keeping membership rates reasonable. The board and myself are very grateful to those organizations and individuals who have made monetary donations to the Society. Please keep in mind that these donations are tax deductible. I am pleased to announce that the infrared database is up to 9634 validated spectra. We are currently evaluating spectral viewers and investigating distribution and marketing plans. Finally, we continue to work with the organizing committee of ICAVS-3 and plan to support this conference, which will take place in Delavan, Wisconsin, in August of 2005.

In closing, should you have any suggestions or concerns regarding the Society or the 50th anniversary celebration, I am more than willing to listen. As I mentioned in my address at the Pittsburgh Conference, 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



Two long-time members and supporters of the Coblenz Society, Clara Craver and Paul Wilks, enjoy themselves at the Coblenz Wine & Cheese reception held at the Pittsburgh Conference in Chicago.

for your efforts and look forward to seeing you at the 50th anniversary celebrations.

ANDRÉ J. SOMMER
COBLENTZ SOCIETY PRESIDENT

COBLENTZ SOCIETY STUDENT AWARDS

The Coblenz Society would like to recognize those outstanding students who have been selected to receive the Coblenz Student Award for excellence in vibrational spectroscopy: Clifford Raynor, Long Island University, advisor Dr. Joan E. Shields; Changning Guo, Syracuse University, advisor Dr. Laurence A. Nafie; Peter B. Tarsa, Princeton University, advisor Professor Kevin Lehman; Robert Sproles, University of Arkansas at Little Rock, advisor Dr. Keith Hudson; Andrew Callender, University of Michigan, advisor Professor Michael D. Morris; Edita Botonjic, University of Rhode Island, advisor, Professor Chris Brown; and Georgia Kandilioti, FORTH-ICEHT (Patros,Greece), advisor Professor Vasilis G. Gregoriou.

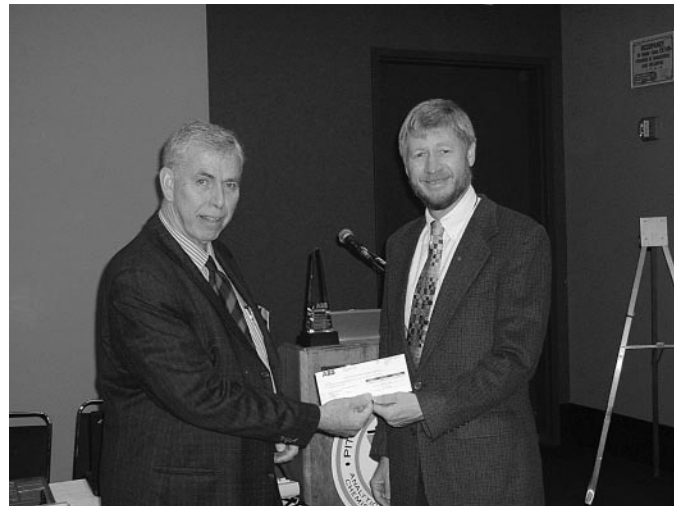
CALL FOR NOMINATIONS FOR THE COBLENTZ SOCIETY'S AWARDS

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 Hougren (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



Andy Sommer, Coblenz Society President, presents an award to Clara Craver at the Coblenz Wine & Cheese Reception held at the Pittsburgh Conference in Chicago, recognizing her numerous and long-term contributions to the Society. Clara, we THANK YOU!



Henry Buijs (L) of ABB Bomem presents the Bomem-Michelson Award check to Dave Haaland (R), of Sandia National Labs, in Chicago at the Pittsburgh Conference this past March.

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), and Andrea Callegari (2003).

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. Curt Marcott, Procter & 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 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 nomina-

tion are useful, but not necessary. Files on nominees will be kept active for three years, after which the candidate must 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), and Neil Lewis (2004).

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. Rebecca Dittmar, 3M Company, 3M Center, Bldg 201-BS-07, Maplewood, MN 55144-1000; phone: (651)737-7701; fax: (651)733-0648; e-mail: bmdittmar@mmm.com) before March 1st.

Bomem-Michelson Award. This award is dedicated to the memory of Professor A. E. Michelson, developer of the Michelson interferometer. Bomem, Inc. 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, government, or private sector. The Awardee must be 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-

lantz 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), and Dave Haaland (2004).

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 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. Christine Wehlburg, MITRE Corp., MS T630, 7515 Colshire Drive, McLean, VA 22102-7508; phone: (703)883-6081; fax: (703)883-6989; e-mail: 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 Coblentz 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 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 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), Lester Andrews (2001), Sandford Asher (2002), Shaul Mukamel (2003), and Richard Mathies (2004).

Nominations should contain the name and affiliation of the nominee and sufficient background information to



The Bomem–Michelson Award Symposium at the Pittsburgh Conference in Chicago featured (from left to right) Henry Buijs (award presenter, ABB Bomem), Paul Gemperline (speaker, East Carolina University), Dave Haaland (Awardee, Sandia National Labs), Jack Koenig (speaker, Case Western Reserve University), Connie Paralusz (Bomem–Michelson Award chairman), and Peter Griffiths (speaker, University of Idaho). (Missing from photo: Michael Keenan, speaker, Sandia National Labs.)

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, c/o 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 first week in October at the FACSS Conference in Portland, Oregon. Any article of business that you want the Board members to consider needs to be sent in writing to Dr. André Sommer, 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 2003–2006 to Coblentz Society President, Dr. André Sommer (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 2004 to Dr. André Som-



Andy Sommer, Coblentz Society President (L), presents the Williams–Wright Award to Neil Lewis of Spectral Dimensions, Inc. at the Pittsburgh Conference in Chicago this past March.

mer, 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>
Becky Dittmar 3M Company 3M Center Bldg 201-BS-07 Maplewood, MN 55144	2005	(651)737-7701



The Williams–Wright Award Symposium at the Pittsburgh Conference in Orlando featured (left to right, back row) Becky Dittmar (Williams–Wright Award Chairman), John Reffner (speaker, SensIR Technologies), Neil Overall (speaker, Imperial Chemical Industries), Andy Sommer (Coblentz Society President), (left to right, front row) Curt Marcott (speaker, Procter & Gamble Co.), Neil Lewis (awardee, Spectral Dimensions, Inc), and Ira Levin (speaker, National Institutes of Health).

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MailStop UW2940
King of Prussia, PA 10406

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Jerry Workman 2006 (781)672-5677
Argose Incorporated
230 Seond Avenue
Waltham, MA 02451

David Himmelsbach 2007 (706)546-3233
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