

NEWSLETTER

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

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EDITOR'S COMMENTS

The Coblenz 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 Coblenz Society Newsletter in every February and August issue of *Applied Spectroscopy*.

KATHY KALASINSKY

PRESIDENT'S MESSAGE

The Pittsburgh Conference has come and gone, and there is a lot to report on for the Coblenz Society. Here are some of the Coblenz highlights from Pittcon:

One of the primary missions of this society is to support the community by sponsoring awards for outstanding achievements. The Society sponsors the Coblenz Award, given at the Ohio State Symposium, the Williams-Wright, and Bomem-Michelson Awards, given at Pittcon, and the Lippincott Award, given at either FACSS or ICAVS. Also, we give the Coblenz Student Awards each year.

This year at Pittcon, the Williams-Wright Award was given by Donald E. Pivonka to Harry Owen of Kaiser Optical Systems for his outstanding achievements in the development of Raman spectroscopy, including his work on the development of novel holographic optical components designed to enable the development of a new generation of compact and robust Raman instruments. 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.

The Bomem-Michelson award was presented to Pro-

fessor Robert W. Field, Department of Chemistry at MIT, by Christine M. Wehlburg. Professor Field is being honored for his contributions to the spectroscopy and structure of small molecules through the development of innovative, high-resolution laser techniques and theoretical formalisms. The symposium consisted of five talks covering topics in molecular species detection and identification ranging from interstellar chemistry to combustion to recycling bins.

I would like to add my congratulations to both of these outstanding scientists. Also presented at Pittcon were several other awards of interest to our Society. These include the 2006 Pittcon Heritage Award to Dr. Masao Horiba of HORIBA, Ltd., The Pittsburgh Spectroscopy Award to Professor Wolfgang Kiefer, and the Tomas P. Hirschfeld Award to Professor Roumiana Tsenkova. Vibrational spectroscopy is alive and well at the Pittsburgh Conference!

At our board of managers meeting at Pittcon, several points of progress were achieved. Here are some of my notes from the meeting in no particular order: The Society will share some activities with CNIRS, the Council for Near Infrared Spectroscopy, at the next Eastern Analytical Symposium. The Society is preparing ballots for



Christine Wehlburg (L) and Dave Trimble work the Coblenz booth at the Pittsburgh Conference in Orlando this past March.



A table of notables including Roy and Karen Cain (center) at the Coblentz Wine and Cheese reception at the Pittsburgh conference in Orlando this past spring.



Andy Sommer (L), Coblentz Society Past-President, is presented with a plaque of appreciation from Bob Messerschmidt, Coblentz Society President, at the Coblentz Wine & Cheese Reception held at the Pittsburgh Conference in Orlando.

the membership to choose two new board members. Board members Mary Carrabba and Jerry Workman have completed their terms now, and we need to fill these two vacancies. The board of managers will also be voting on a president-elect very shortly. Stay tuned! IR Courses, Inc. is the organization that puts on the annual infrared course at Bowdoin College in Maine each summer. IR Courses is now an affiliate of the Coblentz Society and we are happy to have this association. You can read more about the Bowdoin College course at <http://www.ircourses.org>. The Society also sponsors the Lord Lecture at the Bowdoin course through a \$500 annual grant.

In closing, I would very much like to thank all of our members for their continuing support. I want to especially thank those members who have sent in additional donations along with their annual dues. We are grateful for their support.

ROBERT G. MESSERSCHMIDT
PRESIDENT

COBLENTZ AT FACSS

Greetings! FACSS this year will be held at the Disney Contemporary Resort Hotel in Lake Buena Vista, Florida. The meeting is a bit earlier this year, starting September 24th and going through the 28th. The venue will be very interesting as we will have everyone together under one roof! For additional information please see the FACSS web site (<http://facss.org>) or contact the national office at 505-820-1648.

The Coblentz organized over 15 sessions, including those organized by:

Raman: Ian Lewis, Section Chair
Mid-Infrared: John Hellgeth, Section Chair
NIR: Katherine Bakeev, Section Chair
Process Analytical: Jim Rydzak, Section Chair

Again the Raman and SAS mixers will be held on Tuesday nights for the spectroscopy crowd to gather and enjoy what the Disney hotel has to offer.

Additionally, there will be free shuttles from the airport to the hotel this year through Disney's Magical Express service.

It's shaping up to be a FACSS to remember this year. Hope to see you all there!

JIM RYDZAK

COBLENTZ AT EAS 2006

EAS 2006 will again feature lots of Spectroscopy as well as the other staples of EAS (see website for details, www.eas.org). The conference will again be held in the Garden State Convention Center, this year from November 13th to the 16th. The sessions organized by Coblentz include:

Raman, 2 half-day sessions

Process Analytics Using Raman Spectroscopy
Why I Should Acquire Raman

IR

The Role of Vibrational Spectroscopy in Solid-State Characterization of Drugs
Novel NIRS Application and Processing

Vibrational Imaging

Greater than 1000 points of light! Session 1
Greater than 1000 points of light! Session 2

We will again have our EAS Coblentz reception on Monday evening at 6 PM. This is always a nice time to sit, have some food and drink, and catch up with colleagues.

So we are looking forward to seeing you at the EAS conference!

JIM RYDZAK

CALL FOR NOMINATIONS FOR THE COBLENTZ SOCIETY'S AWARDS

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



Henry Buijs (L) of ABB presents the Bomem–Michelson Award to Robert W. Field of the Massachusetts Institute of Technology, with Bob Messerschmidt (R), Coblenz Society President, in Orlando at the Pittsburgh Conference this past March.



Harry Owen of Kaiser Optical System (center) is presented the Williams–Wright Award by Bob Messerschmidt, Coblenz Society President (R), along with Don Pivonka, Williams Wright Symposium Chairman (L), at the Pittsburgh Conference in Orlando this past March.

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. 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), Stacey Bent (2001), Andrei Tokmakoff (2002), Andrea Callegari (2003), and Sergey Nizkorodov (2005).

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. Andy Sommer, Department of Chemistry and Biochemistry, Miami University, Oxford, OH 45056; phone (513) 529-2874; fax (513) 529-7284; e-mail: sommeraj@muohio.edu] 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 contri-

butions 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 nomination are useful, but not necessary. 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), Fran Adar (2005), and Harry Owen (2006).

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 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), Dan Neumark (2002), Peter Griffiths (2003), Dave Haaland (2004), Paul Bohn (2005), and Robert W. Field (2006).

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. Dave Tuschel, ChemImage Corp., 7301 Penn Ave., Pittsburgh, PA 15208; phone (412) 241-7335 and fax (412)-241-7311; email: tuschel@chemimage.com. 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, ex-

perimental, 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, Coblenz Society Membership Chairman, 6807 Gravel Branch Rd., Hurllock, MD 21643-3747.

Board Meeting. The Coblenz Society Board will hold its semi-annual meeting the fourth week in September at the FACSS Conference in Lake Buena Vista, Florida. Any article of business that you want the Board members to consider needs to be sent in writing to Bob Messerschmidt, Coblenz 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 2007-2010 to Coblenz 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 2007 to Bob Messerschmidt, Coblenz 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>
David Himmelsbach USDA/Russell Research Center 950 College Station Road Athens, GA 30605	2007	(706)546-3233
Don Pivonka AstraZeneca Pharmaceuti- cals NLW-3047 1800 Concord Pike Wilmington, DE 19850	2007	(302)886-8392
Ian Lewis Kaiser Optical Systems, Inc. 371 Parkland Plaza Ann Arbor, MI 48103	2008	(301)496-6844
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