

NEWSLETTER

No. 144

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

February 2007

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

2006 is turning out to be an exciting year for the Coblentz Society. The year has brought new projects, new challenges, and new opportunities. Our activities at both the FACSS meeting in Lake Buena Vista, Florida, and the EAS meeting in Somerset, New Jersey, were very successful and well attended. Membership is strong and the Society remains very active in the field of vibrational spectroscopy.

At the FACSS meeting, the Society was involved in a number of activities to support the meeting. In addition, we held a business meeting on Monday evening. The most notable discussion at the meeting revolved around the creation of a new Coblentz-sponsored award that will be presented at next year's FACSS meeting. Stay tuned for more details.

Looking into the future, we have a very exciting and busy year ahead of us. First up will be the Pittsburgh Conference in Chicago, where the Society will be presenting the Williams–Wright Award and the ABB-sponsored Bomem–Michelson Award. Please keep in mind that the annual business meeting will be held after the Bomem Michelson Award Symposium and the Coblentz reception will follow that evening. In addition, the Society will once again be exhibiting. Please stop by the booth and say hello, check your membership, or buy a T-shirt.

In June, the Ohio State University will be hosting the 62nd Annual International Symposium on Molecular Spectroscopy. The Coblentz Society will be presenting the Coblentz Award there. Also in June, the Coblentz Society will be supporting the International Conference on Advanced Vibrational Spectroscopy (ICAVS-4) to be held in Corfu, Greece.

I am most happy to announce the name of the Coblentz Society President-Elect, Mary Carabba. Mary has been an active Society member and recently finished her six-year term as a board member. Mary's term as President will begin at the upcoming Pittcon 2007.

In closing, I would very much like to thank all of our members for their continuing support. I want to espe-



Bob Messerschmidt, President of the Coblentz Society, conducts business at one of the Coblentz general meetings as President. Thanks Bob for all your hard work on behalf of the Society.



Bob Messerschmidt (L), President of the Coblentz Society, talks with many of spectroscopy's great scientist at the Coblentz mixer.

cially thank those members who have sent in additional donations along with their dues. We are grateful for your support.

ROBERT G. MESSERSCHMIDT
PRESIDENT

COBLENTZ SOCIETY STUDENT AWARDS

The Coblentz Society would like to recognize those outstanding students who have received the Coblentz Student Award for excellence in vibrational spectroscopy:

Mr. Gajendra Pratap Singh, Institución Catalana de Recerca i Estudis (Barcelona, Spain), advisor Prof. Dmitri Petrov

Mr. Håkan Wikström, Purdue University, advisor Prof. Lynne S. Taylor

Ms. Laura A. Kranendonk, University of Wisconsin-Madison, advisor Prof. Scott T. Sanders

Ms. Luisa M. Profeta, University of South Carolina, advisor Prof. Michael L. Myrick

Ms. Shrimati Balam, University of Connecticut, advisor Prof. Robert G. Michel

Ms. Staphanie Grice, Long Island University, advisor Prof. Joan E. Shields

EAS 2006 REPORT

Hello Coblentz Members!

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

NIR

Monday 9 AM: Novel NIR applications and Processing, by David Himmelsbach

IR

Monday 2 PM: The Role of Vibrational Spectroscopy in Solid-State Characterization of Drugs, by Pauline Leary

Tuesday 9 AM: Greater than 1000 Points of Light! Session 1, by Linda Kidder

Tuesday 2 PM: Greater than 1000 Points of Light! Session 2, by Linda Kidder

Raman, 2 half-day sessions

Thursday 9 AM: Process Analytics Using Raman Spectroscopy, by Ian Lewis

Thursday 2 PM: Why I Should Acquire Raman: The Unique Spatial and Chemical Capabilities of Raman Microscopy, by Andrew Whitley

Also of interest were two SAS Sessions on Wednesday Honoring Ira Levin:

Wednesday 9 AM: NY SAS Gold Metal Award Honoring Ira Levin

Wednesday 2 PM: NY SAS Gold Metal Award Honoring Ira Levin

Over 60 of you enjoyed our EAS Coblentz reception on Monday evening at 6 PM. This year it was cosponsored with ThermoInformatics and was held at the DoubleTree hotel. It was a great evening, with time to sit, enjoy some food and drink, and catch up with colleagues.

So if you missed out on the Coblentz reception at EAS, look for us at Pittcon 07.

JIM RYDZAK
COBLENTZ 2006 EAS REPRESENTATIVE

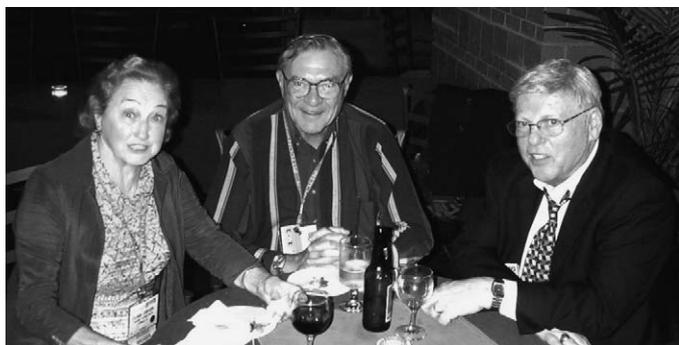
PLAN TO COME TO FACSS 2007 IN MEMPHIS!

New emphasis from Coblentz is going into the planning of the FACSS 2007 meeting this year. Linda Kidder has taken on a role to coordinate the COBLENTZ organized session for this and other conferences. Coblentz was represented at the new long-range planning committee meeting at FACSS 2006 and the conference was very successful.

The organizing committee of the **FACSS 2007** meeting invite you to join us next year in **Memphis, Tennessee, from October 14th to the 18th** for the 34th annual meeting. FACSS, an established international meeting, promotes great networking opportunities with colleagues in industry and academia, provides quality time to see and discuss what's new in commercial instrumentation at our Exhibition, and presents the best spectroscopic technical program held annually. The Technical program includes awards, as well as oral and poster papers in the areas of Atomic, IR and NIR, Mass, and Ra-



Mary Carabba, Coblentz President-Elect, talks with John Reffner at the Coblentz mixer. (See how many of the scientists in the background you can name!)



Clara Craver, Paul Wilks, and Howard Sloan (three great contributors to spectroscopy and the Coblenz Society) enjoying a chat at the Coblenz mixer.

man spectroscopies. Bioanalytical, Chemometrics, Imaging, Forensics, and Process Analysis are other key areas.

While in Memphis, come experience the Home of the Blues and the Birthplace of Rock 'n' Roll. Legendary artists such as B.B. King and W.C. Handy can be seen live on Beale Street. Beale Street, the downtown entertainment and culinary center of Memphis, is located only a few blocks away or a short, historic trolley ride from the convention center. Memphis offers a number of other destinations varying from Graceland, the home of Elvis Presley, to the Peabody Hotel and its ducks, to the FedEx arena for Memphis Grizzly's Basketball, as well as numerous unique museums.

FACSS is the annual National Meeting of the Society for Applied Spectroscopy. Our other participating sponsoring organizations include the American Chemical Society, Analytical Division; American Society for Mass Spectrometry; ANACHEM; Analysis Division of the Instrument Society of America; Coblenz Society; and the Royal Society of Chemistry. Each of these societies will be bringing their own special skills and insight into organizing focused technical symposia. Come join your society to listen, exchange, and learn at the FACSS meeting. We believe that you will glad you chose FACSS!

Driving distances to Memphis from some other cities:

- Atlanta 393 miles
- Chicago 536 miles
- Houston 573 miles
- Indianapolis 472 miles
- Kansas City, MO 526 miles
- Nashville 211 miles
- St Louis 284 miles

JIM RYDZAK
GOVERNING BOARD CHAIR

PAUL BOURASSA
GENERAL CHAIR

IAN R. LEWIS
PROGRAM CHAIR

MIKE CARRABBA
EXHIBITS CHAIR

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. Previous recipients of the Coblenz 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), Sergey Nizkorodov (2005), and Michael Strano (2006).

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-



What are these men doing holding this sign?? They are supporting the Coblenz Society, and it looks like they are having a good time at it as well!

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), Harry Owen (2006), and Michael Carabba (2007).

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), Robert W. Field (2006), and David Bocian (2007).

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 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; fax: (412)241-7311; e-mail: 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, 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 of the Ellis R. Lippincott Award are: 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), Jaan Laane (2005), and Hai-Lung Dai (2006).

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 Richard Larsen, Coblentz Society Membership Chairman, 6807 Gravel Branch Road, Hurlock, MD 21643.

Board Meeting. The Coblentz Society Board will hold its semi-annual meeting Monday evening, February 26th, at the Pittsburgh Conference in Chicago, Illinois. 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.

Annual Meeting. The annual meeting of the Coblentz membership will be held at the Pittsburgh Conference in Chicago. Check your program for the time and place. Be sure to attend, since the general business of the Society will be conducted.

Wine and Cheese Reception. The Coblentz Society wine and cheese reception will be held after the general business meeting at the Pittsburgh Conference in Chicago. Stop by the Coblentz Booth for time and place announcement for the reception.

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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Mark Druy Physical Sciences, Inc. 20 New England Business Center Andover, MA 01810	2009	(978)738-8195
Richard Larsen 6807 Gravel Branch Rd. Hurlock, MD 21643-3747	2009	(410)822-1220

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