

## NEWSLETTER

No. 152

A Society for Applied Spectroscopy Affiliate  
Editors: Francis W. L. Esmonde-White and David Heaps

March 2011

## EDITORS' COMMENTS

Over the past year the Coblentz Society has been working to concisely deliver relevant information about the Society. For members, the up-to-date reference information provided here and the information about recent events should help to keep you current with recent Coblentz society business. For non-members, we hope to give you some insight into why you might consider a membership in the society (and to learn about the awards Coblentz offers to even non-members). This Newsletter is one of many channels that the Society uses and is the Society's only printed resource. The spring Newsletter will appear in each March issue of *Applied Spectroscopy*. We have changed the publication date of the newsletter so that it will now be included in the printed copy of *Applied Spectroscopy* distributed at Pittcon. The fall Newsletter will also shift for probable inclusion in the October issue that is distributed each year at FACSS. For more frequent (and informal) electronic communications, Society members should visit the Coblentz site on LinkedIn and the Coblentz web site ([www.coblentz.org](http://www.coblentz.org)).

Last year we experienced a drought of award nominations. Surely this cannot be due to a lack of excitement about the prospect of giving or receiving prestigious awards? We hope that this anomaly is simply an indication of how hard members have been working to *foster the understanding and application of vibrational spectroscopy*. In that light, we are eagerly anticipating receipt of the many award nominations that must be in preparation. One of the primary vehicles toward fulfilling the goal of the society is to promote excellence by recognizing scientific contributions through awards; please help us in that aim!

This year we would like to begin a new phase in the Newsletter by introducing a personal perspective from society members. Of particular interest are photos and anecdotal stories from conferences and member gatherings throughout the year. While as Editors we wish that we could be at every conference, that is simply not possible. We think that a key aspect of better representing society activities throughout the year is through member submissions to the Newsletter. In addition, we welcome submissions from members regarding insightful discussions at conferences or those pointing out unresolved topics of general interest where community feedback would be beneficial.

We will also begin a "Lab Tips & Tricks" column in the Newsletter. This column will provide a forum in which methodology, procedures, and helpful experimental information can be shared, particularly for procedures not appropriate for a full manuscript. We anticipate submissions that are one paragraph to one half page in length, though the precise format has not yet been fixed. Please note that submissions should not be commercially oriented, and any submissions deemed as product-placement will not be accepted. To contribute a submission to the Lab Tips & Tricks column, please contact the Newsletter editors (contact information listed below).

Unfortunately, we can't accomplish these aims without feedback from society members! Even if it is just a short paragraph about conference sessions or a single contributed photo, we warmly welcome all contributed

articles and comments to the Newsletter and the LinkedIn site. The due date for Fall 2011 Newsletter submissions is May 1st, 2011. Newsletter requests can be mailed directly to the Newsletter Editors as noted in the Officer section at the end of this newsletter or submitted through the Coblentz website ([www.Coblentz.org](http://www.Coblentz.org)). We look forward to hearing from you.

Finally, we would like to extend our deep thanks to Ian Lewis and Linda Kidder, whose contributions to this Newsletter have been substantial.

FRANCIS W.L. ESMONDE-WHITE  
DAVID A. HEAPS

## PRESIDENT'S MESSAGE

Dear Coblentz Members,

For those of you who keep track of the Coblentz Newsletter in *Applied Spectroscopy* you will have noted that the publication date has been changed from February to March. This change was initiated after FACSS 2010 so that the Newsletter could appear in conjunction with the Pittcon meeting in the spring and FACSS in the fall. This will allow us to better report on activities at these conferences, as well as giving the Coblentz Society and its members wider exposure.

Let me share with you some important highlights regarding the Society.

- Approximately 300 members have joined the Coblentz LinkedIn group and share information on Coblentz and our activities. This participation represents approximately 1/3 of our current membership.
- The Coblentz endowment has recovered from the effects of 2008's market changes to the point that it again stands close to its recorded highpoint.
- With respect to the awards, the awardees for 2010 are:
  - Bomem–Michelsen Award: Professor **Isao Noda**, Proctor & Gamble (award to be presented at Pittcon in Atlanta in March 2011)
  - Williams–Wright Award: Dr. **Howard Mark**, Mark Electronics (award to be presented at Pittcon in Atlanta in March 2011)
  - Lippincott Award: Awardee not yet announced
  - Coblentz Award: Will not be presented in 2011
  - Craver Award: Awardee not yet announced. Will be presented at FACSS.

The Bomem–Michelsen Award and the Williams–Wright Award will both be presented at Pittcon. The Society will be holding its annual general meeting following the Williams–Wright Award session. Following the annual general meeting, the Society hopes to have a members only event—details will be forwarded to members via email and posted on the Coblentz LinkedIn page closer to the event date.

Prior to Pittcon you will receive e-blasts from Coblentz regarding the board membership elections. I am excited that we have a great slate of nominees who will be able to provide Coblentz leadership and direction into the future. In addition, you will receive information on the FACSS

and EAS sessions for which Coblenz organization plays a vital role. These sessions are a direct result of the tireless efforts of Linda Kidder, and I would like to take this opportunity to again thank her for her efforts.

Before signing off, I would like to make an appeal for more Coblenz volunteers to participate in the many Coblenz activities and for volunteers to help organize and staff the Coblenz booth at the conferences Coblenz attends. The Society is here today due to the efforts of many volunteers; I urge you to consider volunteering—it is a rewarding experience that profoundly aids the society. It is not a lifelong commitment and it will not take all your time. You can sign up for as little as 30 minutes of booth coverage and every bit helps. During those times, you get to meet and recruit new members, network with existing members, and make your voice heard in discussions of Coblenz activities. However, if you are looking for a lifetime of commitment, I would be happy to point you toward plenty of Society tasks!

As my term as the Society's President comes to a close, I look back on the challenges that the Board had to face and the changes we made together. We have certainly made progress in many areas. Due in part to the economic downturn that we face, I wasn't able to accomplish all that I had hoped. Perhaps that is the norm for this type of position. I am excited to report that the Board has elected the next President and information on this is below.

IAN R. LEWIS  
PRESIDENT 2009–2011

## PRESIDENT-ELECT AND PRESIDENT 2011–2013

By the time you read this in the newsletter, this news will be a little old. But for those members who are not LinkedIn members or who don't check the website very often, this may be the first time you have received this news. I am pleased to announce that the Board of Managers has elected Professor Micky Myrick as the next President of the Society. Micky will formally take over as President following the Society's annual general meeting at Pittcon in March. If past performance is any indication of future return, then Micky should lead the Society to great things during his tenure. Leaving office I know that the Society and the Board fall into the category of "very capable hands" that all volunteer organizations need.

IAN R. LEWIS  
PRESIDENT 2009–2011

## PROFESSOR MICHAEL MYRICK: BIO AND SOCIETY STATEMENT

I received a B.S. in Chemistry in 1985 from NC State University. Most of my graduate research was done there, but I moved with my advisor to



Coblenz President Elect Michael Myrick



Participants of the Quantum Cascade Laser session: Mike George, Adam Erlich, Michael Radunsky, Bernhard Lendl, Rohit Bhargava, and David Grills

New Mexico State University in 1987. I received a Ph.D. in Physical Chemistry there at the end of 1988. I did postdoctoral research with S. Michael Angel and Fred Milanovich at Lawrence Livermore National Laboratory. I spent a brief time as a staff scientist at LLNL before taking a faculty position at the University of South Carolina in Columbia, SC. I was a founder of Laser Raman Systems in 1992, one of the earliest companies to exploit semiconductor lasers, fiber optics, and CCD arrays for industrial process control applications in the petrochemical industry. I also participated in the startup of Ometric Corporation in 2005, again using optical spectroscopy for in-line process analysis.

My research has yielded about 150 publications and several patents. I have worked in a broad range of scientific and engineering fields including Raman, infrared, near-infrared, and electronic spectroscopies, optics, electrochemistry, materials, and both optical and electronic microscopies.

Having served on the Coblenz Board for several years, I am aware of some of the challenges it faces. It is plain that much of the job of the president and board today involves continued wise stewardship of the resources of the society so that it becomes a better service to the community in the future. I believe that supporting students, and being acknowledged for supporting them, is one of the keys to building the membership base of the society into the future.

Vibrational spectroscopy has become much more widespread, and much less a technical specialization, since the founding of the Coblenz Society. User-friendly instruments, expert systems, and automation have made the tools of vibrational spectroscopy accessible to nearly everyone. The number of scientists and engineers using infrared, Raman, and other tools has increased dramatically—but it is not clear that the number of specialists has seen the same dramatic increase. I hope to find ways of expanding the society's reach into the non-specialist community. The challenge for the Society is to find approaches that are at least revenue-neutral for accomplishing these tasks.

MICHAEL MYRICK  
PRESIDENT ELECT 2011–2013

## RECENT CONFERENCES, OR "NEWS FROM THE TRAVELING COBLENZ BOOTH"

**Federation of Analytical Chemistry and Spectroscopy Societies (FACSS), October 2010:** At FACSS, Linda Kidder coordinated the organization of a number of technical sessions on behalf of the Society. FACSS remains the conference with the largest gathering of our members, who attend in order to benefit from the strong technical program, network with their peers, and exchange ideas. Subjects touched on in these sessions include instrumental, theoretical, and application driven advances in the many fields touching on vibrational spectroscopy, including mid- and



William G. Fateley Session Organizer Jeff White, Fateley Student Award winner Ali Eftekhari-Bafrooei, Organizer Bruce Chase, J.D. Tate, Martin Spartz, Robert M. Hammaker, Ira Levin, and Peter Griffiths

near-infrared, Raman, terahertz, and process spectroscopy, multivariate data analysis, portable instrumentation, and correlation spectroscopy.

Drs. Andy Sommer and David Schiering held down the booth for the first evening and others including Luisa Profeta, Scott Little, Linda Kidder, Mary Carrabba, and Lisa Ganster staffed the booth, answered questions, etc., during the conference. The Society would like to thank Witec for sponsoring the student members who joined the Society during the Monday evening exhibitor opening.

The FACSS meeting saw an increase in the number of attendees, the number of exhibitors, and the number of technical presentations in 2010. This was clearly advantageous for our members and underlies why the Society is a member of the FACSS organization. The Coblenz Society also organized thirteen sessions at the 2010 FACSS conference:

- *Biomedical Applications of Spectroscopic Imaging*: Organizer, Sergei Kazarian
- *Ionic Liquids and Spectroscopy: A Green and Happy Marriage*: Organizer, Chieu Tran
- *Near-IR Spectroscopy: Applications and Calibrations*: Organizer, J. Clay Harris
- *Near and Mid-infrared Imaging*: Organizer, Chieu Tran
- *Next Generation Spectroscopic Techniques for the Analysis of Pharmaceutical Systems*: Organizer, Lynne Taylor
- *Optical Effects in Infrared Spectroscopic Imaging*: Organizer, Rohit Bhargava
- *Practical Aspects of Chiral Analysis Using VCD and ROA*: Organizer, Douglas James Minick
- *Quantum Cascade Laser Applications*: Organizer, Michael W. George
- *Raul Curbelo—The Hidden Innovator in FTIR*: Organizer, Ellen Miseo
- *Special Session to Honor William G. Fateley (I)*: Organizers, Bruce Chase and Jeff White
- *Special Session to Honor William G. Fateley (II)*: Organizers, Bruce Chase and Jeff White
- *Two-Dimensional Correlation Spectroscopy (I)*: Organizer, Isao Noda
- *Two-Dimensional Correlation Spectroscopy (II)*: Organizer, Isao Noda

FACSS also saw the presentation of the first William G. Fateley student award. It was announced in 2010 that the friends and family of Bill Fateley would be endowing an award to help enable exceptional students to attend international meetings (details on how to contribute to the fund are given below). The first recipient of this award was Ali Eftekhari-Bafrooei, who was attending Temple University when nominated. Details about Ali are reproduced below from the FACSS program. The award was presented in two sessions organized by Jeff White and Bruce Chase, both of which were held in memory of Bill. These sessions featured colleagues and

former students of Bill and it was fitting that the first student benefiting from the William G. Fateley endowment should be able to participate.

**William G. Fateley Student Award for 2010:** Ali Eftekhari-Bafrooei received his M.Sc. degree in Physical Chemistry from Sharif University in Tehran, Iran, where he studied surface reaction mechanisms. He traveled to the USA to join Professor Borguet's group at Temple University in 2005 and is currently working as a postdoctoral fellow in the group of Professor Stephen Leone at Lawrence Berkeley National Laboratory. During his PhD he studied the vibrational spectroscopy and dynamics of interfacial water using vibrational sum-frequency generation (SFG). His experiments were the first to reveal how the ultrafast vibrational dynamics of water at a solid interface ( $\text{H}_2\text{O}/\text{SiO}_2$ ) can be slowed down, a consequence of the reduced number of neighbors. Furthermore, he used dilute solutions of HDO in  $\text{D}_2\text{O}$  to decouple the O–H stretch and observed a frequency dependent vibrational relaxation of this mode. The red-shift of the O–H stretch in SFG spectra with increasing charge at the silica surface suggested a correlation with the strength of the hydrogen-bond network. This provided a connection between the spectroscopy and dynamics of water at a charged interface, and existing theoretical models for vibrational dynamics of bulk hydrogen-bonded systems. In addition, he has contributed to a variety of studies where vibrational SFG has been critical in determining the structure of self-assembled monolayers and their effect on processes as diverse as neuronal cell growth and electronic device fabrication.

**Eastern Analytical Symposium (EAS), November 2010:** At EAS, Linda Kidder coordinated the organization of two sessions, one by Gary McGeorge and one by Ian Lewis.

A members-only Monday evening Coblenz reception was held for the fifth year in a row. This year approximately 50 members attended the event. Brandye Goettler-Smith organized the event with support from Jim Rydzak. In addition to the nice menu and location, the event allowed for good conversations. Several discussion groups formed around specific tables, including the NIR group, the conservation group, the consultants table, the imaging group, and the in situ spectroscopy group. The event was held in the evening, distinct from the conference, so that members who could not attend EAS would have the opportunity to meet with members who were. The Society plans to repeat this event in 2011.

The Monday evening Coblenz reception was sponsored by several companies. I would like to take this opportunity to again thank these organizations for supporting this event, including:

Camo Software, Inc.  
 Thermo Scientific  
 Kaiser Optical Systems, Inc.  
 BLOCK Engineering  
 Thermo Fisher Scientific Informatics, "the GRAMS group"

On the show floor, the volunteers who manned the booth signed up several new members and renewed several existing members. I would like to thank all the volunteers who helped staff the booth during the meeting and I would like to thank Eunah Lee and Sergey Mamedov for helping with the Society's booth.

IAN R. LEWIS  
 PRESIDENT 2009–2011

## ANNOUNCING FACSS 2011

The Coblenz society will again be participating in the organization of the annual FACSS meeting in 2011. The organizing committee of the FACSS 2011 Conference invites you to join us in Reno, Nevada from October 2nd to October 6th for the 38th annual meeting. The federation has a proud tradition of bringing together leading scientists across many disciplines for the exchange of scientific ideas at the forefront of analytical sciences. This is accomplished through a world-class technical program, exhibition, and a variety of informal networking opportunities. The diverse technical program includes plenary and award speakers, oral and poster presentations in Atomic Spectroscopy, Mass Spectrometry, IR, NIR, THz, and Raman Spectroscopies, Nanotechnology, Bioanalytical, Pharmaceuticals, Chemometrics, Imaging, Forensics, Separations and Process Analysis, and other key scientific areas. As has been the case for several

years now, *the Wednesday evening networking event will be open to all conference attendees*. It is an exciting event not to be missed!

As in 2008, the meeting will be held at the Grand Sierra Resort, which provides an excellent venue for the meeting. The conference facilities have extensive meeting and exhibit space located in a separate wing away from the distractions of the casino and hotel. The Grand Sierra Resort is a stylish luxury hotel with signature restaurants and provides many options for fine and casual dining. The resort offers a health club and spa, swimming pool, shopping mall, miniature golf, driving range, bowling, casino, and much more. Newly renovated rooms have been reserved at a conference rate of \$109/night.

The Sierra Nevada mountains surrounding Reno provide a beautiful backdrop for the technical meeting and offer many nearby opportunities for outdoor recreation. Furthermore, Reno has an international airport that is conveniently accessed from many locations. Conference details and abstract submission can be found on the FACSS website ([www.facss.org](http://www.facss.org)). We look forward to seeing you at FACSS 2011 in Reno!

DOUG GILMAN, *Louisiana State University*—Governing Board Chair 2010 and 2011

GREG KLUNDER, *LLNL - Forensic Science Center*—General Chair 2011

PAVEL MATOUSEK, *Rutherford Appleton Lab*—Program Chair 2011

MICHAEL CARRABBA, *The Hach Company*—Exhibits Chair 2006–2011

IAN LEWIS, *Kaiser Optical Systems*—Governing Board Chair Elect 2012 and 2013

JAMES RYDZAK, *GlaxoSmithKline*—Long Range Planning Chair 2010 and 2011

BRANDYE SMITH-GOETTLER, *Merck*—Workshops Chair

MATTHEW SCHULMERICH, *University of Illinois, Urbana-Champaign*—Employment Bureau

## CALL FOR NOMINATIONS FOR THE COBLENTZ SOCIETY'S AWARDS

As all members are aware, each year the Society presents several prestigious awards open to both professionals and students. To our great dismay, we received less than 15 nominations for student awards and no nominations for the Coblenz Award in 2010. I would like to take this opportunity to encourage you to consider nominating qualified candidates for the Society's awards. Nomination information, requirements for each of the Society's awards, and online nomination forms can be found on the Coblenz Society's website (<http://www.coblenz.org>).

**Coblenz Award.** The Coblenz Award is presented annually to an outstanding young molecular spectroscopist under the age of 36. The award is presented and the Coblenz Award Lecture is delivered each June at the Ohio State University International Symposium on Molecular Spectroscopy (<http://molspect.mps.ohio-state.edu/symposium/>). 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), Mounji Bawendi (1997), Pat Treado (1998), Brooks Pate (1999), Martin Gruebele (2000), Stacey Bent (2001), Andrei Tokmakoff (2002), Andrea Callegari (2003), Sergey Nizkorodov (2005), Michael Strano (2006), Martin Zanni (2007), Xiaowei Zhuang (2008), Benjamin McCall (2009), and Timothy Schmidt (2010).

The award carries with it a \$1000 prize plus a \$500 travel allowance. Files of candidates will be kept active until 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 [Curtis Marcott, Light Light Solutions, LLC, 10125 Cliffwood Court, Cincinnati, OH 45241; phone: (513) 720-0171; e-mail: [marcott@lightlightsolutions.com](mailto:marcott@lightlightsolutions.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 Williams–Wright Award Symposium is held in honor of the awardee and immediately follows the presentation. 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 award consists of a framed certificate 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 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), Jeannette 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), Michael Carrabba (2007), Rina Dukor (2008), Jerome J. Workman (2009), and Patrick Treado (2010).

Nominations should be sent to the Chairman of the Williams–Wright Award Selection Committee [Brian C. Smith, Spectros Associates, 175 North St., Shrewsbury, MA 01545; phone: (508) 845-9712; e-mail: [bcsmith@spectros1.com](mailto:bcsmith@spectros1.com)] before May 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 award is presented each year at the Pittsburgh Conference. The ABB sponsored Bomem–Michelson Award Symposium is held in honor of the awardee and immediately follows the presentation.

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), David Bocian (2007), Geraldine Richmond (2008), Martin Quack (2009), and Richard Van Duyne (2010).

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 the chair of the Bomem–Michelson selection committee [Robin L. Garrell, Department of Chemistry & Biochemistry, UCLA, Box 951569, Los Angeles, CA 90095-1569; phone: (310) 825-2496; e-mail: garrell@chem.ucla.edu]. Nominations will close May 1st.

**Ellis R. Lippincott Award.** The Ellis R. Lippincott Award is presented annually to an outstanding vibrational spectroscopist. It is co-sponsored by the Coblentz Society, the Society for Applied Spectroscopy, and the Optical Society of America. The award is presented in memory of Professor Ellis R. Lippincott to scientists who have made significant contributions to vibrational spectroscopy as judged by their influence on other scientists. 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.

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 Delhay (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), Hai-Lung Dai (2006), Jonathan Tennyson (2007), Richard Van Duyne (2008), Michael Fayer (2009), and Martin Moskovits (2010).

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. Nominators will also need to arrange for four supporting letters to be sent directly to OSA (OSA does not request the letters). As of 2011, four is both the minimum and maximum number of reference letters required. Please have these letters sent by mail to the OSA Awards Office (2010 Massachusetts Ave, NW, Washington, DC 20036 USA), by e-mail to awards@osa.org, or by fax to +1 (202) 416-6134 (Attn: Belinda Acre). In addition, there is an online awards nomination form at <http://www.osa.org/applications/awards/AddAwardNomination.aspx>.

**Clara Craver Award.** The Craver Award is presented annually to an outstanding young molecular spectroscopist whose efforts are in the area of applied analytical vibrational spectroscopy. The candidate must be under the age of 45 on January 1st of the year of the award. The work may include any aspect of infrared (NIR, MIR, or Far), and/or THz, and/or Raman spectroscopy in applied analytical vibrational spectroscopy. The nominees may come from an academic, government lab, or industrial background.

Previous recipients of the award are: Katherine A. Bakeev (2007), John Conboy (2008), Takeshi Hasegawa (2009), and Boris Mizaikoff (2010).



Boris Mizaikoff, Clara Craver Award winner, and Coblentz President Ian Lewis

The award carries with it a \$1000 honorarium, a plaque, plus a \$500 travel allowance. Files of candidates will be kept active until the age of eligibility is exceeded. Annual updates of candidate files are encouraged and will be solicited from the nomination source by the award's committee chair. The awardee will also be offered a 25-minute plenary lecture to the assembled FACSS Conference, at which the award will be presented. Further, a separate half-day award symposium honoring the award recipient and highlighting the interests of the awardee will also occur at the same conference.

Nominations must include a detailed description of the nominee's accomplishments, a curriculum vitae or resume, and a minimum of three supporting letters. Nominations close on July 31. Nominations should be submitted to the chair of the Coblentz Society Craver Award Committee [Steve Lowry, ThermoFisher Scientific, 5225-4 Verona Road, Madison, WI 53711; phone: (608) 276-5675; e-mail: [steve.lowry@thermofisher.com](mailto:steve.lowry@thermofisher.com)].

**Coblentz Student Award.** The Coblentz Society has for many years encouraged young scientists to pursue studies in spectroscopy by seeking nominations of outstanding students for the Coblentz Student Awards. The awardees receive a copy of the Society's Deskbook, a certificate, and a year's membership in the Society. Their names and the names of their faculty advisors will appear in the Society's Newsletter published in Applied Spectroscopy.

The awardees for 2009 were: **Christopher J. Addison**, Department of Chemistry, University of British Columbia, Professor Michael Blades; **Sudhir Dahal**, Department of Chemistry, Towson University, Professor Boon Loo; **Arindam Ganguly**, Department of Chemistry, University of Missouri–Kansas City, Professor James R. Durig; **Rosina A. Lombardi**, Department of Chemistry, Syracuse University, Professor Laurence A. Nafie; **Kyle C. Mantz**, Department of Chemistry, University of Minnesota, Professor Christy L. Haynes; **Allen M. Ricks**, Department

of Chemistry, University of Georgia, Professor Michael A. Duncan; **Sean T. Roberts**, Department of Chemistry, Massachusetts Institute of Technology, Professor Andrei Tokmakoff; **Bhavya Sharma**, Department of Chemistry, University of Pittsburgh, Professor Sanford A. Asher; and **Christina R. Young**, Department of Chemistry and Biochemistry, Georgia Institute of Technology, Professor Boris Mizaikoff.

The awardees for 2010 were: **Ram Bhatta**, Department of Chemistry, University of Akron, Professor David S. Perry; **Praveenkumar Boopalachandran**, Department of Chemistry, Texas A&M University, Prof. Jaan Laane; **Bryon Herbert**, Department of Chemistry and Biochemistry, University of Delaware, Professor Karl S. Booksh; **Yuliya Luzinova**, Department of Chemistry and Biochemistry, Georgia Institute of Technology, Professor Boris Mizaikoff; and **Hajime Okajima**, Department of Chemistry, the University of Tokyo, Professor Hiro-o Hamaguchi.

Questions about the nomination process and nominations of students for the Coblenz Student Award should be sent to the chair of the Coblenz Student Award committee [Michael Myrick, University of South Carolina, Department of Chemistry, 631 Sumter Street, Columbia, SC 29208; phone: (803) 777-5264; email: myrick@mail.chem.sc.edu].

**William G. Fateley Student Award.** The family and former group members of William G. Fateley, in conjunction with the Coblenz Society and the Society for Applied Spectroscopy, wish to announce the formation of a Student Award to honor the career and life of William G. Fateley. The yearly award will consist of a \$1000 prize to the selected student(s). All winners would be recognized, and invited to present their research results, at an appropriate professional conference (e.g., FACSS, Pittcon).

Another lasting component of Bill's legacy was his encouragement for students to attend professional conferences and meet their peers. He made it a goal to introduce young scientists to the "people" in the field and to get them personally involved. Fostering this interaction was important to Bill; perhaps as much as it was for the Science. His efforts included sending his students to many international conferences. If need be, he even went as far as to bring the social interaction center (disguised as a mobile spectroscopy lab) directly to the conference. Bill's commitment to encouraging students to attend conferences, meet and interact with their

colleagues, and contribute to the field of spectroscopy has produced a whole new generation of spectroscopists and enriched the groups and societies that Bill championed so strongly. This is the legacy that we hope to continue with the establishment of this award.

The inaugural award was presented during the two special sessions at FACSS 2010 honoring Bill Fateley. These sessions consisted of a mixture of presentations from Bill's colleagues and former group members.

The William G. Fateley Student Award will be administered by the Coblenz Society. Bill was a 1965 Coblenz Award Winner and thus the Coblenz Society is well suited to remember Bill's scientific contributions. The Society will accept nominations for the Student award, review the candidates, and forward the top three nominees on to the Fateley Representative Committee. This committee will select the student that most closely embodies the spirit of Bill's desire to promote the science and society of spectroscopy.

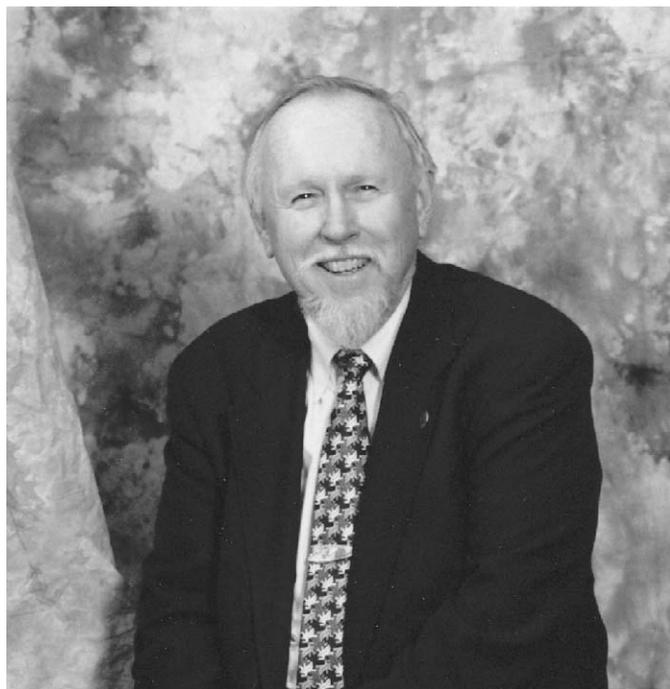
Nominations of students for the William G. Fateley Student Award should be sent to the chair of the Coblenz Student Award committee [Michael Myrick, University of South Carolina, Department of Chemistry, 631 Sumter Street, Columbia, SC 29208; phone: (803) 777-5264; email: myrick@mail.chem.sc.edu].

**Special Call for Contributions.** The Society is currently accepting contributions to the initial endowment of the Fateley award. Please consider contributing to the formation of this award, and continuing the positive impact Bill Fateley had on the spectroscopic community. Due to his worldwide impact on the field of Spectroscopy, tax deductible donations to the award fund are encouraged from all of "Wild" Bill's friends, colleagues, and professional societies. Funds may be sent to:

"The Coblenz Society/The William G. Fateley Award",  
acct: 5310712830  
First Financial Bank  
335 South College Avenue  
Oxford, OH 45056

For those who prefer to send a check, please mark it as a contribution to the William G. Fateley Award and send it to:

Dr. André J. Sommer  
Treasurer of the Coblenz Society  
Room 124D, 160 Hughes Laboratories  
701 East High Street  
Oxford, OH 45056



William G. Fateley

## SOCIETY ANNOUNCEMENTS

**Membership.** Anyone wishing to join the Society may do so by submitting an application at the Coblenz web site ([www.Coblenz.org](http://www.Coblenz.org)) or by contacting Dr. Mark Druy, Coblenz Society Membership Chairman, Physical Sciences, Inc., 20 New England Business Center, Andover, MA 01810; phone: (978) 738-8195, fax: (978) 689-3232, e-mail: [druy@psicorp.com](mailto:druy@psicorp.com). In addition, Coblenz Society memberships can be obtained in tandem with Society for Applied Spectroscopy memberships through the SAS web site ([www.s-a-s.org](http://www.s-a-s.org)).

**Board Meeting.** The Coblenz Society Board will hold its semi-annual meeting at the Pittsburgh Conference (Pittcon). Please consult the Coblenz LinkedIn site for further information. Any article of business that you want the Board members to consider must be sent in writing to Ian Lewis, Coblenz Society President (see address at end of newsletter), prior to the conference.

**Annual Meeting.** The Annual Meeting of the Society will also be held at the Pittsburgh Conference (PittCon). Please consult the Coblenz LinkedIn site and conference final program for further information. Remember—this is the time when topics of interest to the entire membership are discussed.

## COBLENTZ SOCIETY BOARD

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