The Coblentz Society

Newsletter

A Society for Applied Spectroscopy Affiliate

No. 166 Editor: Mark Druy Spring 2020

EDITOR'S COMMENTS

Dear Coblentz Members,
Welcome to the spring edition of The Coblentz Society Newsletter. This edition is brought to you by our many fine volunteer contributors and our office manager, Mary Carrabba.

First, our incoming President, Ellen Miseo, offers her introductory President's message and I would be remiss if I didn't offer my congratulations on behalf of the entire Coblentz Society to our outgoing President, Brandye Smith-Goettler.

Second, this issue also contains a tribute to Clara Craver, a monumental figure in the history of The Coblentz Society. The Society owes a debt of gratitude to the work that Clara did on behalf of the Society and her legacy will sustain the Society indefinitely.

We also welcome our two recently elected members of the Board of Managers, Savitha Panikar, and Zhan Chen. Ian Lewis, our treasurer, provides an overview of the Society's excellent financial health.

Third, we also acknowledge the accomplishments of our student award winners and we hope that they become contributing members of the Society as they continue their careers in vibrational spectroscopy.

Finally, we conclude the issue with some updates from our annual members meeting, award sessions, and Speed Mentoring sessions at SciX; a review of the activities at the Eastern Analytical Symposium, a preview of events (which by the time this is published will have occurred) at Pittcon, and a call for nominations of the many awards that The Coblentz Society sponsors.

PRESIDENT'S MESSAGE

Ellen Miseo, Coblentz President 2020

By way of introduction, I am Ellen Miseo and I have been in the vibrational spectroscopy area for my entire career. That involvement puts the Coblentz Society right into my areas of interest.

As president, I would like to use the resources of the Society to give back to the vibrational spectroscopy community. Some of the efforts that we started last year and will continue into the next include setting two grant opportunities. One of these includes a travel grant to help to defray the cost of travel to a conference. We want this grant to help young scientists who may not be presenting but want to participate in the scientific community. Another effort that we have started to provide includes childcare grants to help defray the cost of childcare when the parent is at a conference. Both grants are available for conferences where the Coblentz Society is an active participant.

Because we are all vibrational spectroscopists, we realize that understanding what information our practice can provide is incredibly valuable. And we also realize that good courses may be hard to find and even harder to afford. Based on that we have set up a scholarship that is designed to defray part of the tuition for the Infrared and Raman Course (IR and Raman Courses, Inc., which is affiliated with the Society). All three of these programs are designed to support newer scientists in our field.

I am sure every one of our members can point to someone who made a significant impact on their career. This support may have been in a formal mentoring role, offering advice, providing technical guidance, or just by being there to let you discuss something you need help in sorting out. In our field of spectroscopy, this support mechanism is not as robust as it is in other areas. To address this, the Coblentz Society has taken the lead (in cooperation with the Society for Applied Spectroscopy [SAS]) to put in place a mentoring program. Two of our very dedicated volunteers, Jim Rydzak and Alex Scheeline, have taken the lead on this effort with Jim running Speed Mentoring. It originally started at SciX, but Jim has successfully expanded it to EAS and Pittcon. He needs your help.

Alex has taken the lead to set up a mentoring platform where we can try to match needs to experience. But this platform will only work with active participation. To quote Alex "the value of the network expands as N^2", so we need participation. And we need organizational help.

As members of the Coblentz Society, we have the ability to impact the careers of vibrational spectroscopists. We are not just a society that gives out awards! But these young spectroscopists, who may not consider themselves spectroscopists, need to know we exist. And this is where you the members come in: Use the opportunity to encourage participation by young scientists. Show them the value of the community we have. And help me carry out the vision I have for my term.

Please help us by volunteering. Let Mary Carrabba know that you are interested and where you would like to participate. If anyone is interested in talking about this just drop me an email and we can arrange a time to talk.

IN MEMORIAM: CLARA D. CRAVER (1924–2019)

The Coblentz Society mourns the passing of noted chemist and spectroscopist Dr. Clara D. Craver, following the long sunset of Alzheimer's disease. She passed away in her sleep, 10 October 2019, in Ballwin, Missouri. She was 94 years old.

The daughter of Ira and Flora Diddle, Clara Alberta Craver (née Diddle) was born 3 December 1924 in Portsmouth, Ohio. She earned the Bachelor of Science in Chemistry degree from The Ohio State University in 1945, cum laude and Phi Beta Kappa, in an era when not many women chose to enter the chemical field. She worked at Eastern States Standard Oil of New Jersey and the Battelle Institute in Columbus, Ohio, before opening her own analytical laboratory in 1959, Chemir Labs, where she specialized in applied infrared spectroscopy. She was an expert in the analysis of the chemical properties of polymers, plastics, asphalt and oils, coatings, and adhesives, and provided

expert testimony in numerous lawsuits. She lectured at chemical conferences across the country on the interpretation of spectra, in which a "fingerprint" was provided to identify chemical compounds and describing much of their structure. She was awarded an honorary doctorate from Fisk University in 1974 for her internationally recognized contributions to the field of vibrational spectroscopy. A member of the Iota Sigma Pi National Honor Society for Women in Chemistry, Dr. Craver was one of the first female chemists admitted to the Chemical Club of New York. Dr. Craver and her husband J. Kenneth Craver, a Monsanto chemist and futurist, were the first husband and wife to simultaneously chair separate divisions of the American Chemical Society. A male colleague was heard to remark of her, "[s]he is a towering refutation of the assertion that it is a man's world." In addition to her passion for science, Dr. Craver loved her flower gardens, sailing, the symphony, the Impressionists, and her family.

Dr. Craver is survived by her brother Col. (Ret.) James (Billie Lou) Diddle of Fort Walton Beach, Florida, and sister Patricia (Don) Kegley of Knoxville, Tennessee; four children from her marriage to Ray Smith: Susie Burge and Stephen (Laurie) Smith of St. Louis; Derrin (Mihaela) Smith, currently stationed in Sierra Leone, Africa; and Cheri O'Brien of Plant City, Florida; three daughters of Ken Craver: Mary Ellen Brown, of Carbondale, Illinois; Carole Connet, of Fairfield, Iowa; Iris Craver of Lawrence, Kansas; twenty grandchildren, thirty-two great-grandchildren, one great-great-grandchild, and seven nieces and nephews. Preceding her in death were her husband, her parents, three-year-old sister Gloria, sister Joyce Pinson, and nephew Scot Diddle.

Memorial donations in lieu of flowers may be made in her honor to the Craver Award fund sponsored by the Coblentz Society; the Ira and Flora Diddle Scholarship for the Professions at Shawnee State University, Portsmouth, Ohio; or to the Alzheimer's Association. A private memorial service is planned.

Several memorial moments were held during SciX 2019 in honor of Clara Craver. A moment of silence was held before the Monday morning plenary lecture. The Wednesday's Women in Analytical Chemistry Panel Discussion (chaired by Rina Dukor) was dedicated to Clara Craver. Richard Crocombe (past Chair of the Coblentz Society) and Katherine Bakeev (the inaugural awardee of the Craver award) reviewed Clara Craver's contribution and how she stood up against the many biases against women scientists at the time before the Thursday morning's Craver Award plenary lecture. Below are a few highlights from the slides delivered by Richard and Katherine.

Dr. Craver as a "woman in a man's world":

(i) When Clara began her first position at ESSO after college, she was asked, "Can you type?" "No," she replied judiciously, astutely realizing that had she replied in the affirmative, she would have spent all her time typing other people's reports.

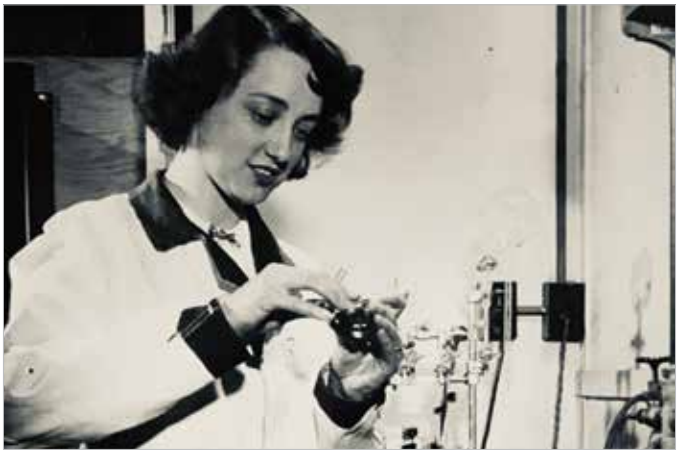
(ii) When Clara first opened her consulting laboratory Chemir Labs in 1959, her husband had to sign on her business checking account. The bank would not allow her as a married woman to open an account in her own name.

(iii) When Clara took her husband and fellow chemist Ken Craver to dine at the Chemical Club in New York, the waiter assumed he should be given the menu with prices and gave her a menu without prices (although he was not a member and she was). She promptly switched the menus.

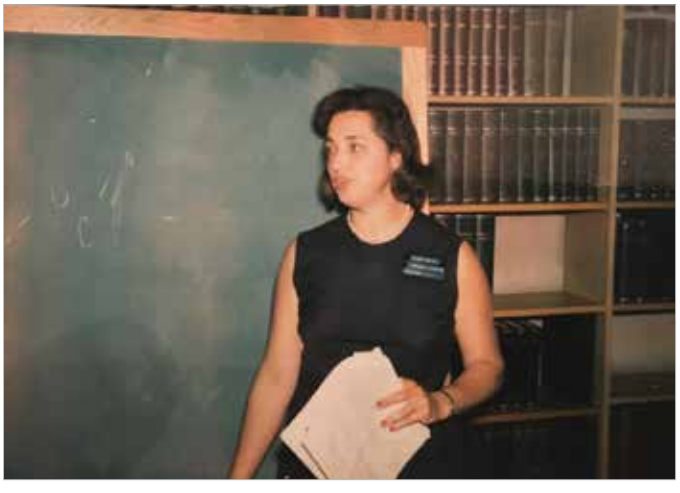
(iv) Around 1961, Clara and her family lived in Evansville, Indiana. Clara had frequent business travel to New York. Only one flight would allow her to return in time to see her children before bedtime, but American Airlines (AA) had designated that a "Businessmen's Flight" that was for men only. Clara's son stated they have an exchange of letters between AA and Clara, the airline patiently explaining they wanted the men to be able to smoke and take their shoes off without ladies present. (Never mind that the flight attendants were all "stewardesses" at the time.) Her replies include a letter she wrote to the editors of the Wall Street Journal on the subject.

Clara Craver was the driving force behind the Coblentz Society's "Desk Book" collections of infrared spectra. These lay the foundations for today's widespread spectral libraries. The income from sales of these collections continues to greatly benefit the Coblentz Society

Clara Craver and Norman Colthrup on arrival in Buenos Aires, Argentina, ca. 1962. A note on the photograph's reverse indicated Dr. Craver's quizzical look resulted from wondering why her picture was being taken—not realizing the photographer was there specifically to document the arrival of these two scientists from the US. (Image courtesy of Stephen D. Smith.)



An early image of Clara Craver, likely taken during her tenure at the Battelle Institute. (Image courtesy of Stephen D. Smith.)



Clara Craver in the late 1960s. (Image courtesy of Stephen D. Smith)

and enables it to fulfill its mission. The collections are available today in digital formats from ACD Labs.

The Coblentz Society offers its sincerest condolences and thanks to Dr. Craver's family, specifically Stephen D. Smith, for providing the reminiscences and images for this obituary.

COBLENTZ MEMBERSHIP REPORT

Mary Carrabba, Office Manager

Good News! The Society has a new Membership Committee chair, Savitha Panikar. Savitha is one of our newest Board members and is anxious to begin serving the Society. Welcome aboard Savitha!

Our paid membership (at the time of this writing) stands at 446 spectroscopists. This is holding steady over the last year. Welcome to our newest lifetime members, ***Sudhir Dahal*** of Shimadzu Scientific Instruments and ***Jun Zhao*** of B&W Tek. Thank you for your commitment to your Society.

You may pay your dues through the member portal of the Society's website or through the Society for Applied Spectroscopy (SAS). Renewals made through SAS should show up in your Coblentz account within one month. Anyone wishing to join the Society as a new member may do so by applying at the Coblentz web site (www.coblentz.org/Membership), selecting the Coblentz Society when completing your SAS application, or by contacting the Society office (mary.carrabba@coblentz.org). As always, we welcome and encourage suggestions for honorary memberships in the Society from all members.

TREASURER'S REPORT

Ian R. Lewis, Treasurer

The Society's financial position remains strong. We have a ladder of CDs valued at $100,495 (with yields from 2.55 to 2.92%) that mature during 2020, as well as approximately $17,500 in our bank accounts. In addition to the CDs, the investment account includes a balanced mutual funds account and a federal money market fund. At the end of December approximately $734,640 was in mutual funds, $13,452 in the money market fund, and $100,495 in CDs. The total value of the CDs and the maturity dates were chosen so that the Society could operate for approximately two to three years, assuming no income, without needing to tap into our mutual funds (a very conservative approach that provides some immunity from a potential stock market decline during that time period). Our investments have seen their value increase this year from $719,098.44 (12/31/2018) to $848,588.25 (12/31/2019) and our total assets now stand at approximately $866,042.62.

In the table that follows you can see that the Society lost money last year as it did in 2018. The budget for 2020 is also negative to the tune of $24,000. This reason for the loss is that the Board is pursuing a policy of giving back to the spectroscopic community by increasing award expenditures. This is being done by creating conference travel and child-care awards for early-career scientists, increasing funding for member events, raising expenditures for educational activities, and increasing funds set aside to support the technical program at conferences that support the Society's mission. Given the strong financial position of the Society, the Board is prepared to operate the Society at a loss for several years (if necessary) to deliver programs aligned with the Society's purpose. Putting the financial position of the Society in perspective with respect to our programs, the Society could operate at the current expense level with no income for the next 16 years (from this year, our 66th anniversary, through to the Society's 82th anniversary) before its resources were exhausted. If the Society opted instead to change it structure and simply operated just its awards, then the awards could be operated based on income from the current assets

The Board is currently encouraging member input on member programs and needs; please submit your ideas and proposals to the Society's office or to the Society's President for consideration. The Society's mission is to foster the understanding and application of vibrational spectroscopy and is not to horde a large unused financial reserve. However, having sufficient reserves to cover the short-term needs of the Society to deliver on its mission during changing times is prudent. As the financial income as well as the membership models of societies like ours is changing, we owe a debt of gratitude to those in the Society's leadership who came before us and who had the foresight to invest in vehicles that allowed the Society to fulfill its purpose then, allows the Society to operate now, and sets the Society in good stead for tomorrow.

In closing, let me, on behalf of the Society, thank those members and organizations that have chosen to make donations to the Society (and thus its purpose) in 2019. I ask each of you to consider donating to the Society in 2020; even a $10 donation from each member would allow us to fully support programing for another

2019 Finances

Income	**2019 Budget** (in dollars)	**2019 Actual** (in dollars)	**2020 Budget (proposed)** (in dollars)
Direct Public Support: Grants (Pittcon and EAS)	5,000	5,000	5,000
Direct Public Support: Sponsorships and Donations	2,500	500	2,700
Membership Dues	7,000	8,390	8,000
Spectral Library Revenue	5,000	5,000	5,000
Merchandise Sales	-	796	600
FACSS/SciX Surplus Funds	0	0	0
Anticipated investment disbursement	11,075	12,110	11,885
Misc. (interest)	-	3	0
Total income	*30,575*	*31,799*	*33,185*
Expenses	**(in dollars)**	**(in dollars)**	**(in dollars)**
Booth expenses (Pittcon, ISMS, FACSS/SciX, EAS)	250	112	300
Awards	11,325	13,522	12,135
Grants and Scholarships	7,000	2,000	7,500
Pittcon	350	118	350
ISMS (including reception)	750	500	950
SciX (including membership breakfast and speed mentoring)	2,950	1,928	6,250
EAS (including reception)	3,000	2,513	3,000
Other Conference Support	5,250	0	5,250
New booth merchandise (shirts, etc.)	300	774	300
Educational Committee activities	400	0	400
General operating expenses (taxes, legal fees, insurance, office management, shipping, etc.)	19,014	14,571	20,793
Total Expenses	*50,589*	*36,038*	*57,228*
Budget Total	**(20,014)**	**(4,239)**	**(24,043)**

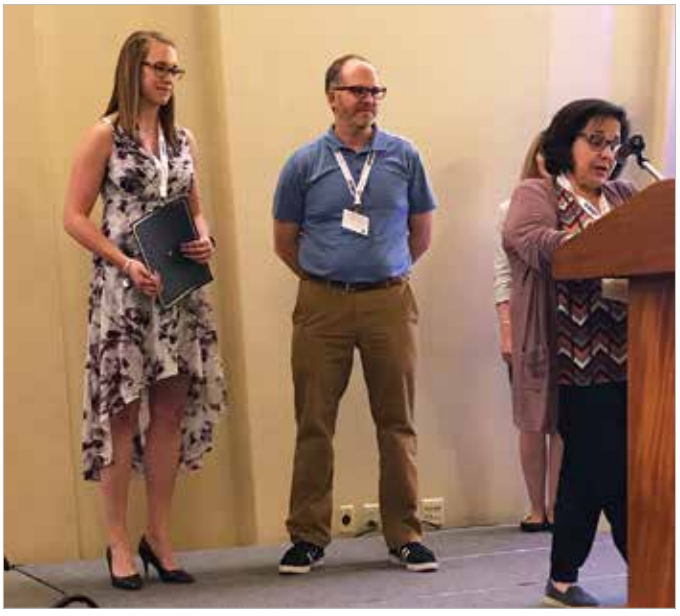
vibrational-spectroscopy-focused meeting or partial support for several early-career scientists to attend meetings.

2019 SCIX ACTIVITIES

Student awards

For many years, the Society has encouraged young scientists to pursue studies in spectroscopy by seeking nominations of outstanding students for the Coblentz Student Awards. The awardees receive a Desk Book, a certificate, and a year's membership in the Society. In 2019, the Society was pleased to recognize two students as part of the annual Coblentz student awards. Both students attended SciX and were recognized during the Sunday night poster session and conference opener supported by SAS and FACSS:

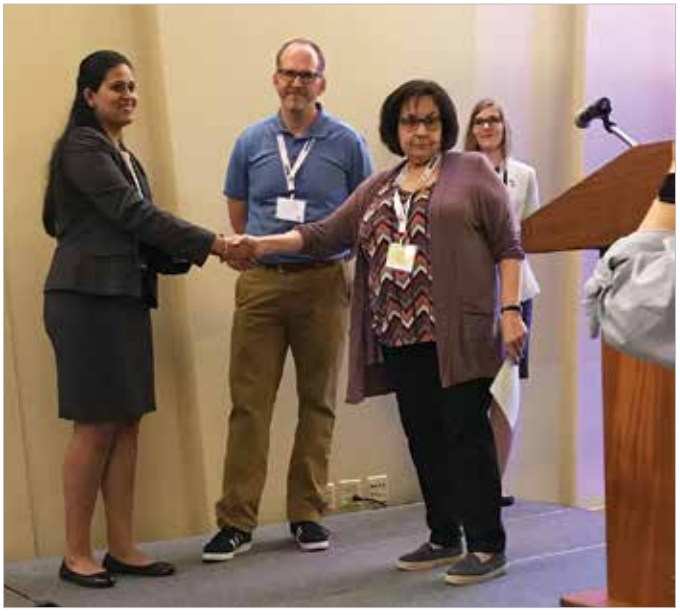
Nicole Ralbovsky is a third-year doctoral candidate in Dr. Igor K. Lednev's laboratory at the University at Albany, SUNY. Her research focuses on developing a novel method for medical diagnostics using Raman hyperspectroscopy in combination with advanced statistical analysis.



2019 Coblentz Student Awardee Nicole Ralbovsky (left) receives her award from Zac Shultz, Student Affairs Committee Chair (center) and Ellen Miseo, Society President (right).

In addition to receiving a Coblentz Student Award, ***Shachi Mittal*** was recognized as the 2019 recipient of the William G. Fateley award. Shachi Mittal is currently a final year graduate student in the Department of Bioengineering at University of Illinois at Urbana-Champaign. Her current research in Professor Rohit Bhargava's lab focuses on developing efficient and robust computational models using spectroscopy data for early cancer detection and prognostic assessment, particularly breast cancer. Risk stratification of early stage patients has been a challenge as there are no clinical factors, histopathologic features, or molecular markers that permit reliable assessment of recurrence risk. Consequently, many more women are over-diagnosed, resulting in potential short-term and long-term morbidities as well as higher healthcare costs. Therefore, precise diagnosis of in situ cancer and predictive models for their progression is indispensable for early detection and subsequently improved patient outcome. Her recent work on building digital tools for identifying different disease states and microenvironment analysis using infrared spectroscopic imaging and machine learning can provide more detailed diagnoses for precise treatment planning. She has translated her models to discrete frequency measurements for rapid and efficient clinical translation. Her future goal is to combine patient information obtained from chemical imaging, genomics, proteomics, tissue, and patient level disease information to identify multilevel statistical associations to drive improved diagnostics, treatment, and management of cancer.

Prior to joining graduate school, Shachi earned her bachelor's and master's degrees in Biochemical Engineering and Biotechnology from the Indian Institute of Technology, Delhi, India, in 2014. Her research work has resulted in 13 peer-reviewed publications and several awards including the Baxter Young Investigator award, invited speaker at the Annual Engineering PhD Summit in EPFL, Lausanne, Switzerland, an Eastern Analytical Symposium Graduate Student Research award, the Nadine Barrie Smith fellowship, Beckman Institute Graduate Fellow, a Big Data Summer fellowship and an Illinois Distinguished Fellowship.



2019 William G. Fateley Award winner Shachi Mittal (left) receives her award from Zac Shultz, Student Affairs Committee Chair (center) and Ellen Miseo, Society President (right).

SPEED MENTORING EVENT AT SCIX19!

Contributed by Jim Rydzak

The speed mentoring session held at Scix19 in Palm Springs was the sixth consecutive year that it has been offered by the Coblentz Society and the Society for Applied Spectroscopy and it was a big success! We had 24 mentees take part and had 29 mentors on hand for them to discuss what it was like to work in industry, academia, or national labs. We had mentors from several universities, and industry segments included pharmaceuticals, instrument vendors, chemical, petroleum, and people from national labs like the FDA, USDA, Lawrence Berkeley, and Savanna River National Labs. Our mentees got to spend a fun and a bit intense five minutes of back and forth exchange of experience with the mentors speaking to at least a dozen mentors during the session. Also, the mentees were introduced to a permanent mentoring site that has been developed jointly by Coblentz and SAS. You can join this site as a mentee or mentor by signing up at https://cgscholar.com/identity/users/sign_in.

CRAVER AWARDS

Two Craver Awards were presented at SciX 2019. The 2018 award was given to Professor Christy Haynes of the University of Minnesota; the 2019 award was presented to Dr. Shawn (Xiaoyun) Chen, a senior research scientist at the Dow Chemical Company. Prof. Haynes' and Dr. Chen's biographies may be found in the Fall 2018 and Fall 2019 Society Newsletters, respectively.

2018 Craver Award Symposium speakers (from left to right): Melissa Maurer-Jones, Tian Qiu, Vivian Ferry, Christy Haynes (awardee), Julie Biteen, and Korin Wheeler.

2019 Craver Award Symposium speakers (from left to right): Xianghuai (William) Wang, Zhan Chen, Michael Bishop, Katherine Bakeev, Xiaoyun (Shawn) Chen (awardee), and Mark Rickard.

ANNUAL MEMBERSHIP MEETING BREAKFAST

The AMM was held Monday morning at SciX. Twenty-five early-rising members attended this event where a review of the Society's business was held during breakfast. The Society's new president, Ellen Miseo, stood in for now past-President Brandye Smith-Goettler, who was unable to attend.

EASTERN ANALYTICAL SYMPOSIUM ACTIVITIES

Speed Mentoring Event at EAS 2019

Contributed by Jim Rydzak

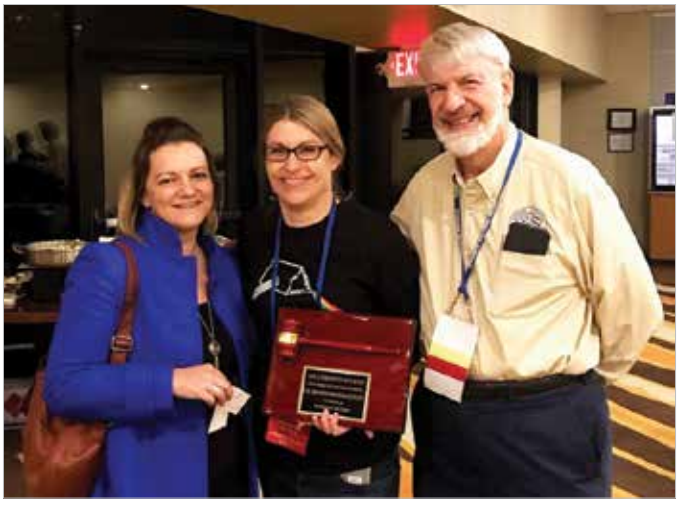
Speed mentoring was held for the first time at the Eastern Analytical Conference (EAS) in Princeton, New Jersey. It was co-sponsored by the New England Section of the Society for Applied Spectroscopy and the Coblentz Society and, like at SciX, it was a big success! We had 21 mentees take part, with 24 mentors on hand for them to discuss what it was like to work in industry, academia, or national labs. We had mentors from a number of universities, and industry segments included pharmaceuticals, instrument vendors, chemical, petroleum, and people from national labs like the FDA. Our mentees got to spend a fun and a bit intense five minute of back and forth exchange of experience with the mentors speaking to at least a dozen mentors during the session. Often the Mentees had to be prodded to move to the next Mentor, they were so involved in the exchange. Also, the mentees were introduced to a permanent mentoring site that has been developed jointly by Coblentz and SAS. You can join this site as a mentee or mentor by signing up at https://cgscholar.com/identity/users/sign_in.

We plan to offer the opportunity again at SciX 2020 in Sparks, Nevada, this October 2020.

EAS CONFERENCE REVIEW

Contributed by Brandye Smith-Goettler

In addition to speed mentoring, the Coblentz Society organized two sessions to serve our objective of fostering the understanding and application of vibrational spectroscopy. The sessions were titled "Applying Data Science to Spectroscopy" and "Process Analytical Technology: Modeling Applications to Support Continuous Manufacturing". As is our tradition, Coblentz hosted a member's reception Monday evening. At the event, thirty of our members had delicious food, captivating scientific conversations, and fun! Brandye Smith-Goettler was presented with a necklace and gavel plaque in recognition and thanks for her two years of service as the Society's President.



Edita Botonjic-Sehic (left), Brandye Smith-Goettler (center) and Jim Rydzak (right) at EAS member reception.

In 2020, EAS will be 16–18 November at The Crowne Plaza Princeton Conference Center in Plainsboro, New Jersey. The Coblentz Society will be organizing three spectroscopy-focused sessions, coordinating another speed mentoring session, exhibiting, and hosting a reception for our members. The 2020 EAS theme will be "Analytical Science: Cornerstone of Innovation".

MEMBER NEWS

Joel Harris, a lifetime member of the Coblentz Society, was honored with the 2019 Eastern Analytical Symposium Award for Outstanding Achievements in the Fields of Analytical Chemistry. The award was presented at last fall's EAS Meeting in Princeton, New Jersey. In addition, Joel was awarded the 2019 Calvin S. and JeNeal N. Hatch Prize in Teaching in recognition of his 43 years of excellence in teaching. The prize is awarded to an outstanding faculty member who has been teaching at the University of Utah for at least 20 years. Last spring, the University of Utah also announced the establishment of the Joel

Harris Endowed Graduate Scholarship. This scholarship began with a generous $100,000 gift by Mike and Sally Hunnicutt. The Hunnicutts also pledged to match an additional $100k of donations in 2019. These scholarships will go to graduate students in analytical chemistry.

The significance of this scholarship-providing donation was summed up by Jeff Driggs, former director of development for the University of Utah College of Science who stated: "In 35 years of educational fundraising, I have learned that people never NEVER give huge gifts in honor of beloved professors. You might raise a few thousand dollars from a bunch of alumni, but nothing like this. He is obviously a very highly respected and loved man!" We couldn't agree more, Joel.

PITTCON 2020

Williams-Wright Award

The Coblentz Society's Williams-Wright award is presented annually at Pittcon to an industrial spectroscopist who has made significant contributions to vibrational spectroscopy while working in the industry. ***Christopher D. Brown*** from 908 Devices will receive the 2020 Coblentz Society Williams-Wright award. The award session will highlight Chris Brown's work on the development of smart, high-performance miniature analytical systems across a range of industries and applications and examine a cross-section of the accomplishments that have been enabled in those disciplines as a result.

Chris's professional career has been focused on the development of smart, high-performance miniature analytical systems across a range of industries and applications. His early career work at InLight Solutions involved clinical and biodiagnostic applications of spectroscopy. Joining Ahura Scientific in 2004, Chris worked on the world's first handheld Raman and FT-IR systems, paving the way for today's handheld spectroscopy industry, and 25,000 fielded systems later, he spent two years at Apple developing advanced sensing technologies in the wearables sector. He co-founded 908 Devices in 2012, commercializing the world's first handheld mass spectrometer and numerous other products for forensic and life-science applications.

Presentations:

8:30–8:40	Award Presentation and Introductory Remarks–Nancy Jestel
8:40–9:15	Fun and Follies in the Development of Miniature Analytical Systems, Christopher D. Brown, 908 Devices
9:15–9:50	The Power of Projection Pursuit Analysis: A New Paradigm for Chemical Discovery with Multivariate Data, Peter Wentzell, Dalhousie University
9:50–10:25	Pharmaceutical Forensic Applications of Portable Technologies, Anthony Zook, Merck & Company, Inc.
10:25–10:40	Recess
10:40–11:15	Algorithms for Portable Spectrometers, Lin Zhang, Thermo Fisher Scientific
11:15–11:50	Chemical Analysis in the World of Bombing Investigations, Kirk Yeager, Federal Bureau of Investigation

INTERNATIONAL SYMPOSIUM ON MOLECULAR SPECTROSCOPY (ISMS) 2020

Coblentz Award

The Coblentz Award is presented annually to an outstanding young molecular spectroscopist under the age of 40. This award is the Society's original award (first awarded in 1964) and comprises an honorarium, a plaque with a prism from the periscope of a World War II Navy submarine, and a travel allowance. The Society is pleased to announce that the 2020 Coblentz Award will be presented to ***Dr. Benjamin P. Fingerhut***. Dr. Fingerhut currently works at the Max Born Institute for Nonlinear Optics and Short Pulse Spectroscopy where he is leading the Emmy Noether junior research group T4: Biomolecular Dynamics. He will be presented with the award at the International Symposium on Molecular Spectroscopy (ISMS) in June 2020.

CALL FOR AWARD NOMINATIONS

The Williams-Wright Award is presented to an industrial spectroscopist who has made significant contributions to vibrational spectroscopy while working in industry. Government labs are not considered industry in this definition. The Awardee must still be working at the time the award is presented. Nominations will be accepted until **May 1**.

The Coblentz Award is presented annually to an outstanding young molecular spectroscopist under the age of 40 (as of January 1 the year of the award). Nominations will be accepted **January 3–July 15**.

The Craver Award recognizes young spectroscopists for efforts in applied analytical vibrational spectroscopy. Candidates must be under the age of 45 on January 1 of the year of the award. Nominations will be accepted until **October 30**.

The Lippincott Award honors Dr. Ellis R. 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 SAS. Nominations will be accepted until **October 1**.

Coblentz and William G. Fateley Student Awards are awarded to graduate or undergraduate students who have shown excellence in vibrational spectroscopy research and/or coursework. The three leading graduate students selected by the award committee will also qualify for consideration for the William G. Fateley Student Award. Nominations will be accepted **November 1–February 15**.

Honorary Membership: The Coblentz Society awards honorary memberships to those who have made outstanding contributions to the field of vibrational spectroscopy or any other field related to the purposes of the Society. Nominations close on **February 1**.

Additional information regarding nomination eligibility, requirements, procedures, and past awardees can be found at http://www.coblentz.org/awards.

Member Business Suggestions and Requests

The Society's Board of Managers hosts monthly meetings via teleconference and formal Board meetings prior to Pittcon and SciX. Please consult the Coblentz LinkedIn site or the members.coblentz.org website for further information. Any article of business that you want the Board to consider must be sent to Ellen Miseo, Coblentz Society President, prior to meetings.

COBLENTZ SOCIETY OFFICERS

President: Ellen Miseo (ellen.miseo@gmail.com)

Secretary: Luisa Profeta (lprofeta@fieldforensics.com)

Treasurer: Ian R. Lewis (Ian.Lewis@kosi.endress.com)

Newsletter Editor: Mark Druy (mark.druy@coblentz.org)

Office Manager: Mary W. Carrabba (mary.carrabba@coblentz.org)

COBLENTZ SOCIETY BOARD

Term expires October 2020: Xiaoyun (Shawn) Chen and Rohith Reddy (XChen4@dow.com; rkreddy@central.uh.edu)

Term expires October 2021: Fred Haibach and Zachary Schultz (fhaibach@confluentscience.com; schultz.133@osu.edu)

Term expires October 2022: Nancy Jestel and Peter Larkin (nancy.jestel@gmail.com; larkin.peter.j@gmail.com)

Term expires October 2023: Savitha Panikar and Zhan Chen (spanikar@hovione.com; zhanc@umich.edu)