

Double Bond

The Newsletter of the Western New York Section of the American Chemical Society

Volume 88

September 2016

SCHOELLKOPF BANQUET HIGHLIGHTS



Prof. Michael Detty (right) is congratulated on receiving the 2016 Schoellkopf Medal by Dr. Jeffrey Rose (left). The Award Certificate is held by WNYACS Section Chair, Prof. Andrew Murkin. The award banquet was held September 20, 2016.

Prof. Detty, of the Department of Chemistry, University at Buffalo, SUNY, received the award

"In recognition of his fundamental research in the field of organoselenium and organotellurium chemistry and development of applications thereof toward advances in photodynamic therapy and marine anti-fouling technology. Further, in recognition of outstanding student mentorship and service to his department and university"

The Schoellkopf Medal, given annually by the Western New York Section, honors individuals from the Buffalo Niagara region for outstanding work and service in the fields of chemical engineering or chemistry. The medal, awarded since 1931, is the oldest award of the ACS given by a local section.

IMPORTANT UPCOMING YCC EVENT



The Chemists Code for Success: 3 Essential Skill Sets for Your Career.

Chemists of all stripes (under age 36) are invited to socialize and network at YCC events.

Join us on Tuesday, October 11, 2016
UB North Campus

See Details on Page 2.

WNYACS SLATE OF CANDIDATES FOR LOCAL SECTION OFFICES

The current slate of candidates for officer elections, with terms beginning in January 2017 is listed below. Much more information is available on these candidates on page 3. Nominations are still open by contacting the editor or secretary ASAP.

Chair	Jason Benedict
Chair-Elect	Luis Sanchez
Vice-Chair	Timothy Cook
Secretary	Christopher Patridge
Member-at-Large	Sarah Evans
	David Stewart
	Robert Stewart
	William Sullivan
Councilor	Peter Schaber

Information on voting will be published in next month's edition of the *Double Bond*.



The Chemists Code for Success: 3 Essential Skill Sets for Your Career

October 11, 2016

University at Buffalo, North Campus

Location TBA

Food and networking starts at 6:00 PM

Presentation at 7:00 PM

Your career as a chemist depends on more than just your abilities in the lab. Join our panel of experts to learn how time management, handling failure, and professional etiquette will shape your career. The Western New York chapter of the Younger Chemists Committee (YCC) invites you to join us for this event providing tips for cultivating these important skills outside of the lab.

A light dinner (pizza and sandwiches) will be served before the talk to promote networking.

What We Will Discuss:

Workplace etiquette that will enable you to be remembered by your work...not your faux pas

How implementing professional etiquette now can set the course of your career

The value of failure and how to learn from your mistakes

Please RSVP to Jeremy Steinbacher, steinbaj@canisius.edu, by Monday, October 10, 2016

If you are a younger chemist (<36 years old) please consider attending! The main mission of the YCC is to advocate for and provide resources to early-career chemists and professionals in the chemical sciences and related fields. The YCC addresses specific issues facing younger chemists within the ACS and serves as a voice to the Society on behalf of younger chemists.



Professional Etiquette

+



Handling Failure

+



Time Management

2016 WNYACS CANDIDATE STATEMENTS**For Chair (2017):**

Jason Benedict is an Assistant Professor in the Department of Chemistry at the University at Buffalo. His research seeks to understand and ultimately control the interaction of light and matter in crystalline materials. From photo-responsive metal-organic frameworks to low-flux upconversion materials, his research is focused on the design and synthesis of next-generation smart 'materials by design'. Jason is also active in outreach programs; he recently chaired and organized the 7th annual Western New York Undergraduate Research Symposium and the U.S. Crystal Growing Competition – a fun STEM activity for students in grades K-12.

Jason received his B.S. in Chemistry from Arizona State University. He received his Ph.D. from the University of Washington with Bart Kahr. Jason worked as a postdoctoral researcher with Philip Coppens at UB before joining the faculty in 2011.

For Chair-Elect (2017):

Luis Sanchez received his Ph.D. in Organic Chemistry from Michigan State University in 2010. After postdoctoral work at Merck Research Laboratories and with Professor Amos B. Smith III at the University of Pennsylvania, he moved to Lewiston, NY in 2013 to become Assistant Professor of Chemistry at Niagara University. Dr. Sanchez is the faculty advisor for the ACS student chapter at NU and serves as President-elect of the National Chemistry Honors Society Gamma Sigma Epsilon. His main research interest is the development of synthetic methods toward peptide and terpene-based natural products and analogues. Outside the lab, Luis enjoys long-distance running and is a lifelong theater lover.

For Vice-Chair (2017):

Timothy Cook studied under John P. Caradonna at Boston University (B.A., 2005) and with Daniel G. Nocera at MIT (Ph.D., 2010). After two years of postdoctoral study in the Stang Group at the University of Utah, he joined the faculty as a research assistant professor investigating coordination-driven self-assembly for the construction of metallacycles and cages. In the fall of 2014, he established a group at the University at Buffalo, SUNY as an assistant professor of chemistry. His lab is currently exploring inorganic self-assembly with an emphasis on designing new molecules and materials for energy conversion, photochemistry, and host/guest chemistry.

For Secretary (2017-2018):

Christopher Patridge is an Assistant Professor of Chemistry at D'Youville College in Buffalo. His current

focus has been developing his teaching skills in the courses aimed at students pursuing careers in the health professions. His research interests involve the synthesis and geometric and electronic characterization of novel-structured and/or low dimensional inorganic materials for electrochemical storage. Dr. Patridge received his B.A. from the University at Buffalo and then returned to UB to complete his Ph.D. with Sarbajit Banerjee. His thesis involved synchrotron work in absorption spectroscopy leading to a 2-year NRC postdoc with Karen Swider-Lyons in the Chemistry Division at the Naval Research Laboratory in Washington, DC. He moved back to Buffalo in 2013, with his wife and two children, to begin his academic career. The move was prompted by a desire to find a position that balanced the demands of teaching and research along with more personalized student/professor interaction that is not capable at larger institutions. He is looking forward to participating and serving the committee making a meaningful contribution to our WNYACS chapter.

For Member-at-Large (2017-2018):

Sarah E. Evans is an assistant professor of Biochemistry at Canisius College. Her teaching interests include biochemistry, bioinorganic chemistry, and molecular biology. In her research, Evans uses metal complexes as tools to model biological events, including metal regulatory pathways in bacterial cells. Applications include investigations of the metal- and DNA-binding properties of a vital transcription factor from *Borrelia burgdorferi*, the bacteria that causes Lyme disease. Evans is currently co-chairing the Education Night committee for the WNYACS. Evans served as a post-doctoral fellow in the University of Maryland's School of Pharmacy. She obtained a doctorate in chemistry from the University of Maryland, Baltimore County, and a bachelor's degree in chemistry from SUNY Geneseo.

David Stewart grew up in Western New York and is happy he has been able to stay in Buffalo to teach general and analytical chemistry at D'Youville College. He attended Binghamton University, earning a B.S. in Biochemistry in 2005. After starting graduate school for a Master's in Education, he switched to the Chemistry Ph.D. program at the University at Buffalo. David worked under Diana Aga investigating methods for the identification and quantification of environmental contaminants using various mass spectrometry techniques and earned his Ph.D. in 2014. He continues to pursue research in the area of environmental chemistry with undergraduate students from D'Youville College. He has also helped small groups of high school students from Lewiston-Porter do research projects leading to presentations at International Super Science Fairs in Australia and Singapore.

continued

candidates for Member-at-Large continued

Robert Stewart is a staff scientist at Honeywell International, Inc. He received his B.S. in Chemistry from Canisius College (2011) and Ph.D. in Physical Chemistry from Penn State University (2016). Rob was a member of the ACS student chapter at Canisius from 2007 to 2011 and served as chapter president from 2010 to 2011. Returning to Buffalo, he looks forward to serving WNYACS and the scientific community with creativity and enthusiasm. In his free time, Rob enjoys the outdoors, glassblowing, and family; he can be reached at robert.stewart@honeywell.com.

William Sullivan is a lifelong resident of WNY and has lived in Cheektowaga for the past 43 years. He is an analytical chemist with over 35 years experience, and is retired from that capacity at Praxair in their R&D group. He has worked for a number of local employers, and has been an ACS member for 33 years. He had previously held the post of Member-at-Large for our local section from 2005 to 2014.

For Councilor (2017-2019)

Peter Schaber is past Chair and Professor of Chemistry and Biochemistry at Canisius College. He received his B.S. in Chemistry from Canisius College in 1975, and his Ph.D. in Inorganic Chemistry from the State University of New York at Buffalo in 1980, under the direction of Dr. Robert D. Beremen. From there he accepted a postdoctoral fellowship at Argonne National Laboratory and conducted research under the direction of Dr. J. J. Katz. Dr. Schaber has published over two-dozen articles on a wide range of topics in synthesis, crystallography and analysis. In his 25 years at Canisius College, he has been successful in securing over \$850,000 in external grants to support curriculum modification, instrument acquisition and chemical research. He has held the position of Science Advisor to the Food and Drug Administration, Buffalo District, and has acted as a consultant to several governmental agencies (NASA, Erie County Crime Lab, etc.) and local, national and international industrial firms. Dr. Schaber has been an ACS member since 1975 and has held the positions of Treasurer, Vice-Chair, and Chair in the WNY Section. He was the Program Director when the WNYACS won its first national Phoenix Award in 1980 for "Best High School Program" during National Chemistry Week.

**75 YEARS AGO IN THE DOUBLE BOND**

The following excerpts appeared in the September, 1941 edition of the Double Bond

By now, most of us who have been fortunate enough to obtain vacations have returned from them. Let us attack the problems before us with an earnestness and singleness of purpose which will whole-heartedly reflect our attitude to those pleas for the unity and endeavor so vital to the successful prosecution of our national policy.

This year is doubly important to this Section. One year from now we will be hosts to the National Society of which we are members. This calls for a great deal of work on the part of those responsible. We know you are busy beyond all previous levels and for those purposes your services come first. If you can help our Committee on the National Meeting in any way do not hesitate to do so. If you are called upon to assist, try to give some portion of your remaining time to help those who are already overburdened. Your assistance will go a long way in helping to maintain the position of this Section in the Society. --W. H. Koch, Chairman

One of the big problems we must face in preparation for the National Meeting in September, 1942, is sudden and unexpected changes in personnel among our workers. In the present emergency no man can tell with any certainty where he may be, even one month in advance. Our object must be successfully attained no matter who is called away. The arranging for this meeting is fortunately not a one-man job. It requires the best efforts of all working harmoniously together.

At the meeting of the Executive Committee of the National Meeting held June 10, 1941, this uncertainty of personnel was thoroughly considered and discussed. To insure that in case anything happened to the general chairman, a man thoroughly acquainted with the activities of all the committees would be in a position to carry on, Secretary Nelson Allen was appointed to serve as Vice-Chairman of the Executive Committee...

...to W. H. Koch was assigned Entertainment Committee, Ladies' Entertainment Committee, and Reception Committee. J. S. Reichert has been appointed Chairman of the Golf Committee.

As stated in the last issue of the *Double Bond* there are still vacancies on many committees so volunteers are still wanted. If by either your talents or experience you are capable of serving on some committee please so advise the Chairman.

WNYACS Section Chair 2016

Andrew Murkin
University at Buffalo, SUNY
(716) 645-4249
amurkin@buffalo.edu

Chair Elect 2016

Jason Benedict
University at Buffalo, SUNY
(716) 645-4276
jbb6@buffalo.edu

Vice-Chair 2016

Luis Sanchez
Niagara University
(716) 286-8252
lsanchez@mail.niagara.edu

Secretary 2015-2016

Christopher Patridge
D'Youville College
(716) 829-8096
patridge@dyc.edu

Treasurer 2016-2017

Andrew Poss
Honeywell
(716) 827-6268
andrew.poss@honeywell.com

Councilor 2014-2016

Peter Schaber
Canisius College
(716) 888-2351
schaber@canisius.edu

Councilor 2016-2018

David Nalewajek
Honeywell
(716) 827-6303
david.nalewajek@honeywell.com

Member-at-Large 2016-2017

Dominic Ventura
D'Youville College
(716) 829-7545
venturad@dyc.edu

Newsletter Editor

Timothy Gregg
Canisius College
(716) 888-2259
greggt@canisius.edu

Newsletter Assistant Editor

Alice Steltermann
Canisius College
(716) 888-2340
stelterm@canisius.edu

Schoellkopf Award Chair 2016

Jeffrey Rose
DuPont
(716) 879-4597 (w)
Jeffrey.M.Rose@dupont.com

Education Committee Co-Chairs

Sarah Evans
Canisius College
(716) 888-2342
evans51@canisius.edu

Valerie Frerichs
University at Buffalo, SUNY
(716) 645-4135
zuccari@buffalo.edu

Chemistry Olympiad

Mariusz Kozik
Canisius College
(716) 888-2337
kozik@canisius.edu

National Chemistry Week

David Nalewajek
Honeywell
(716) 827-6303
david.nalewajek@honeywell.com

Senior Chemists

Joseph Bieron
Canisius College
(716) 888-2357
bieron@canisius.edu

Member-at-Large 2015-2016

Sarah Evans
Canisius College
(716) 888-2342
evans51@canisius.edu

Member-at-Large 2016-2017

Lindsay Rose
Niagara County Community College
(716) 614-6866
lrose@niagaracc.suny.edu

Younger Chemists Committee

Jeremy Steinbacher
Canisius College
(716) 888-2343
steinbaj@canisius.edu

ISSUE COPY DEADLINE: FIRST OF MONTH PRIOR TO PUBLICATION

The Western New York Section of the American Chemical Society (ACS) and its editors assume no responsibility for the statements and opinions advanced by the contributors. Views expressed in the editorials are those of the authors and do not necessarily represent the official position of the Western New York Section of the American Chemical Society. All materials to appear in the next issue of *Double Bond* must be received by the editor, in care of the Dept. of Chemistry and Biochemistry, Canisius College, 2001 Main Street, Buffalo, New York 14208, by the FIRST day of the month. Notice for change of address or email should be made through **ACS Member and Subscriber Services** at (800) 333-9511, <mailto:service@acs.org> or the website: portal.acs.org/portal/PublicWebSite/contact/WPCP_007970.

The NF=B Double Bond (aka *Double Bond*) is published from September through June by the WNY Section of the ACS. Contact information is at our website: <http://wny.sites.acs.org>. Member subscriptions are included in the annual National ACS dues. Permission to reprint is granted for this publication.