



Periodical

Canisius Chemistry and Biochemistry Newsletter • Fall 2015

Department to Raise \$1 Million for Research Endowment

The Summer Research Program in the Department of Chemistry and Biochemistry at Canisius has a long and rich history, beginning in the 1950's. Every summer, faculty and students work on research projects that often result in presentations at national meetings and publications in professional journals. Canisius has a distinguished record among the nation's liberal arts colleges for supporting student research and for the number of chemistry and biochemistry majors that continue their education at the graduate or professional level.

Currently, the research program engages approximately fifteen students each summer. Since students are awarded research stipends and also require laboratory supplies, the annual cost of the Summer Research Program is approximately \$50,000. To support the Summer Research Program, the Department of Chemistry and Biochemistry has initiated a development campaign to solicit financial resources.

As a result of generous support from alumni, friends and retired faculty, approximately \$300,000 in endowment and operating funds designated for research has been raised to date. We would like to thank all donors for your support. We offer our special thanks to two donors of significant funds for this endowment: Jerry Zon ('67) and Professor Emeritus Joseph Bieron ('59). In addition, we would like to thank the Class of 1960 Fund (established by James Maul ('60)) that continues to support students travelling to national meetings to present their research results. The long-range goal of acquiring \$1,000,000 for the summer research program has been set and plans are underway to achieve this ambitious goal.

We encourage all our alumni and friends to learn more about this program. Look for more information in the near future.



2015 Summer Student/Faculty Researchers



A Message from the Chair



Greetings to All Griffin Chemists and Biochemists!

In the last issue of Periodical, I wrote that despite challenging times for the college, when during the last 5 years the number of incoming students declined by 20%, this department was able to maintain a constant number of chemistry and biochemistry majors due to increased recruiting efforts. Unfortunately, the old Polish proverb, "Even Solomon cannot pour wine from an empty pitcher" turned out to be correct again. Last year's incoming chemistry and biochemistry majors led to the current sophomore class of only ten students. It appears that the 5-year long (2009 to 2014) decline in the number of students at Canisius finally hit our department all at once in the fall of 2014. We certainly hope that this is indeed a one-time event. The 2015 freshmen class of 33 chemistry and biochemistry majors makes us feel much more confident that in the long run we will be able to maintain a program with around 20 chemistry and biochemistry graduates per year.

This past academic year was the third year of a Major Research Instrumentation NSF grant to purchase a 400 MHz NMR spectrometer, with Mary O'Sullivan as the Principal Investigator. The instrument continues to be used for research by the groups of Mary O'Sullivan, Timothy Gregg, Mariusz Kozik, and Jeremy Steinbacher, as well as in several laboratory courses. This past academic year was also the first year of an NSF grant awarded to Jeremy Steinbacher for his research on MRI contrast agents.

To highlight our research efforts, the department organized its first Summer Research Symposium in July. Our students presented their research to their fellow students, faculty, administrators, alumni, and their families. We plan to make this an annual event and hope that more alumni can attend in the future. More information about the symposium appears within the Newsletter.

Beyond academics, our students continue to impress me with their broad based talents. Besides doing excellent work in their courses and research they also participate in student government, compete in varsity sports, and serve the needy with campus ministry.

At this time, as always, I am reminding all readers that the Department would not exist as a community without the wonderful interactions we have with our alumni. I encourage you to continue to keep us up to date with events in your lives; we so much enjoy hearing about your new family members, your new careers and jobs, and your adventures. Also, don't be shy, please consider sharing with our Griffin Chemists and Biochemists community and submit information for future Newsletters and for our alumni profile webpage at <http://www.canisius.edu/chemistry/alumni/alumni-contact-us/>

We often think of our alumni and we are proud of your accomplishments.

Keep in touch!

A handwritten signature in black ink, appearing to read "Mary O'Sullivan".

This issue of Periodical, the Canisius Chemistry and Biochemistry Newsletter, was prepared under the guidance of our editors, Phil Sheridan and Jeremy Steinbacher. Many thanks go to Rebecca Francisco for layout assistance.

Faculty & Staff

Mariusz Kozik, Ph.D.
Chair, Inorganic Chemistry

Mary O'Sullivan, Ph.D.
Organic Chemistry

Peter Schaber, Ph.D.
Analytical Chemistry

Timothy Gregg, Ph.D.
Organic Chemistry

Roberto Gregorius, Ph.D.
Chemical Education

Phillip Sheridan, Ph.D.
Physical Chemistry

Steven Szczepankiewicz, Ph.D.
Analytical Chemistry

Sarah Evans, Ph.D.
Biochemistry

Jeremy Steinbacher, Ph.D.
Materials Chemistry

Allyson Backstrom, Ph.D.
Organic Chemistry

Kristina Marohn, M.S.
General Chemistry Laboratory

James Maul, Ph.D.
Organic Chemistry Laboratory

Frank Dinan, Ph.D.
Professor Emeritus

Joseph Bieron, Ph.D.
Professor Emeritus

Thomas Stabler, M.S.
Director of Chemistry Laboratories

Alice Steltermann
Administrative Associate

Contact the department office at:
stelterm@canisius.edu
or call us at 716-888-2340

In Memoriam: Professor Ray Annino

Ray Annino, a long time professor in the Chemistry and Biochemistry Department, passed away at the age of 87, on May 9, 2015. He earned his B.S. degree at Columbia University in New York City and a Ph.D. degree at Oklahoma State University in 1955. Ray joined the faculty of Canisius College in 1960 as an analytical chemist and resigned in 1967 to join Foxboro Instrument Company. His early research investigated the mechanism of electroreductions of organic compounds. He returned to the Canisius faculty in 1972 where he applied his industrial experience in instrumentation to research in gas chromatography.

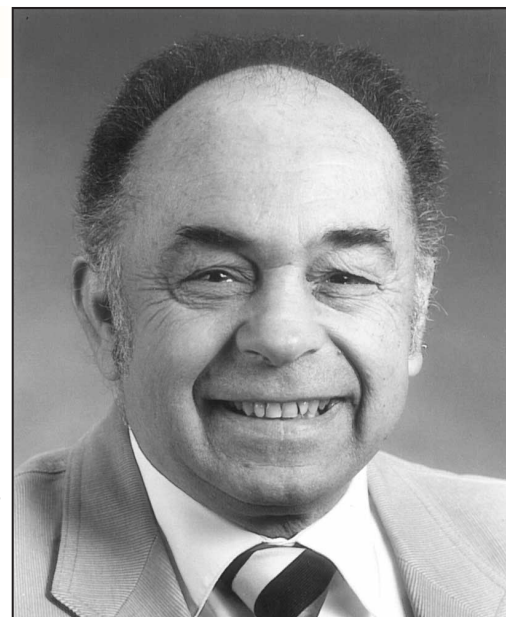
In 1983 he was the first ever faculty member of Canisius College to receive the Schoellkopf Medal, the prestigious award annually presented by the Western New York Section of the American Chemical Society. The citation read, "1983 Raymond Annino, Canisius College, Buffalo, NY, for contributions to the technology of gas chromatography, the development of the Pneumatic Gas Chromatograph, and its use in process control."

Ray returned to work at Foxboro in 1991 where he eventually retired from his professional career. During his combined careers in academics and industry there were many highlights. He was a co-inventor of the all-pneumatic, on-line gas chromatograph (commercialized by the Foxboro Company as the PCT), which received an IR-100 award. In addition to his some 80 journal publications and five patents, he co-authored two books, "The Use of Personal Computers in the Laboratory" and "Process Gas Chromatography: Fundamentals and Applications," that were well reviewed.

In addition to his many accomplishments as a chemist, Ray was a true renaissance man. A member and past president of the Rhode Island Watercolor Society, he was an accomplished watercolorist and his paintings are still available at several galleries. As an accomplished skier he was a member of the National Ski Patrol for twenty years. He was an avid sailor as a crew member of ocean going sailing vessels engaged in racing competition.

For all the hundreds of alumni and former faculty who knew Ray, he was a real friend, an accomplished mentor, an engaging teacher, and a cherished family man.

Ray Annino, rest in peace.



THIS AWARD PRESENTED TO
 DR. RAYMOND ANNINO
 FOR BEING THE BIGGEST, NICEST,
 FRIENDLIEST CUB SCOUT IN THE
 WHOLE, WIDE WORLD.

The Alchemist is Now Online!

Remember *The Alchemist*? That satirical publication of the Student Affiliate of the American Chemical Society from the early 1960's to the late 1990's is now online. An incomplete collection of issues can be found at <http://www.canisius.edu/chemistry/alumni/the-chemist/>. If you have issues that are not currently found on this webpage, please send either a paper copy by mail to Phil Sheridan or a scanned copy to sheridap@canisius.edu so that we can add to the archive.

the
 alchemist

Thank You!

We would like to express our sincere gratitude to all those listed below who have made a recent generous financial contribution to the Department of Chemistry and Biochemistry:

Elisabeth A. Geyer ('13), Jessica L. Stachowski ('12), Jane K. Arcadi, M.D. ('09), Jeffrey M. Rose, Ph.D. ('03), Thomas W. Kermis, Ph.D. ('96), Kristen M. Kulinowski, Ph.D. ('90), Terrence R. Burns, M.D. ('87), Laurie E. Lynch, Ph.D. ('84), Diane B. Baisch ('83), Michael J. Cubera ('75), David G. Hanguer, Jr., Ph.D. ('74), David Nalewajek, Ph.D. ('74), Daniel E. Rega ('74), Michael V. Darby, Ph.D. ('72), Michael R. Krajewski ('72), Mark J. Kramer, M.D. ('72), Paul L. Piciulo, Ph.D. ('72), Pasquale V. Bochiechio, D.D.S. ('71), Peter J. Carrillo, M.D. ('71), Paul A. Backlas ('70), Gerald Zon, Ph.D. ('67), J. William Canavan, M.D. ('66), Dennis P. Bakalik, Ph.D. ('65), Daniel J. Delecki ('65), Joseph P. Lafornera, Ph.D. ('64), Kenneth F. Pompei, Ph.D. ('63), Raymond J. Lange, Ph.D. ('61), Florian R. Perini, Ph.D. ('61), David R. Brackenridge, Ph.D. ('60), Robert L. Kuczowski, Ph.D. ('60), James J. Maul, Ph.D. ('60), David W. Skelly, Ph.D. ('60), Joseph F. Bieron, Ph.D. ('59), Edward E. Mercer, Ph.D. ('55), Henry Heubusch ('45), Richard E. Stanton, Ph.D.

We would like also like to acknowledge the alumni listed below who gave scientific talks in our department. Thank you for sharing your expertise, advice, and stories of life beyond Canisius.

Andrew Kauffman ('11), University of Rochester

Robert Stewart ('11), Pennsylvania State University

Michael Fennie ('01), University of Scranton

Physical Chemistry Laboratory Dedication

The physical chemistry laboratory has been dedicated in honor of two Jesuit chemists, Rev. Clarence C. Schubert, S.J. (CHM MS '46) and Rev. Adam J. Keller, S.J. The dedication was made in grateful appreciation of a gift from Clement F. (CHM '40, MS '43), Alma Schubert, and family to the Legacy of Leadership Campaign. Clarence Schubert was the uncle of Clement Schubert and Adam Keller was Clement's father's uncle. The laboratory was ceremoniously dedicated on Saturday, October 25, 2014, with Clem's family members in attendance.



Clem Schubert

Jim Maul's Celebration of Service Dinner

The Department gathered at the Red Mill Inn in Williamsville on May 21, 2015 to celebrate Jim Maul's (CHM '60) 15 years of teaching the organic chemistry laboratory at Canisius. The dinner was well attended by Canisius faculty, Jim's family and friends, and Jim's laboratory teaching assistants.

Jim was commissioned as an officer in the Army through the ROTC program at Canisius College. He received a Ph.D. in chemistry from Wayne State University and served two years in the military after graduation. Jim worked as



Jim and Carol Maul

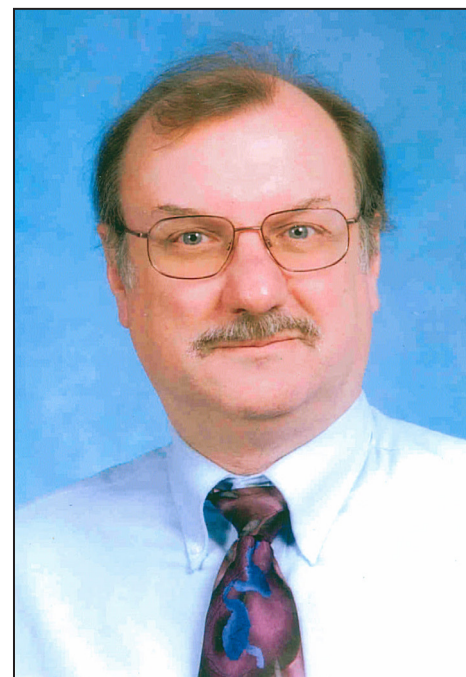
a research chemist at Occidental Chemical at its facility on Grand Island his entire professional career. Jim's work in organic chemistry is documented in both journal articles and patents, especially his advances in the halogenation of aromatic molecules.

Crowdle Award: David Nalewajek '74

The Student Chapter of the American Chemical Society (SCACS) and the Department are proud to announce their selection of David Nalewajek (CHM '74) as the 10th recipient of the James H. Crowdle Award for Distinction in Chemistry for his work in the development of environmentally acceptable CFC replacement molecules. This award is the highest recognition that the Department bestows on its alumni.

Dave earned his Ph.D. degree in chemistry from the University at Buffalo in 1978 and was then a postdoctoral fellow at Bell Laboratories. He is currently a Senior Principal Scientist at Honeywell International. He holds 61 U.S. Patents. In 2003 he was the recipient of the Schoellkopf Medal from the Western New York local section of the American Chemical Society, and in 2009 he received the Distinguished Alumni Award from Canisius College. In 2015 he was elected a fellow of the American Chemical Society. Dave is a long-serving officer in the WNY local section of the ACS and has been extensively involved in STEM (science, technology, engineering, and mathematics) outreach activities at local schools.

The Canisius SCACS and the Department will present the Crowdle Award to Dave at a dinner to be held on Friday, February 26, 2016 in Grupp Fireside Lounge at Canisius College. Additional information will be posted on the Department homepage early next year.



Department History



Joe Bieron

The college will celebrate its 150th anniversary in 2020. In this long history, the Department slowly evolved in its early days, during the time when the college began on Washington St. in Buffalo until moving to its new building at 2001 Main St. Once in Old Main, the Department developed its own identity, and in 1937 it found a home in the Horan O'Donnell Building.

Joe Bieron has undertaken the process of writing a 100 year (1913 – 2013) history of the Department. He had the idea to write the history after he realized that he has been a part of the Department for about half of this time period, as a student 1955-59 (BS), 1959-61 (MS), as a faculty member 1966-2004, and as professor emeritus (2005-present).

A first draft of the history has been completed. Extensive editing, rearranging, and supplementing with additional information is now needed. Anyone who wants to volunteer his/her services to read the first draft and add to the rich history of the department is encouraged to contact Joe at bieron@canisius.edu. You can also share your stories about the Department (all stories are worth sharing) at www.canisius.edu/chemistry/alumni/history. The history is expected to be completed by June 2016 and will be posted on the Department website.

Gassman Seminar

The Department was very pleased to present Phil S. Baran, the Darlene Shiley Chair in Chemistry at the Scripps Research Institute in La Jolla, CA as the 2015 Gassman Memorial Seminar speaker. The presentation, held on Friday, March 13, 2015, at 1 p.m. in Montante Cultural Center, was entitled “Studies in Natural Product Synthesis.”

Professor Baran, “one of the most brilliant young organic chemists that I have ever worked with or known” according to E.J. Corey, is a superstar in the field of organic total synthesis, specializing in complex molecules derived from natural sources. Baran earned his Ph.D. from The Scripps Research Institute working in K.C. Nicolaou’s lab and was a post-doctoral fellow in E.J. Corey’s lab at Harvard University. He began his independent career at Scripps in 2003, and has since earned a remarkable number of academic and industrial awards and honors.



Prof. Baran (right) with Chemistry/Biochemistry majors

Professor Baran’s visit to Buffalo began with a dinner the evening before his seminar. Faculty and students from the Department were joined by organic chemists invited from around the region, including the University at Buffalo, Hauptman-Woodward Institute, and chemical companies. The next day, Baran met individually with the faculty in the Department, discussing his and our work as chemists and as educators. For chemistry majors, a highlight of the visit was a lunch with Baran. In the afternoon, Baran wowed a packed house in Montante Cultural Center with his Gassman Seminar, in which he discussed several of his recent total syntheses and the organic chemistry needed to make such molecules.

Paul Gassman, PhD, was a distinguished alumnus of Canisius College and a major benefactor. He died prematurely in 1993 and this seminar series was established in his honor. The Gassman Memorial Seminar series provides opportunities for science majors in the beginning of their college studies to meet with and hear a renowned chemist discuss their research and the impact of their work on our environment and society. Previous speakers have included: Jerrold Meinwald (Cornell University), Harry Gray (California Institute of Technology), Carolyn Bertozzi (University of California, Berkeley), Geoffrey Coates (Cornell University), and Melanie Sanford (University of Michigan).

Alumni Notes

Jerry Zon (CHM ’67) was a recipient of the 2015 Canisius Distinguished Alumni Award on September 26, 2015.

Thomas Kermis (CHM ’96) is a Technical Service and Development Manager at Dow Microbial Control.

Veronica Maher (CHM ’02) was inducted into the Canisius Sports Hall of Fame (softball) on January 25, 2015.

Elizabeth (Gruber) Brém (BCH ’06) and her husband András welcomed their son, Milan Friedrich Brém, into the world on December 19, 2014.

Arlie Rinaldi (CHM ACS ’06) received her Ph.D. in Chemistry from the University of Michigan in 2013. She is currently a Visiting Assistant Professor of Chemistry at the Claremont Colleges in Claremont, CA.

Ryan Bolt (CHM HT ’12) is currently attending Medical School at Edward Via College of Osteopathic Medicine in Blacksburg, VA.

Senior Awards

WNY ACS Student General Excellence Award: Highest award given by the Department; the recipient is acknowledged for outstanding achievement and significant research accomplishments.

American Institute of Chemists Chemistry Award: Recognition on the basis of a demonstrated record in leadership ability, character, scholastic achievement, and advancement potential in the chemical professions.

Gerald Zon Undergraduate Research Award: Recognizes significant research accomplishments.

V. A. Ruszkiewicz Award: Recognition of superlative academic achievement demonstrated by the highest GPA in the Department.

Jeffrey Rose Service Award: Recognizes extraordinary service to the Department and the Student Chapter of the American Chemical Society, as well as excellent academic achievement.

Carly Andriaccio
American Institute of Chemists
Biochemistry Award
Gerald Zon Undergraduate Research Award

Caleb Kitcho
WNY ACS Student General Excellence
Award in Biochemistry
Gerald Zon Undergraduate Research Award

Jonathan Binns
V.A. Ruszkiewicz Award
WNY ACS Student General Excellence
Award in Chemistry
Gerald Zon Undergraduate Research Award

Michael Rodman
V.A. Ruszkiewicz Award
Gerald Zon Undergraduate Research Award

Andrew Cherny
Gerald Zon Undergraduate Research Award

Caressa Trueman
American Institute of Chemists Chemistry
Award
Jeffrey Rose Service Award

Class of 2015

Carly Andriaccio (BCH)
Max Baldauf (CHM): Chemical Assayer, Matterion Company
Jonathan Binns (CHM ACS): Research Chemist, Kinex Pharmaceuticals
Andrew Cherny (BCH ACS): Quality Control Analyst, Bureau Veritas
Nicolas Ciesiulka (BCH, BUS minor): Product Development and Sales, Curbell Medical
Robert Comfort (CHM)
Stephanie Frankenberger (CHM, PHY minor)
Ashley Gluszek (CHM HT): Pharmacy School, D'Youville College
Caleb Kitcho (BCH): Medical School, University at Buffalo
Kayahan Kosar (CHM HT): Post Baccalaureate Dental Program, LECOM



Stephanie Lanza (CHM HT)
Megan Pajak (BCH ACS)
Nicole Przespo (CHM HT, PHI minor): Pharmacy and Law School, University at Buffalo
Dustin Radka (BCH)
Michael Rodman (CHM HT): Medical School, University at Buffalo
Nick Russo (BCH)
Skyler Sweeney (CHM HT)
Brittney Tomani (BCH)
Caressa Trueman (CHM HT): Pharmacy School, Creighton University

Student Researchers

Sarah Evans:

Carly Andriaccio (BCH '15), Christian Binns (BCH ACS '17), Gabrielle Budziszewski (BCH '16), David Krasinski (BCH '18), Dustin Radka (BCH '15)

Tim Gregg:

Jacob Iannuzzelli (BCH ACS '17), Kenny Vu (BCH '16)

Mariusz Kozik:

Ben Swanson (CHM HT '17) Cameron Smith (HS), Daniel Wrafter (HS)

Mary O'Sullivan:

Joseph Lesh (BCH ACS '17), Timothy Utz (CHM HT '18)

CHM/BCH: Chemistry/Biochemistry Major

ACS: Degree certified by the American Chemical Society

Peter Schaber:

Jena Congilosi (CHM ACS '16), Gurkaran Johal (BCH '18), Nick Russo (CHM HT '15)

Phil Sheridan:

Connor Tumiel (BCH '17)

Jeremy Steinbacher:

Jonathan Binns (CHM ACS '15), Sabrina Fitzgerald (BCH '17), Jonathan Kasper (CHM '18), James Rutowski (CHM ACS '17)

Steve Szczepankiewicz:

Nicole Fusco (CHM ACS '16), Trevor Tumiel (CHM ACS '17)

CHM HT: Chemistry, Health Professions Major

HS: High School

Summer Research Symposium

The first annual Department of Chemistry and Biochemistry Summer Research Symposium was held on Wednesday, July 22, 2015. More than 70 students, alumni, family members, faculty, and administrators attended the poster presentations given by 17 Canisius research students.



The students presented results from their research carried out during the summer under the guidance of the chemistry and biochemistry faculty. Following the symposium, all in attendance were invited to a barbeque picnic. The second annual Summer Research Symposium will be held on Wednesday, July 27, 2016. We hope to see you there!!

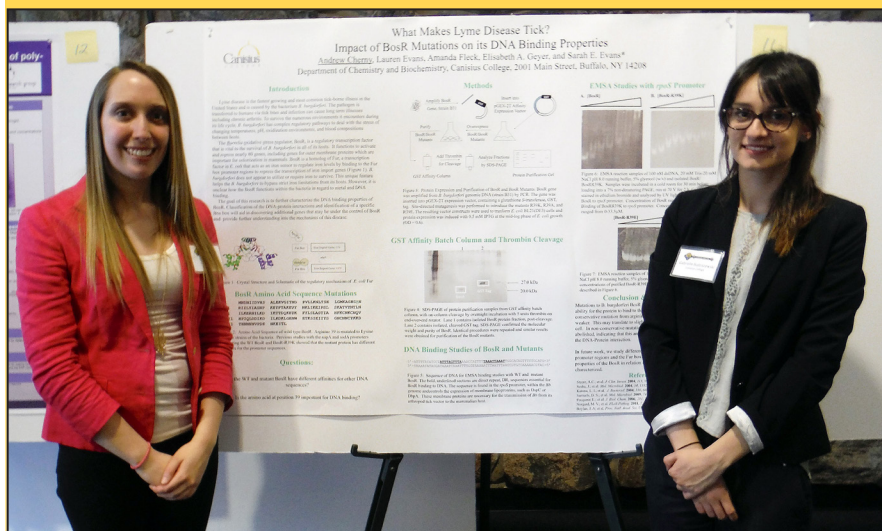
Faculty and Student Presentations*

S. Fitzgerald, J. J. Rutowski, J. A. Binns, J. M. Schnitter, and J. L. Steinbacher, “Toward a Multifunctional ^{19}F MRI Contrast Agent Based on Mesoporous Silica Nanoparticles”, 8th ACS Western New York Section Undergraduate Research Symposium, Buffalo, NY, 2015.

C. B. Tumiel, J. J. Lesh, and P. M. Sheridan, “Laser Excitation Spectroscopy of CaO_2CH and CaO_2CCH_3 ”, 8th ACS Western New York Section Undergraduate Research Symposium, Buffalo, NY, 2015.

L. Evans, G. Budziszewski, and S. E. Evans, “What Makes Lyme Disease Tick? Impact of Amino Acid Mutations on DNA Binding of Master Regulator, BoSR”, 8th ACS Western New York Section Undergraduate Research Symposium, Buffalo, NY, 2015.

S. Fitzgerald, J. J. Rutowski, J. A. Binns, J. E. Hitro, J. M. Schnitter, and J. L. Steinbacher, “Toward a Multifunctional ^{19}F MRI Contrast Agent Based on Mesoporous Silica Nanoparticles”, Northeastern Regional Meeting of the American Chemical Society, Ithaca, NY, 2015



L. N. Zack, M. P. Bucchino, M. K. L. Binns, J. P. Young, P. M. Sheridan, and L. M. Ziurys, “Hyperfine Resolved Pure Rotational Spectroscopy of ScN , YN , and BaNH ($X^1\Sigma^+$): Insight Into Metal-Nitrogen Bonding”, 70th International Symposium on Molecular Spectroscopy, Columbus, OH, 2015.

Peer-Reviewed Publications*

M. P. Bucchino, **J. P. Young,** P. M. Sheridan, and L. M. Ziurys, “Structural Determination and Gas Phase Synthesis of Monomeric, Unsolvated IZnCH_3 (\tilde{X}^1A_1): A Model Organozinc Halide”, *J. Phys. Chem. A* **2014**, *118*, 11204.

M. O’Sullivan, **H. Valdes, K. Dauer, N. Karney, A. Forrestel,** T. Durham, C. J. Bacchi, J. Baker, “Dibenzylsuberyl Substituted Polyamines and Analogs of Clomipramine as Effective Inhibitors of Trypanothione Reductase, Molecular Docking, and Assessment of Trypanocidal Activities”, *Bioorg. Med. Chem.* **2015**, *23*, 996.

B. Jin, P. M. Sheridan, D. J. Clouthier, “Applied Quantum Chemistry: Spectroscopic Detection and Characterization of the F_2BS and Cl_2BS Free Radicals in the Gas Phase”, *J. Chem. Phys.* **2015**, *142*, 124301.

L. N. Zack, M. P. Bucchino, **M. K. L. Binns, J. P. Young,** P. M. Sheridan, and L. M. Ziurys, “Fourier Transform Microwave Spectroscopy of Metal Nitrides and Imides: Quadrupole Structure in ScN ($X^1\Sigma^+$), YN ($X^1\Sigma^+$), and BaNH ($X^1\Sigma^+$)”, *J. Mol. Spectrosc.* **2015**, *317*, 10.

*Canisius Undergraduates in Bold

Outreach Notes

Outreach to our community not only follows the Jesuit model of service to others, but is a primary goal of the department. We aim to engender a spirit of inquiry and scientific pursuit in area youth. We strive to encourage this spirit beyond the formative years by offering these individuals continued scholarship opportunities. Finally, we encourage our students to engage in community outreach and provide opportunities so that they may multiply our overall outreach efforts and affect more young people.



2015 Science Camp Staff

Summer Science Camp: 2015 proved to be another successful year for the Summer Science Camp led by Steve Szczepankiewicz and Phil Sheridan. 300 middle school campers learned about sound, propulsion, weather, exercise science and simple machines through hands-on activities. Scholarships were generously provided by Time Warner Cable. The 2016 Summer Science Camp will take place August 8 – 12, 2016. More information can be found at www.canisius.edu/sciencecamp.

Chemistry Olympiad: Honeywell's Buffalo research laboratory continued its support of the Chemistry Olympiad in WNY with a \$10,000 grant. Hosted by Mariusz Kozik, this chemistry competition continues to attract 70 of the best students from over 20 local high schools.

Science Olympiad: The 2015 Lake Erie/Niagara Regional New York State Science Olympiad was held in Science Hall, with Phil Sheridan serving as Canisius coordinator. Over 500 students from 25 local high schools participated in 26 science competition events. The 2016 Regional Science Olympiad will take place at Canisius on January 30, 2016.



2015 Science Campers



News from the Student Chapter of the ACS

For the 2014-2015 academic year, the Canisius SCACS has been awarded a Commendable Chapter Award. Congratulations to the 2014-2015 executive board members for all of their hard work! The Chapter was featured in the spotlight section of the February/March 2015 issue of *In Chemistry*, the magazine for ACS student members.

President: Jonathan Binns (CHM ACS '15)
 Vice President: Caressa Trueman (CHM HT '15)
 Treasurer: Lauren Evans (BCH ACS '16)
 Secretary: Joseph Lesh (BCH ACS '17)
 Historian: Christian Binns (BCH ACS '17)
 Faculty Advisor: Phil Sheridan



SCACS vs. $\beta\beta\beta$ Football Game. SCACS won!

Chemical Demonstration



Annual Department Banquet





Department of Chemistry & Biochemistry
Canisius College
2001 Main Street
Buffalo, New York 14208-1035

Return Service Requested



Keep in Touch!

We enjoy hearing from you! There are several ways to stay connected to the Department:

Check us out on Facebook! Send a friend request to SCACS Canisius.

Visit our website at <http://www.canisius.edu/chemistry/>

Please consider contributing a description of your professional experiences to our alumni profile page. Profile information, as well as other updated information (email address, mailing address, newsletter updates, etc.), can be sent to us using the form at:

<http://www.canisius.edu/chemistry/alumni/alumni-contact-us/>

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