ACS of Western New York

Double Bond

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

Volume 88 ***August 2016***

2016 SCHOELLKOPF MEDAL

The Western New York Section of the
American Chemical Society
invites you to be present
at the eighty-sixth presentation of the
Jacob F. Schoellkopf Medal
to

Michael R. Detty

Tuesday evening, the twentieth of September
two thousand sixteen

Cash bar with cold and hot hors d'oeuvres at six o'clock
Dinner at seven o'clock

Presentation to follow dinner

Salvatore's Italian Gardens
6461 Transit Rd Depew, NY

Formal Dress Optional
R.S.V.P. by September 16, 2016

(further details are found on pages 2 and 3)

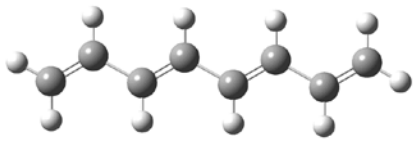
CALL FOR OFFICER NOMINATIONS

If you are interested in the goals and activities of the American Chemical Society, then get involved with the Western New York Local ACS Section. We are looking for members who can bring energy and ideas to the Local Section Executive Committee. Offices to be filled include Vice-Chair, Treasurer (2-year term) and Member-at-Large (2-year term).

If you are interested in becoming more active in our section, or wish to nominate someone, please contact a member of the current executive board listed at the end of this newsletter to discuss your ideas. If you have no experience with the local section, contact us; we can help you get involved!

Nominations, including contact info for the nominee, should be sent to Dr. Timothy Gregg by email at greggt@canisius.edu or call (716) 888-2259 by September 15, 2016.

Elected officers must be members of ACS.



THE 2016 JACOB F. SCHOELLKOPF MEDAL

The Schoellkopf Medal is the oldest award of the American Chemical Society (ACS) given by a local section. The Jury for the Schoellkopf Award of the ACS selected Michael R. Detty, Professor of Chemistry in the Department of Chemistry, University at Buffalo, as the 2016 Schoellkopf Award recipient:

> *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.*

Michael Detty was born and raised in central Ohio and received a B.Sc. in chemistry from Bowling Green State University in 1972 and a Ph.D. in chemistry from The Ohio State University in 1977 with an emphasis in organic chemistry under the mentorship of Professor Leo A. Paquette. Dr. Detty's independent research career began at the Eastman Kodak Company in Rochester, NY, where he worked from 1977 through 1994. While there, he was in the "blue sky" organic research groups of the Kodak Research Labs in the Chemistry and Electrophotography Divisions specializing in the development of novel infrared-absorbing dye chromophores. He published 62 peer-reviewed publications and generated 26 patents at Kodak. For these efforts he received the Phi Beta Kappa Alumni Achievement Award from Bowling Green State University in 1991 and the Kodak CTO Patent Award in 1994.

Dr. Detty moved to the University at Buffalo in 1995, joining the Department of Medicinal Chemistry in the School of Pharmacy and moving to the Department of Chemistry in the College of Arts and Science in 2000. He served as Chair of the Department of Chemistry from the 2012/2013 academic year through the 2015/2016 academic year. At the University at Buffalo, Dr. Detty has written more than 130 peer-reviewed publications and holds 7 US Patents from this work.

Dr. Detty became a member of the American Chemical Society in 1974 when he was a graduate student at Ohio State and he has been a continuous member ever since. He has served as treasurer of the Rochester Section of the ACS and was faculty adviser for the Student Affiliates of the American Chemical Society at the University at Buffalo from 2002 through 2012.

While at the Eastman Kodak Co., Dr. Detty began his teaching career as adjunct faculty in the College of Continuing Education and Department of Chemistry at the Rochester Institute of Technology. At the University at Buffalo, he has taught both undergraduate and graduate chemistry courses and also teaches a seminar in the Honors College (Conflicts in Science: Religion, Politics and Ethics) to undergraduate students of all disciplines. His love of teaching has been recognized with the Undergraduate Student Association Milton Plesur Award for Excellence in Teaching in 2000 and the SUNY Chancellor's Award for Excellence in Teaching in 2004. He has mentored eighteen students completing the Ph.D. and thirty-one students completing either M.A. or M.Sc. Thirty-six undergraduate researchers have spent a year or more conducting research in his labs.

Dr. Detty was trained as a physical organic chemist, and his graduate work and research in his independent career are characterized by the design of molecules for specific function. In Western New York, this approach has been directed toward problems in medicinal chemistry, materials science, aerobic catalysis, solar energy, biofouling, and biomedical imaging. His research group has worked collaboratively with local, national, and international entities including the Roswell Park Cancer Institute (photodynamic therapy), the University of Rochester Medical Center (photodynamic therapy), the Wake Forest School of Medicine (extracorporeal photopheresis), the Memorial Sloan Kettering Cancer Center (biomedical imaging), the University of Strathclyde (Glasgow, biomedical imaging), the University of Toronto (multi-drug resistance), Eli Lilly & Co. (multi-drug resistance), the University of Rochester (solar energy), and Newcastle University (biofouling). The collaborations have developed intellectual property based on materials designed by researchers in the Detty group.

2016 SCHOELLKOPF AWARD BANQUET

Tuesday, September 20, 2016

Salvatore's Italian Gardens

6461 Transit Rd Depew, NY

For reservations, please call Alice Steltermann at the Canisius College Department of Chemistry and Biochemistry (716) 888-2340

Dinner Selections:

Prime Rib

Chicken Saltimbocca

Broiled White Fish

Roasted Vegetables
with Mediterranean orzo

Wine served with meal

$40 per person ($20 per student)

Please respond by September 16, 2016

Make checks payable to
Western New York Section – American Chemical Society.

75 YEARS AGO IN *THE DOUBLE BOND*

A review of Chemical Warfare *by Curt Wachtel appeared in the July, 1941 edition of* The Double Bond

Curt Wachtel organized the pharmacological section of the Kaiser Wilhelm Institute during the world war. This book includes a summary of his experiences in the testing of over three hundred toxic gases on animals, as well as many sidelights on the German Chemical Warfare Service in the last war.

Dr. Wachtel attempts in this book to trace the evolution of toxic agents in warfare, describe the organization of the German gas research in World War I, classify and describe the known war gases and pay many a tribute to the genius of Fritz Haber. That is a lot to cover in less than 300 pages…

Gas will be used in the present war whenever it becomes advantageous to either side to employ it according to the author. Only the knowledge that the enemy is able to retaliate in both quantity and quality of toxic gases will cause the military authorities to hesitate to use them.

In the opinion of the author mustard gas is still the king of the war gases and definitely superior to the American Lewisite. However, since the results of twenty years of research on toxic gases are military secrets just what the most effective gas in existence today may be, is not known and will not be known until large scale use has been made of the new gases that have undoubtedly been developed. His picture of a total war where not only the fighting efficiency of the soldiers is destroyed but civilian population is subjected to prolonged disease and death after their means of production are destroyed by air raids is certainly not a pretty one, yet Americans must even now consider such an eventuality. The chief value of Dr. Wachtel's book, in the opinion of the reviewer, is in pointing out the mistakes of the Germans in the last war with the hope that our chemical warfare service will not make the same mistake of bureaucratic control if ever it is called upon to use gas warfare on a large scale.

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