



# Double Bond

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

Volume 80

November 2008

## 2008 JACOB F. SCHOELLKOPF MEDAL

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

to

**Rajiv R. Singh, PhD**

Tuesday evening the ninth  
of December, two thousand and eight

Cash bar with hors d'oeuvres at six o'clock  
Dinner at seven o'clock  
Presentation to follow dinner

Salvatore's Italian Gardens Restaurant  
6461 Transit Road, Depew, NY

*Formal dress optional*  
*RSVP by November 25, 2008*

*See page 10 for reservation instructions*

## LOCAL SECTION ELECTIONS

This issue of *The Double Bond* includes your ballot for the 2009 executive board elections, as well as brief biographical statements from the candidates. Please turn to page 11 and help out in your local chemistry community by returning your ballot promptly.

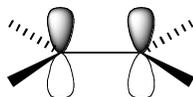
Hurry! The voting deadline is November 25, 2008.

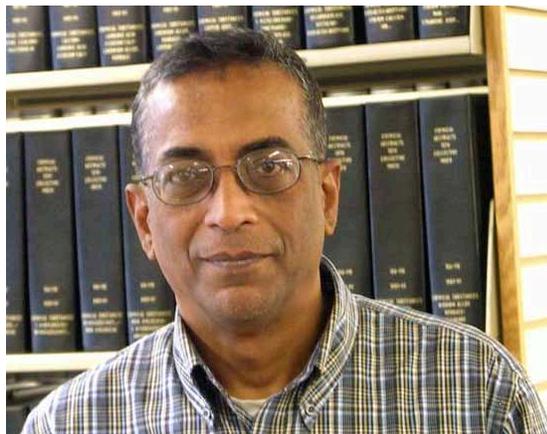


## JAMES FELGER 1928-2008

James Felger died on October 17, 2008 at age 80. Jim was a member of the local ACS Section for over 50 years. He was a past chairman and one of the Section's most active members. For many years, Jim was in charge of organizing and publicizing the annual Schoellkopf Award Dinner. He was secretary of the Award Committee and maintained all the committee correspondence, which is now, located in University of Buffalo archives.

With his passing, his friendship and service to the Section will be greatly missed.



**JACOB F. SCHOELLKOPF MEDAL****DR. RAJIV R. SINGH**

The Schoellkopf Medal is the oldest ACS local section award in the nation, and was named in honor of chemical industry entrepreneur Jacob F. Schoellkopf, founder of National Aniline Works. The Jury for the Schoellkopf Award selected Dr. Rajiv R. Singh, Senior Technical Fellow of the Buffalo Research Laboratory of Honeywell International, as the 2008 Schoellkopf Medal recipient. In making the selection for the 2008 Schoellkopf Medal, the jury cited Dr. Singh

*for his innovative research on the development of environmentally safe non-ozone depleting, non-greenhouse warming products for the automotive, refrigeration and foam blowing industries resulting in the protection of the earth's ecosystem, his leadership roles on national and international committees establishing global policies for ozone depleting and greenhouse warming chemicals and his mentorship of young investigators.*

Rajiv Singh obtained his B.Sc. degree with Honors in Chemistry from Benares Hindu University in India in 1978, and joined Heavy Water Projects, working on a process to establish a deuterium separation unit coupled to an ammonia plant. He graduated from the University of Tennessee in Knoxville with a Ph.D. in Chemistry in 1987. From 1987 to 1989, Rajiv worked as a postdoctoral associate at the Lawrence Berkeley Laboratory and University of California, Berkeley with Professors Kenneth Pitzer and John Prausnitz in the area of chemical thermodynamics and statistical mechanics of ionic fluids and molecular simulation.

In 1989 he accepted a position as a research chemist at the Buffalo Research Laboratory of AlliedSignal (a descendant of the Schoellkopf Aniline Co., now Honeywell International) in South Buffalo, where he remains as a Senior Technology Fellow, responsible for the development of new environmentally friendly products and processes. He lives in Amherst with his wife, Ansu, and children, Rahul, Neha and Neil.

Rajiv has published over twenty peer-reviewed scientific articles, and is listed as an inventor on over sixty-five patents, many of which have been commercialized. He received the 1993 and 1996 Technical Achievement Award from Honeywell, as well as the Chairman's Award in 1995 for the commercialization of AZ-50, an environmentally acceptable refrigerant blend. Since 2005, Rajiv has served as the vice-chair of the Joint AIChE/ASME Committee on ThermoPhysical Properties. He serves as a reviewer for the ACS journals, *Industrial and Engineering Chemistry* and *Journal of Chemical and Engineering Data*, and for *International Journal of Thermophysics* and *International Journal of Refrigeration*. He is an ex-chair of the Refrigerant Research sub-committee of ASHRAE and has given invited seminars at the Chemical Eng. Dept. of University of California, Berkeley, the Physics Dept. of SUNY, Buffalo, the Chemistry Dept. of the University of Central Florida and also at a number of industrial and environmental symposia.

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**2008 JACOB F. SCHOELLKOPF  
AWARD DINNER**

To make reservations, please call Alice Steltermann  
at the Canisius College Department of  
Chemistry & Biochemistry, at 716-888-2340.

Dinner Selections:

**Filet Mignon**

**Penne ala Roma** - vegetarian (sauteed in olive oil,  
wild mushrooms, garlic, tomato, artichokes and It. spices)

**Stuffed Flounder** (served with white cream sauce)

**Chicken Francaise** (served with lemon caper butter)

Wine served with meal.

\$40.00 per person

(Your cancelled check will be your receipt.)

Tickets may be picked up at the door.

**Please respond by November 25, 2008.**

Make checks payable to:

Western New York Section - American Chemical Society

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**WNYACS LOCAL SECTION ELECTIONS**

Ballots must be emailed or postmarked by  
**November 25, 2008**

***Ballot for 2009 Officers of the Western New York Section of the American Chemical Society***

**Chair** (vote for 1)  
Bernard Pointner

**Chair-Elect** (vote for 1)  
Valerie Frerichs

**Vice-chair** (vote for 1)  
Jeffery M. Rose  
William Sullivan

**Secretary** (vote for 1)  
Mary O'Sullivan

Please **SELECT** and **COPY** the above ballot text to an email and type X's beside the names of the candidates you wish to vote for.

Forward the email to: [greggt@canisius.edu](mailto:greggt@canisius.edu) before the **Voting Deadline: November 25, 2008.**

To vote by paper, print and detach the above ballot, mark your votes with an X and send the ballot to:

**Dr. Timothy Gregg**  
**Dept. of Chemistry and Biochemistry**  
**Canisius College**  
**2001 Main St.**  
**Buffalo, NY 14208**

**CANDIDATE BIOGRAPHIES****For Chair:**

**Bernard Pointner** was born November 22, 1969 in Toronto, Canada. He obtained an honors B.Sc. degree in chemistry from McMaster University 1998. In the fall of 1998 he joined the lab of Prof. Gary Schrobilgen at McMaster where he studied Main-Group Inorganic Fluorine Chemistry. His Ph.D. thesis, entitled "The Synthesis and Characterization of Fluorides and Oxide Fluorides of Xe(II), Xe(IV), Xe(VI), and I(VII)" was completed in 2005. He then moved to Buffalo, NY taking the position of Staff Scientist with Honeywell Specialty Materials Fluorine Products. His current research efforts are focused towards enhancements of existing products and new product developments in the areas of hydrofluoric acid and specialty gases. He is a past member of the Chemical Institute of Canada and is currently a Member of the American Chemical Society Division of Fluorine Chemistry.

**For Chair-elect:**

**Valerie A. Frerichs** has been the Associate Director for the University at Buffalo's (UB) General Chemistry Laboratory since 2005. After receiving her doctorate in chemistry at UB in 2000, she worked within the UB School of Pharmacy and Pharmaceutical Sciences as the Scientific Manager for the Pharmacotherapy Research Center's Core Analytical and Translational Research Laboratories for five years. There, her research interests included the investigation of efficacy-related drug distribution for patients enrolled in clinical studies, with emphasis on characterizing human immunodeficiency virus drug therapy for pediatric subjects. For the past three years within UB Chemistry, Valerie has assisted in coordinating a first-year laboratory program of approximately 2000 laboratory students per semester. Relevant to laboratory learning, her interests are to increase contextual and experiential relevance with conceptually adherent laboratory materials. Valerie is a native of Western New York and resides in the area with her husband and four children. She can be reached by email: [zuccari@buffalo.edu](mailto:zuccari@buffalo.edu).

**For Vice Chair:**

**Jeffrey M. Rose** is a Buffalo native. He attended Canisius College and graduated *Summa Cum Laude* in 2003 with a B.S. in chemistry. While at Canisius, Jeff served as an organic chemistry teaching assistant for several semesters. In addition, he helped lead an active ACS Student Affiliates Chapter through a two-year presidency. For his graduate studies, Jeff attended Cornell University and worked in the research group of Prof. Geoffrey W. Coates. His research was focused on the development of new polyolefin architectures through the design of late-metal catalysts. While at Cornell, Jeff was honored in 2004 with the *Bayer Teaching Excellence Award* and in 2008 with the *Tunis Wentink Prize* for outstanding graduate student. Jeff was also involved in Cornell's West Campus Residential Initiative through his role as a Graduate Resident Fellow for the Alice H. Cook House. Jeff graduated from Cornell with his Ph.D. in June 2008. He currently works as a Division Chemist at the DuPont Yerkes Site in Tonawanda.

**William Sullivan** is a lifelong resident of WNY and has lived in Cheektowaga for the past 37 years. He is an analytical chemist with over 27 years experience, and is currently employed in that capacity by Praxair in their R&D group. He has worked for a number of employers, and has been an ACS member for 25 years.

**For Secretary:**

**Mary O'Sullivan** has been the Secretary of the WNY ACS for the past 8 years. She is a Professor in the Department of Chemistry and Biochemistry at Canisius College, where she teaches organic chemistry and conducts research aimed at developing novel anti-parasitic agents (specifically, anti-trypanosomal agents). Before moving to Buffalo, Mary was an Associate Professor of Chemistry at Indiana State University.



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**ISSUE COPY DEADLINE: FIRST OF MONTH PRIOR TO PUBLICATION**

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