



Vol. 82 (8) November 2006

# ISOTOPICS

The Cleveland Section of the American Chemical Society

## On Deck:

**Wednesday, January 17**

*Past Chairs Night and  
YCC Joint Sponsor*

**Jan Cobett**

*Chemistry of Wine*

**Baby Grand**

(Formally Tin Fu Restaurant)

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[http://www.csuohio.edu/cleveland\\_acs/](http://www.csuohio.edu/cleveland_acs/)

## November Meeting Notice

Wednesday, November 15, 2006

Strosacker College Union

Baldwin Wallace College

4:30 pm	Executive Committee Meeting
5:30 pm	Social Hour
6:30 pm	Dinner
7:30 pm	After Dinner Talk
8:30 pm	Informal Discussion

## Stained Glass

*William Greensburg, Northern Lights Stained Glass Inc.*

Like any craft, empirical knowledge and science work hand in hand in creating works of beauty and permanence. While the craft of stained glass has changed little in the last 800 years, modern science has a much better appreciation of the processes that go into the art of stained glass. The chemistry of glass can be notoriously tricky, and it is only recently with precise quantitative techniques such as mass spectrometry and NMR that some of the secrets of colored glasses have been revealed. He will discuss the techniques of stained glass and some of the science and chemistry behind them, the applications of chemistry to the painting on glass, as well as the use of lead as a structural support for stained glass.

**DINNER RESERVATIONS REQUIRED:** Please RSVP by contacting Zedeara Diaz, by phone at 216-368-3621 or by e-mail at [zcd@case.edu](mailto:zcd@case.edu) by **Noon on Thursday, November 9**. (For phone reservations, please clearly spell your last name and leave a return phone number.) Cost of the dinner is \$20 for members & guests and \$10 for students. Checks made out to "Cleveland ACS" are greatly appreciated. Menu includes: Beef, Chicken, Pasta Primavera, and red potatoes.

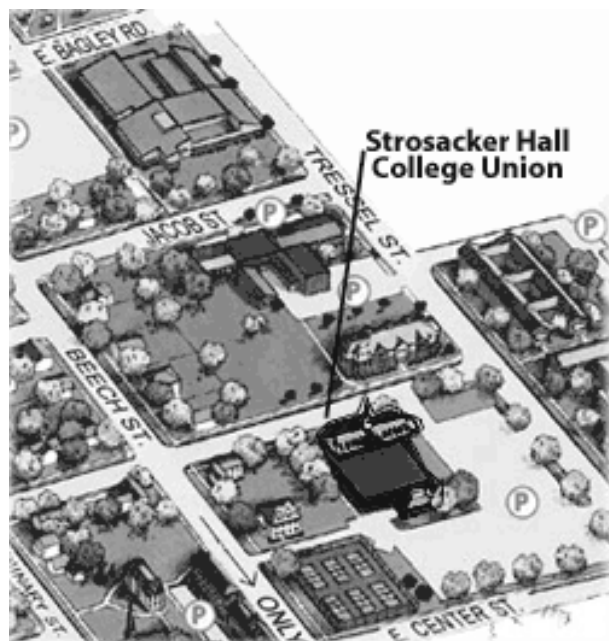
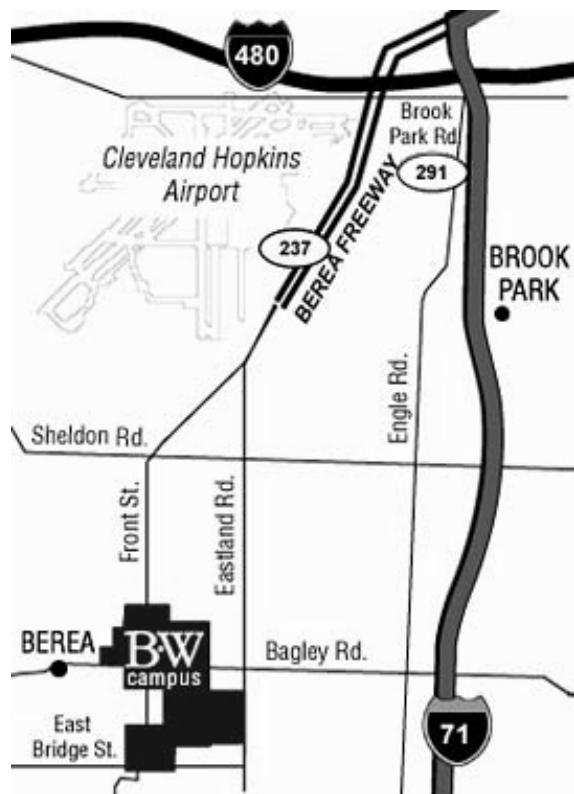
*Come out and support your local section – Spend an evening with other professionals in your field – Enjoy a special presentation by a stained glass expert*

*Hope to see you there!*

## Directions to the Strosacker College Union at Baldwin Wallace College

**From I-71 north:** Take I-71 north to the Bagley Road exit. Turn left onto E. Bagley Rd. Turn left onto Tressel St. Turn right into Union parking lot.

**From I-71 south:** Take I-71 south to the Bagley Road exit. Turn right onto E. Bagley Rd. Turn left onto Tressel St. Turn right into Union parking lot.



## Speaker Biography

William attended Stanford University and received a BA in creative writing. Shortly after college he discovered stained glass. In 1986 William started his own studio in Los Angeles, where he was living at the time. In 1988 he returned to Cleveland, and started Northern Lights Stained Glass with his wife, Nancy Burgard. They are currently located in downtown Cleveland. William's other interests include writing, martial arts, and tracking. In addition, both William and his wife are yoga teachers.

## National Chemistry Week 2006

The NCW Committee Chairs would like to send a special thanks to those on the committee who designed the 10 experiments for this year's hands-on demonstration programs and to the volunteers who helped out on GAK Day (the Grand Assembly of Kits) in assembling 110 program kits. Without those volunteers, there would be no Cleveland NCW programs. The kits will be distributed to Cleveland science teachers (40-50) to use in their classrooms and to volunteers who will be putting on over 50 programs in all of the Cuyahoga County Public Libraries, other public libraries, home-school programs, industry-sponsored children days, and other public locations. Thanks again for spreading chemistry to the younger generation and for joining in our fun! See you next year!

Kat Wollyung: [katkat@neo.rr.com](mailto:katkat@neo.rr.com)

[http://www.csuohio.edu/cleveland\\_acs/NCW/ncw.htm](http://www.csuohio.edu/cleveland_acs/NCW/ncw.htm)

## Morley Medal – Call for Nominations

The Cleveland Section of the American Chemical Society annually sponsors a regional award, which consists of the Morley Medal and a substantial honorarium. The purpose of the award is to recognize significant contributions to chemistry through achievements in research, teaching, engineering, research administration and public service, outstanding service to humanity, or to industrial progress.

The area of eligibility includes those parts of the United States and Canada within about 250 miles of Cleveland. The contributions for which the

award is given should have been made by the awardee when a resident of this area, or if a major contribution was made elsewhere, the nominee should have continued to make contributions while a resident of this area. Nominations may be made by any member of the American Chemical Society, The Chemical Society or the Chemical Institute of Canada.

Complete information on the award and nomination process can be found on the Cleveland Section webpage.

Deadline for receipt of nominations is **December 1, 2006**. Send nomination and supporting material to (electronic submissions in Word are appreciated):

Elizabeth Dabrowski  
 Chair, Cleveland Section Awards Committee  
 Magnificat High School  
 20770 Hilliard Blvd.  
 Rocky River, OH 44116  
 Phone: 440-331-1572  
 Fax: 440-331-7257  
 Email: edabrowski@magnificaths.org (preferred)  
 edabrows@ix.netcom.com

### **Heller Award – Preliminary Call**

Do you know an outstanding high school Chemistry Teacher? Are you a high school Chemistry teacher? Check the Cleveland Section website for a preliminary nomination form. Teachers can self nominate. The deadline for the preliminary nomination form is **January 25, 2007**. More details on the final award application process will appear in the January issue of Isotopics.

For more information contact Elizabeth Dabrowski (see the above article for contact info).

### **Name This Scientist**

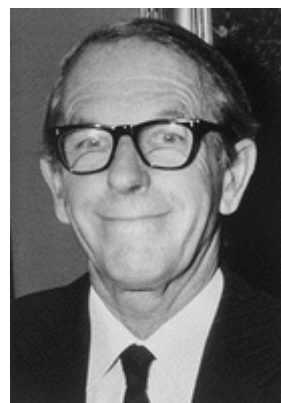
Correctly identify this scientist and you may win a free dinner at a local section meeting. Entries should be submitted to Heather Hargett (hargeth@ccf.org) by 5 pm **November 15**. Alternatively, entries may be submitted via post to the Cleveland Section of the ACS, P.O. Box 681, Amherst, OH 44001 and must be postmarked by **November 15**. A winner will be chosen at random

from the correct entries. The winner will receive a complimentary dinner at the January meeting. One entry per person, please.

Photo taken in 1958.



Photo taken in 1980.



The last scientist of the month (April 2006) has local connections and is considered to be the "Godfather of Carbocation Chemistry". Dr. George Olah was a member of the Case chemistry faculty from 1965-1977. During this time period, Dr. Olah pursued research in carbocation chemistry using a variety of superacids. He also served as the first chair of the chemistry department following the merge of Western Reserve University and Case Institute of Technology. Both proved to be fruitful endeavors. The former resulted in the 1994 Nobel Prize in chemistry. Using superacids as solvents for alkyl halides and in ion-generating reactions, Olah developed a technique to extend the lifetimes of carbocations and other typically short-lived ionic species so they could be probed directly using nuclear magnetic resonance spectroscopy, X-ray photoelectron spectroscopy, and other methods. Dr. Olah was also named the 2005 Priestley Medalist, the highest honor of the American Chemical Society.

Cleveland Section  
American Chemical Society  
P.O. Box 681  
Amherst, OH 44001

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