



N. E. A. C. T. Newsletter

New England Association of Chemistry Teachers

Volume 61 No. 4

May 2007

**507th Meeting
Saturday, May 12, 2007**

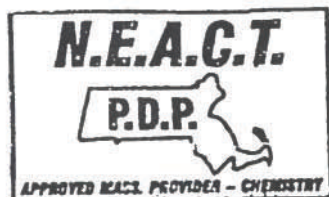
Green Chemistry

Central Division, Pat Brandl, Chair

**Bridgewater State College
Bridgewater, MA**

Massachusetts: 3 PDP

Connecticut: .3 CEU



Rhode Island: .2 PDC

507th NEACT Meeting
Saturday, May 12, 2007
Bridgewater State College

Meeting Location: Heritage Room in the Bridgewater State College Maxwell Library

The Bridgewater State College Center for Sustainability is co-sponsoring the meeting, and will provide a continental breakfast, coffee breaks, and lunch at no charge.

9:00 AM Registration/Coffee

9:30 AM Ed Brush, Associate Professor and Chair, Department of Chemistry,
Bridgewater State College

“Incorporating green and sustainable chemistry into the undergraduate curriculum: Pedagogy, research and outreach activities”

10:15 AM Discussion Break

10:30 AM Carolyn Burke, Senior Environmental Chemistry Major, Department of
Chemistry, Bridgewater State College

“Developing a Green Chemistry Unit Plan for Eastern Massachusetts High Schools”

11:30 **NEACT Annual Meeting**

12:00 Lunch (No charge for lunch – Reservations required)

RSVP to Kathy Siok at kathys5@cox.net or 401-885-1608 by May 1

Updated information and directions to the meeting can be found after April 30 at:
<http://webhost.bridgew.edu/ebrush/>

Directions to Bridgewater State College:

Directions from the North: Take I-93 to Route 24 South; Follow Route 24 South to Exit 15 (Bridgewater/Raynham - Route 104). Take Route 104 East to stop sign (approximately three miles). Turn left and approach rotary in Bridgewater Center. Follow Directions to [BSC Buildings and Parking](#)

Directions from the West: Follow the Massachusetts Turnpike (I-90) to I-495 South to Exit 7A (Route 24 North). Once on Route 24 North, take Exit 15 (Bridgewater/Raynham - Route 104). Follow Route 104 East to stop sign (approximately three miles). Turn left and approach rotary in Bridgewater Center. Follow Directions to [BSC Buildings and Parking](#)

Directions from the West: Follow the Massachusetts Turnpike (I-90) to I-495 South to Exit 7A (Route 24 North). Once on Route 24 North, take Exit 15 (Bridgewater/Raynham - Route 104). Follow Route 104 East to stop sign (approximately three miles). Turn left and approach rotary in Bridgewater Center. Follow Directions to [BSC Buildings and Parking](#) (continued on next page)

Directions from the East: Follow Route 106 West to Route 104. For [East Campus](#), (location of dorm and daytime sessions), turn left onto Hooper Street. For Chapel Lot, take first left on to Park Avenue; enter at left after third brick building on left. For Harrington Lot, take second right on to Grove Street; take first left for entrance to Harrington Hall Lot.

Directions from Providence, Rhode Island and Points South: Follow I-95 North to I-495 South to Exit 7A (Route 24 North). Once on Route 24 North, take exit 15 (first exit, Bridgewater/Raynham - Route 104. Take Route 104 East to stop sign (approximately three miles). Turn left and approach rotary in Bridgewater Center. Follow Directions to [BSC Buildings and Parking](#)

To: **Maxwell Library:** Proceed to rotary. Take School Street off rotary. (As you enter rotary, School Street will be straight ahead - you will see the fire station on the left as you enter.) Take left at end of the street on to Summer Street. Take first right on to Park Avenue. Visitor parking for West Campus offices is in the Chapel Lot on the left past the third brick building (Kelly Gymnasium.)

NEACT
69 th Annual Summer Conference
WONDERS OF GLASS
Saint Joseph College, West Hartford, CT.
Aug 6-9, 2007.

Join us for our annual conference to learn more about this unique and interesting topic from experts in the field

Lectures, workshops, field trips and socials are planned
Spend time with colleagues learning something new

Topics include:



History of Glass
Glass Recycling
Flotation Process
Architectural Glass
Medical/Dental uses
Fiber Optics
Glass Art
And more.....



Earn PDPs and CEUs (MA, CT, and RI)
Scholarships Available

Complete information on program and cost will be published this spring in the newsletter and on <http://www.neact.org/>

For further information, please contact:
Kathy Siok kathys5@cox.net or
Marie Reluga mreluga@aol.com

From the President—

Dear Folks,

Spring is almost here. Summer is not far behind.

The Southern Division meeting was held at RIC on March 3rd with Dr. Stanley Barnett pointing to the future of Green Chemistry and Dr. Eugene Park describing how we can help in the prevention of pollution. Thanks go to Kathy Siok and Anthony Fascia for organizing the meeting.

Our May meeting is upon us and traditionally we have our annual meeting, which is then recessed to our conference. There will be a change of officers. Laura Smutnick will take over as your new President. We will welcome a new slate of officers as well.

These last two years have flown by. It has been my pleasure to keep NEACT moving along. I have been guided by many devoted members on the executive board. Thanks to all who have helped me make decisions for the best interests of this organization.

WONDERS OF GLASS Summer Conference is Aug 6-9 at Saint Joseph College in West Hartford, CT. We are putting the finishing touches on the program.

Best regards,
Marie Reluga

Call for Nominations - The 2007 Timm Award

Do you know someone who has made a significant contribution to the teaching of chemistry? Let us know.

Contact Laura Smutnick, president-elect (lsmutnick@tolland.k12.ct.us), to make your nomination for this year's award.

More Glass Facts

Container and plate glass are 100% recyclable

US rate of recycling lags behind other nations. EPA urges 35% of glass containers be recycled by 2008

The William Walts Sherman House in Newport, RI has a magnificent TIFFANY leaded glass window titled "Parrots" that was designed and installed in 1880.

Perched above the Grand Canyon is a GLASS walkway made of 90 tons of tempered glass that allows an unbelievable view of the Canyon.

Lyman C. Newell Grants
for the
NEACT Summer Conference
"THE WONDERS OF GLASS "
August 6--9, 2007
Saint Joseph College, West Hartford, CT

The Northeastern Section of the American Chemical Society is again offering four Lyman C. Newell Grants for the New England Association of Chemistry Teachers' 69th Annual Summer Conference http://neact.org/summer_conference.html. The total fees for Monday evening through Thursday morning, including registration, room and board, banquets and socials are expected to be from about \$300 to \$325. Each Newell Grant will be for \$225, paid to the NEACT Summer Conference Registrar/Treasurer.

While preference will be given to teachers who are new to teaching or returning to teaching, the awards are open to all secondary school chemistry teachers. Applicants need not be members of the Northeastern Section of the American Chemical Society or of NEACT. The application for the Newell Grants is available on the website of the Northeastern Section at <<http://www.nesacs.org>>. **Applications for the grants are due by May 18, 2007**, and all applicants will be notified of the results by e-mail on May 25, 2007.

The Lyman C. Newell Grants commemorate a former chair of the Northeastern Section who was a distinguished chemist, teacher, and historian of chemistry. For many years he was chair of the Chemistry Department at Boston University. Lyman Newell served as the first president of NEACT from 1889 to 1900 and expressed a continuing interest in training chemistry students throughout his long career. His efforts are continued by grants that bear his name. Mail your completed application to the address below.

Dr. Ruth Tanner	Telephone (978) 934-3662
Education Committee Chair, NESACS	e-mail Ruth.Tanner@uml.edu
University of Massachusetts Lowell	
Chemistry Department, Olney Hall	
1 University Avenue	
Lowell, MA 01854	
ATTN: Newell Grant Committee	

(Application forms are found on the NESACS Web site, <http://www.NESACS.org/>)

Flinn Scientific Charts

Flinn Scientific now offers **Flinn Scientific Charts**, a new series of eight economical charts which are a great addition to any science classroom. AP Chemistry teachers will find them especially beneficial for teaching key concepts by providing clear, yet detailed data that students will refer to often.

The large size (32" x 48" or 48" x 32") and glare-reducing laminate coating make it easier for all students in your classroom to see the charts. Each chart is printed on durable 80# stock for years of use. Secure metal grommets along the top edge prevent tearing and allow for easy hanging and removal during test time.

Designed and produced by Flinn Scientific, each chart offers an organized, understandable presentation that will help students succeed at learning science.

AP6898	Names, Formulas, and Charges Chart	*Recommended for AP Chemistry
AP6899	Basic SI Units and Prefixes Chart	
AP6901	Solubility Rules Chart	
AP6902*	Periodic Trends Chart	
AP7041*	Standards Reduction Chart	
AP7042*	Acid-Base Strength Chart	
AP7148	Flinn Electromagnetic Spectrum Chart	
AP6897*	Atomic Sizes and Radii Chart	

Flinn Scientific Charts are available for \$29.95 each plus shipping. See pages 339–340 in the *2007 Flinn Scientific Catalog/Reference Manual* for complete descriptions, dimensions, and photographs of each chart.

Flinn Scientific, Inc., P.O. Box 219, Batavia, IL 60510, 1-800-452-1261

E-mail: flinn@flinnsci.com Web site: <http://www.flinnsci.com/>

FREE Laboratory Design Advice

Flinn Scientific, the leader in school science safety, offers two free ways to help teachers design a new lab or improve an existing lab. Flinn offers a Laboratory Design Packet and the opportunity to discuss your lab design project with Flinn's Lab Design Specialist. The Flinn Laboratory Design Packet contains problem-solving ideas and helpful suggestions including:

Science Lab Design Priority Lists.

Sample Lab Designs.

Safety and Equipment Checklists.

Plus more great tips and advice gained from helping hundreds of teachers improve their laboratories.

Flinn's Laboratory Design Specialist can offer advice specific to your school, your budget, and your needs. You can rely on Flinn's safety expertise, practical knowledge, and years of experience to help you design an efficient laboratory that will provide a safe and successful learning environment.

Teachers are invited to request a free Laboratory Design Packet and to contact Flinn's Lab Design Specialist for free advice guaranteed to improve your laboratory.

Flinn Scientific, Inc.

P.O. Box 219

Batavia, IL 60510

1-800-452-1261 E-mail: flinn@flinnsci.com

Web site: <http://www.flinnsci.com/>

Letter from the Membership Secretary

April 2007

Happy Spring, everyone. Our current membership is 352 people. We ask that each member sponsor someone (a colleague, student teacher, mentor, etc.) who you think might be interested in NEACT. There is no cost to you to sponsor someone. Each year a member may sponsor one person for free as a way to recruit new members. Just fill out the membership application form on the last page of the newsletter. Please, also, encourage them to attend meetings with you. Most of us were introduced to this great organization in just this way.

If you have retired and have been a member of NEACT for at least 20 years, you can qualify for emeritus status, which gives you 50% off the yearly dues. Please contact me at jj@k2sw.com or you can find my home information on the membership application form on the last page.

The new members as of November 2006 are Anne Wilma McLaughlin and Glenn Savoy. Welcome to NEACT!

Jerusha Vogel

Note to all NEACT Members

At the May, 2006 meeting of the Association, it was voted to subscribe all NEACT members to the NEACT e-mail listserv. [Membership on that is now per initiative of the member.] E-mail addresses have now been obtained, and it is [past] time to implement that directive. Besides allowing members to discuss chemistry teaching/learning issues or seek help via e-mail, the "full" list will provide a means for the president to communicate quickly with at least all the members who have e-mail.

FYI, the NEACT e-mail listserv is [or at least has been] a very quiet list. It also has spam protection. It is a "closed list," meaning that postings are only allowed by members, though anyone interested in chemical education can join. Anyone abusing the list can and will have his/her subscription cancelled. List rules are included in the welcome message that will arrive after one has been subscribed.

Any member who does NOT wish to be on the e-mail list should so notify list administrator Steve Stepenuck [sstepenuck@ne.rr.com] by May 1, 2006. One may also unsubscribe at any time by following directions that will come with the subscription announcement, and which are always available on the NEACT or FreeLists websites: <http://www.neact.org/> and <http://www.freelists.org/list/neact/>, respectively.

BALLOT

The following individuals have been nominated to serve in these positions as indicated. Please vote!

President-Elect Open (write in your choice) _____

Recording Secretary Open (write in your choice) _____

Western Division Chair Open (write in your choice) _____

Central Division Chair Faith Hughes _____ (check here to vote for candidate)

Northern Division Chair David Crockett _____ (check here to vote for candidate)

Please send completed ballot by May 11th to Marie Reluga, 102 Higley Road, West Granby, CT 06090 or bring to the May 12th meeting.

NEACT Membership Application/Renewal 2007-2008

(Membership year = 7/1-6/30. You are paid through 6/30 of year on address label.)

Check one: New Member ____ Renewal ____

Sponsored member (free for one year if sponsored by a NEACT member)_____

(Name of sponsor _____)

Name:_____ Date:_____

Home--Address: _____ City/Town: _____

State: _____ Zip: _____(9 digit zip); Use of 9 digit zip code saves \$\$.

Telephone: (____)_____ e-mail address: _____

() Check if new address/tel. no.

(Circle one) You may / may not publish home information in membership directory.

Work--Workplace name: _____

Address: _____, City: _____

State: _____ Zip: _____(9 digit zip), Use of 9 digit zip code can save \$\$.

Telephone: (____)_____ ()Check if new work information

(Circle one) You may / may not publish work information in membership directory.

Notices should be sent to: () Home () Work I would like the Newsletter sent via _____ e-mail
or _____ U.S. Postal Service.

Any special notes? _____

Dues \$25. Check, payable to NEACT, please send to:

Jerusha Vogel, NEACT Membership Secretary, 45 Dirksen Drive, Wilton, CT 06897

Membership questions? Jerusha Vogel at: jj@k2sw.com

New England Association of Chemistry Teachers
Ms Jerusha Vogel
Membership Secretary
45 Dirksen Drive
Wilton, CT 06897

Address correction requested

FIRST CLASS MAIL



Upcoming Events

**Summer Conference: Aug. 6-9, 2007
Saint Joseph College, Hartford, CT**

Judith A. Douville, Newsletter Editor (for news items only)
23 Virginia Drive
Middletown, CT 06457-4826

The Newsletter is published five times during the academic year and is distributed free to NEACT members.