Monthly Meeting
Norris Award to Professor Diane M. Bunce
Arno Heyn Prize to Myron S. Simon

Paul Wender's Birthday Symposium
By Michael Filosa

The Time of Your Life
Award Address by Morton Z. Hoffman

Sukant Tripathy Memorial Symposium
November 30, 2007 at UMASS Lowell
EVENING GRADUATE PROGRAM
IN CHEMISTRY
The Original Part-Time Evening Graduate Program in New England

Take courses to:
- keep up-to-date
- improve professional qualifications
- apply toward part-time Master’s program

All courses meet for a two-and-a-half hour period one evening per week and carry three semester-hours of graduate credit toward the 30 semester-hour requirement for a coursework M.S. degree

Courses are taught by Full-time Faculty in their area of expertise

OFFERED SPRING SEMESTER (Classes begin January 7, 2008)

Introductory Level Graduate Courses:
(Prerequisite: the equivalent of a Bachelor’s Degree in Chemistry)

Optical Methods of Analysis
Spectroscopy of Organic Compounds
Thermodynamics
Advances in Nanomaterials
Protein Chemistry

Advanced Level Graduate Courses:
Analytical Biochemistry (Prerequisites: Analytical Sep.; Mass Spec.)
Organic Synthesis 2 (Prerequisite: Organic Synthesis 1)

Students new to the program must have completed an application for admission.
Please note that the application deadline for the Spring semester is December 1, 2007.
For more information on graduate programs, see www.chem.neu.edu

For additional information contact: Jean Harris
Department of Chemistry & Chemical Biology
Northeastern University
Boston, MA 02115
Tel: (617) 373-2824
H.Harris@neu.edu
Contents

Paul Wender’s 60th Birthday Symposium .............................................. 4
By Michael P. Filosa

Symposium ....................................................................................... 4
Sukant Tripathy Memorial Symposium at UMASS Lowell

Monthly Meeting .............................................................................. 5
Norris Award to Diane M. Bunce.
Arno Heyn Memorial Book Prize to Myron S. Simon.

NESACS ChemLuminary Awards .................................................... 6
Three awards to NESACS members

Award Address ................................................................................ 6
"The Time of Your Life" by Morton Z. Hoffman

Summary of Governance Actions and Reports ................................. 8
234th ACS National Meeting, Boston, MA, August 19-23, 2007

Arno Heyn Memorial Book Prize ................................................... 11
2007 Prize awarded to Myron S. Simon

National Meeting Photos .............................................................. 13
Photos by Robert Lichter

Cover: Professor Diane M. Bunce of Catholic University of America. 2007 winner of the James Flack Norris Award for Outstanding Achievement in the Teaching of Chemistry. Photo courtesy of Professor Bunce.

Deadlines: January 2008 Issue: November 12, 2007
February 2008 Issue: December 10, 2007
A special reunion of Wender Group members occurred at Stanford from August 10-12, 2007. The occasion was a celebration of Professor Paul Wender’s 60th birthday and 30+ years of scientific excellence. Group members and former group members came from all over the world to attend this special event. The festivities began with a Friday night get together at the Palo Alto Sheraton. The Friday event was highlighted by a slide show as well as a video with commentary by Paul’s chemical father, Prof. Fred Ziegler of Yale University. Fred described the group in those days from 1969-1973 when Paul not only synthesized eremophilone but also worked with liquid HCN in their method for converting ketones to nitriles. Scott Sieburth, Scott Sieburth, Paul Wender, Leo Letendre. Second Row: Jeff Howbert, John Lechleiter, Michael Eisenstat, Scott Sieburth, Back Row: Alan White, Geoff Dreyer, Michael Filosa, Donald Wolanin. Not Pictured: Stephen Eck and Karl Fisher. Photo provided by Scott Sieburth.

Wender Group in 2007


Wender Group in 1976


Corporation Patrons ($2000+)
- Abbott Laboratories
- Lyophilization Service of New England
- Merck
- National ACS
- Novartis
- Pfizer
- Sepracor
- Vertex Pharmaceuticals

Patrons ($1000-$1999)
- Astra-Zeneca R&D Boston
- IRIX Pharmaceuticals
- Millenium Pharmaceuticals
- Shasun Pharmaceuticals
- Strem Chemicals
- ZINK Imaging
- Ziopharm Oncology, Inc.

Donors ($300-$999)
- Cambridge Major Laboratories
- Occidental
- PCI Synthesis
- Royal Society of Chemistry
- Serono Research Institute
- Wyeth Pharmaceuticals

Sukant Tripathy Annual Memorial Symposium 2007 to be held at UMASS Lowell

The University of Massachusetts Lowell will hold its seventh anniversary symposium on November 30, 2007, to honor the memory of the late Prof. Sukant Tripathy, renowned researcher and former Director of the Center for Advanced Materials, University Provost and Vice Chancellor. This annual event brings together researchers and colleagues from universities and industries, as well as former and present students and associates of the Center for Advanced Materials, to discuss latest research activities in materials science.

Sukant was recognized around the world for his research in thin polymer films and their electrical and linear and nonlinear optical properties. Born in

Continued on page 12

Continued on page 11
**Abstract**

Students enter our chemistry classes with many insecurities and fears about their ability to be successful in chemistry. These fears often prevent students from trying or persisting in their study when the material becomes challenging, resulting in an average national withdrawal and failure rate of 30% for a typical general chemistry course. This presentation will introduce the audience to some of those fears in the students’ own words. Research into teaching and learning has identified several aspects of the learning process that are common to all learners and across all disciplines. There are several ways that teachers can address the concerns of students and help facilitate their learning by incorporating the results of research on learning and teaching into their courses. This presentation will introduce several teaching and curriculum approaches that can be integrated into typical general chemistry classes. The effect of these innovations on student learning and persistence in the study of chemistry will be investigated.

---

**Biography**

Diane Bunce received her B.S. in chemistry from Le Moyne College in Syracuse, NY, a Masters of Arts in Teaching from Cornell University, and a Ph.D. in Chemical Education from University of Maryland, College Park.

She served as one of the original authors on the American Chemical Society’s high school textbook, *Chem-Com: Chemistry in Context*, the ACS textbook for college nonscience majors and *Chemistry*, the ACS textbook for chemistry majors. Diane is past chair of the Division of Chemical Education (2000) and founding feature editor of the Chemical Education Research Feature of the *Journal of Chemical Education*. She is the recipient of several teaching awards, including the American Chemical Society’s Helen Free Award for Public Outreach (August 2001); Western Connecticut Section of the American Chemical Society’s Visiting Scientist Award (May 2001); Chemical Manufacturing Chemists Catalyst Award for National Excellence in Chemistry Teaching, 1998; Society of College Science Teachers/Kendall Hunt Award for Outstanding College Science Teaching, 1995; CASE (Council for Advancement and Support of Education) 1993, Undergraduate Professor of the Year - District of Columbia; and the James E. Dornan Memorial Teacher of the Year Award 1991 and 2005, The Catholic University of America, Washington, D.C. She was elected a Fellow of the American Association for the Advancement of Science (AAAS) in 2003. ☑
The Nucleus November 2007

I would like to begin by thanking the ACS for this award and to acknowledge the support of my family and friends over the years. I want to congratulate all in the audience this evening who are representing units within the ACS that are finalists for ChemLuminary Awards. This ceremony recognizes those who have volunteered their time and effort for the furtherance of chemistry and the American Chemical Society, and I am honored to be able to “kvell” with their families and friends.

First, something about the word “kvell” for those who haven’t heard it before. The intransitive verb “to kvell” comes from the Yiddish of Eastern Europe through the Mittelhochdeutsch verb, quellen, meaning to well up or gush. To “kvell” is to burst with unabashed and uncontained pride, usually about one’s children and grandchildren. And, since we here are each other’s intellectual, scientific, and professional parents, children, and, indeed, grandchildren, it is perfectly acceptable tonight to “kvell” beyond the bursting point.

Certainly, on this evening of celebration, you are having the time of your life: enjoyment, camaraderie, and just plain fun. “The time of your life;” what an interesting and enigmatic phrase. What one considers to be “the time of one’s life” certainly depends on age and the context of the activity. The time of one’s life for a teenager, for example,
is certainly not the same as for those like me who are long in the tooth. But, when you think of the time that you have available in your life and the opportunities to do, or not do, something important with it, the statement, “the time of one’s life,” becomes rather profound and a bit frightening.

Time is, indeed, our most limited, and therefore priceless, existential quantity. We may never run out of money or other material possessions in our lives, but we will certainly run out of time. It is, therefore, our moral obligation to contribute our time without the hope of any financial remuneration to those activities that really contribute to the betterment of the world and the human condition. That is the essence of being a volunteer.

My thoughts about “time” as the theme of my address tonight led me to a poem by the contemporary Israeli poet, Yehuda Amichai, who is considered by many to be the greatest modern poet to write in colloquial Hebrew. His works have been extensively translated into English and more than 30 other languages.

Amichai was born Ludwig Pfeuffer in 1924 in Würzburg, Germany. His family of shopkeepers migrated to Palestine in 1935 when the circumstances for Jews in Nazi Germany were going from bad to worse, and were soon to become as holocaustic as they could possibly be. His poetry was “discovered” by Ted Hughes, the future Poet Laureate of Great Britain. Now, Hughes, you may remember, was married to Sylvia Plath, the author of “The Bell Jar” and herself a greatly admired poet. She was born in Boston; her parents, who were of Austrian and German descent, were members of the faculty of Boston University. In fact, Sylvia’s mother, Aurelia, was one of the teachers, influential mentors, and friends of my wife, Sandy. Talk about six degrees of separation!

I would like to share with you now one of Amichai’s best-known poems, “A Man in His Life,” in which “time” is the central theme.

**A Man in His Life**

A man doesn’t have time in his life to have time for everything. He doesn’t have seasons enough to have a season for every purpose. Ecclesiastes was wrong about that.

A man needs to love and to hate at the same moment, to laugh and cry with the same eyes, with the same hands to throw stones and to gather them, to make love in war and war in love.

And to hate and forgive and remember and forget, to arrange and confuse, to eat and to digest what history takes years and years to do.

A man doesn’t have time.

When he loses he seeks, when he finds he forgets, when he forgets he loves, when he loves he begins to forget.

**continued on page 13**
The following is a summary of key actions of the ACS Council and Board of Directors at the 2007 Fall national meeting.

**ACTIONS OF THE COUNCIL**

**Election Results**


By written ballot the Council elected Mary Orna, Dorothy Phillips, Yorke Rhodes, and Kathleen Schulz for the 2008-2010 term, and Peter Stang for the remainder of a 2006-2008 term on the Committee on Policy Committee.

By written ballot the Council elected Frank Blum, Carol Duane, Ruth Hathaway, Arlyne Sarquis, and Pamela Shapiro for the 2008-2010 term on the Committee on Nominations and Elections.

**Candidates for President-Elect and Board of Directors**

The candidates for the fall 2007 ACS national election were announced as follows:

- **President-Elect 2008**
  - Thomas Lane: Dow Corning Corporation, Midland, MI
  - Howard Peters: Peters, Verny, LLP, Palo Alto, CA

**Directors-at-Large – 2008-2010**

- Janan Hayes: Merced College (Retired), Merced, CA
- Bonnie Lawlor: NFAIS, Philadelphia, PA
- Kent Voorhees: Colorado School of Mines, Golden, CO
- Frankie Wood-Black: Trihydro Corporation, Ponca City, OK

**Director, District II 2008-2010**

- Joseph Peterson: University of Tennessee (Retired), Knoxville, TN
- Diane Schmidt: The Procter & Gamble Company, Cincinnati, OH

**Director, District IV 2008-2010**

- Eric Bigham: GlaxoSmithKline, Research Triangle Park, NC
- Gregory Robinson: University of Georgia, Athens, GA

**Petitions**

The Council VOTED to accept the Petition on Local Section Affiliations. The petition addresses a difference in current Society bylaws regarding the responsibilities of the Committee on Local Section Activities (LSAC) and the Committee on Divisional Activities (DAC) in oversight of the establishment of affiliations by local sections and divisions, respectively. Responsibilities for LSAC in approving local section affiliations will now parallel those currently established for DAC. To be valid, the petition next must be confirmed by the Board of Directors in 90 days.

The Council received three Petitions for consideration: Petition on Election Procedures for President-Elect and District Director, which seeks to move toward a preferential ballot, both to make the balloting procedure more...
Governance Actions

Continued from page 8

uniform and to avoid the complications
and expense of run-off elections; Peti-
tion on Local Section and Division
Election Procedures, which provides
options other than run-off elections to
local sections and division for resolv-
ing tie votes; Petition on Membership
Categories and Requirements, which
represents a comprehensive revision of
the qualifications required for member-
ship and for affiliate status in the Soci-
cy. Action is expected on these three
petitions at the 2008 spring national
meeting.

Committee Review and Other
Committee Changes

As part of a regular review, the Coun-
cil VOTED to continue the Committee
on Nomenclature, Terminology and
Symbols. The Council also VOTED to
support the request of the Committee
on Chemists with Disabilities that its
status be changed from an “other com-
mittee” of the Board to a joint Board-
Council Committee.

The Council VOTED to amend the
acronym of the Committee on Project
SEED and update the committee’s
charge. The acronym will be changed
from “Summer Educational Experi-
ence for the Disadvantaged” to “Sum-
mer Experiences for the Economically
Disadvantaged.”

Governance Review – Committee
Summit

The Council Policy Committee (CPC)
received a report on the activities of
the Governance Review Task Force,
specifically those related to the Sum-
mit on ACS Committee Structure held
in July 2007. As a followup to this
review, CPC was informed of several
recommendations to be directed to the
Committee on Committees, the Board
of Directors, the Council Policy Com-
mittee, and to other specific commit-
tees. Recognizing its work as
completed, the Council Policy Com-
mittee voted to discharge the Gover-
nance Review Task Force, with thanks,
subject to the concurrence of the Board
of Directors.

Registration Report and 2008
National Meeting Registration Fee

As of August 21, 2007, the ACS fall
national meeting had attracted 15,344
registrants. Totals in select categories
are as follows: Regular attendees
8,792; Students 3,518; Guests 574;
Exhibit Only 784; and Exhibitors
1,676. In keeping with the objective of
the National Meeting Long Range
Financial Plan, previously approved by
the Board of Directors and Council,
the Meetings and Expositions Commit-
tee approved an increase of ten dollars
for the 2008 national meetings
advanced registration fee.

The Society’s Membership

The Committee on Membership Affairs
reported that as of July 2007, the ACS
total membership is 1,100 ahead of
that at the same date last year, and the
number of unpaid members is 295 less
than that at the same date last year.

Review of the Academic Profes-
sional Guidelines

The Committee on Economic and Pro-
fessional Affairs submitted its latest
version of the Academic Professional
Guidelines for consideration. These
guidelines apply to those members of
the academic community whose job
functions impact directly or indirectly
on scientists practicing the profession
of chemistry. The Council will vote on
the Academic Professional Guidelines
at the 2008 spring meeting in New
Orleans.

Special Discussion Item

A special discussion item was put on
the Council agenda. The discussion
focused on ACS policy development
and advocacy efforts. ACS President
Catherine (Katie) T. Hunt framed the
discussion by posing three questions:
1) How can ACS encourage more
members to participate by bringing
their expertise to the development of
more targeted policy positions? 2)
What can ACS do to increase member
involvement in public policy advo-
cacy? 3) How can ACS be a more
effective leader in policy activities in
the broader science and technology
communities? Councilors entered into
a robust exchange, offering several
useful comments and suggestions. As a
Continued on page 10

Continued from page 8
Governance Actions
Continued from page 9

followup, President Hunt invited councilors to visit her website at <www.acspresident.org> for additional information.

ACTIONS OF THE BOARD OF DIRECTORS

Long Planning and Sustainability
The Board of Directors voted to approve a revised draft of the ACS Strategic Plan with the addition of specific strategies to be executed in 2008. The Board also approved a proposal for next steps in its contingency plan. The ACS contingency plan provides a set of actions that could be undertaken if certain threats or opportunities became realities for the Society.

The Committees of the Board
The Board received reports from its Committee on Grants and Awards, the Committee on Executive Compensation, and the Committee on Budget and Finance. On the recommendation of the Committee on Grants and Awards, the Board voted to approve Society nominees for the 2008 Perkin Medal and the 2008 Othmer Gold Medal. On the recommendation of the Committee on Budget and Finance, the Board voted to approve the Pacificchem 2010 proposed budget; to include funding for a State Government Affairs Program in the budgets for 2008-2010; to defer funding for the Committee on Professional Training Workshops with Hispanic and Native American-serving Institutions from 2007 to 2008 to take full advantage of an NSF workshop to be held in September 2007; and to accept the recommendations of the Program Review Advisory Group (PRAG) subject, in some instances, to further refinements.

The Executive Director and CEO Report
The Executive Director and CEO, along with several of her direct reports, updated the Board on the following issues: the proposed 2008 merit guideline and inflation assumption for building the 2008 budget; possible amendments to the ACS Retirement and Employee Savings Plans, as recommended by the Committee on Pensions and Investments; and the activities of the Publications Division, Chemical Abstracts Service, and the Society’s General Counsel. As a followup, the Board voted to approve the 2008 merit guideline and the inflation assumption, amendments to the ACS Retirement and Employee Savings Plans, a continuation of service for several Society journal editors, and an approval of a policy for mergers and acquisitions.

Other Society Business
The Board received reports from its international guests and then discussed with them how their Society goals intersect with goals of the American Chemical Society. Our international guests represented the Royal Society of Chemistry, the Canadian Society for Chemistry, the German Chemical Society, the European Association for Chemical and Molecular Sciences, the Mexican Chemical Society, and FIZ Karlsruhe (Chemical Abstracts Service’s STN partner).

At its June meeting, the Board of Directors identified several strategic “mega” issues important to the future and success of the American Chemical Society and agreed to review these issues at its future meetings. At this meeting, the Board dedicated a portion of its agenda to the “mega” issue “Infrastructure” and combined its discussion with a review of the recommendations from the Summit on ACS Committee Structure, as presented by the Governance Review Task Force. After a presentation on ACS committees and their history, the Board engaged in a discussion of its role, and the role of those committees dedicated to Board initiatives needed to execute the Strategic Plan.

The Board also received updates from two Society initiatives: the Web Presence Initiative and the ACS Leadership Development System (LDS). The newly re-invented ACS website, scheduled to launch September 30, will feature a unifying global navigation and dramatically improved user experience. The new url is <www.acs.org>; users who have bookmarked
Symposium
Continued from page 4

Bihar, India, he did his undergraduate work at the Indian Institute of Technology at Kharagpur. He received his Ph.D. in polymer science from Case Western Reserve University in 1981, and then joined GTE Laboratories. At GTE Labs, he became manager of the organic and polymer science department. In 1985, Sukant joined the faculty of University of Massachusetts Lowell. He founded and served as Director of the Center for Advanced Materials from 1992. He also served the University as Provost and Vice Chancellor for Academic Affairs from 1994 to 1996. In 1993, he was awarded the Carl S. Marvel Creative Polymer Chemistry Award of the American Chemical Society Division of Polymer Chemistry. He had published over 200 papers in his areas of interest and held two dozen patents.

Sukant died on December 12, 2000, in a swimming accident in Hawaii after lecturing at a conference of the Polymer Chemistry Division of the American Chemical Society. Each year, to commemorate this anniversary, and on the Friday of the MRS Conference week in Boston, this symposium is held as a commitment to continue the work he started.

This year’s symposium will be held on Friday, November 30, 2007 from 8:15 a.m. to 4:30 p.m. at University of Massachusetts Lowell, MIL Conference Room, Wannalancit Mills, 600 Suffolk St., Lowell, MA 01854.

Scheduled speakers are:
Anil Netravali, Cornell University, Ithaca, NY
Russell Gaudiana, Konarka Technologies Inc., Lowell, MA
Robert Miller, Genzyme Corporation, Waltham, MA
Rajeswari Kasi, University of Connecticut, Storrs, CT
Bruce Foxman, Brandeis University, Waltham, MA
Fotios Papadimitrakopoulos, University of Connecticut, Storrs, CT
Todd Emerick, University of Massachusetts, Amherst, Amherst, MA
Xinqiao Jia, University of Delaware, Newark, DE

Myron S. Simon to Receive Arno Heyn Book Prize

The Arno Heyn Memorial Committee has unanimously chosen Myron S. (Myke) Simon as recipient of this year’s Arno Heyn Book Award. This award recognizes significant contributions to NESACS publications. Among his many roles in NESACS, Myke has served as Associate Editor of The Nucleus since 1988. He was a strong supporter to Arno, who was Editor for fifteen years. Myke’s name has frequently appeared in The Nucleus as an author as well.

In addition to his present service as Section Archivist, Myke continues to provide wise counsel to the Board of Publications. The award will be presented to Myke at NESACS’s November meeting.

Governance Actions
Continued from page 10

<www.chemistry.org> will be forwarded to the new site. The LDS envisions offering a full pipeline of skilled and effective ACS members ready, willing, and able to step into leadership roles in their volunteer and professional lives.

Why choose PCI Synthesis?
Providing reliable process development and chemical manufacturing services for any or all of a project’s phases - from process research to commercialization.

PCI Synthesis transforms basic or proprietary chemistry technology into the precise requirements our customers seek.

Take advantage of our FDA inspected facilities for fine chemical syntheses and/or cGMP syntheses.

R&D: 98 Jackson Rd.  Headquarters: 9 Opportunity Way
Devsen, MA 01434  Newburyport, MA 01950
Phone: 978-772-2111  Phone: 978-462-5555
Fax: 978-862-0036  Fax: 978-465-2057
e-mail: info@pcisyntesis.com
http://www.pcyntesis.com

The Nucleus November 2007 11
The symposium comprised eighteen talks presented by speakers from industry and academia. Speakers were mainly from the United States, but included academics from Canada, Japan, Chile, Germany, France and Brazil. Professor Marc Snapper of Boston College gave one of the final talks, entitled “The Development of Cyclobutadiene as a Useful Reagent.”

The lead-off talk was presented by Dr. Cindy Kan, a post-doc with Sam Danishefsky at Sloan-Kettering Institute, who described her efforts towards the chemical synthesis of erythropoietin. The last talk, presented by Dr. Stephen Eck of Pfizer (now of Eli Lilly) was on “Changing the Strategy for Drug Discovery and Development: Better Drugs, Faster & Cheaper.” Dr. Eck owns the distinction of being Paul’s first student at Harvard. As a senior at Kalamazoo College he came to Harvard in the fall of 1974 to work on his senior honors thesis. In the fall of 1975 he returned as a doctoral student.

The Saturday night banquet was a truly special event. It was high lighted by remarks from Paul’s chemical grandfather and Synthetic Chemistry icon, Professor Gilbert Stork. Professor Stork particularly marveled at the depth of Paul’s insight into synthesis in his ability to visualize the non-obvious. Professor Stork was followed by Prof. John Brauman (Stanford’s department chair when Paul was hired away from Harvard) and John Lechleiter (Ph.D. number three from the Wender Group and currently President and COO of Eli Lilly.)

We had another video, courtesy of Drs. Sieburth and Wolanin which amusingly traced Paul’s career right back to his roots in Wilkes-Barre and then followed his career through the eyes of various co-workers and mentors up to the present day. Professor Mike Harmata of the University of Missouri-Columbia was also a prime organizer of this event and presented Paul with a special birthday card of his own creation, which incorporated his affinity for postage stamps with the signatures of those in attendance. Paul also received a framed copy of his “scientific lineage.”

The party did not end on Saturday night. A group summertime tradition, which started in the Harvard days with trips to Plum Island (74-80), was a beach outing on Sunday to Natural Bridges State Park in Santa Cruz. There, Paul’s first two graduate students, Mike Eisenstat and I, helped two of Paul’s first-year students prepare the court for what proved to be a vigorous game of beach volleyball. Thus continued another group tradition of vigorous physical activity. All that was missing were the tennis, softball and touch football games played on the Harvard athletic fields of 30 years ago.

The reunion was special for those of us who started with Paul at Harvard in those early years. Of the seventeen graduate students who earned Ph.D.’s with Paul at Harvard, fifteen were present at the reunion. Although many of us had not seen each other for close to thirty years, the bonds were strong and the reminiscences never-ending. I did have to correct some urban legends with respect to my words and actions, but I do not believe I was particularly successful. For example, I do not believe for a minute I trashed that Chemistry Department vending machine that cheated me. Nor did I ever take the keys from a driver who annoyed me while riding my bicycle and throw them in a field. However, I do agree that I still “owe” Leo Letendre.

I had been looking forward to this event since it was announced and it totally lived up to my expectations. Many kudos to Mike Harmata, Scott Sieburth, Dave Smith, Robert Wilhelm and Terri Tippets of the organizing committee and to Paul and Jacqueline Wender.
Time of Your Life

Continued from page 7

And his soul is seasoned, his soul is very professional. Only his body remains forever an amateur. It tries and it misses, gets muddled, doesn’t learn a thing, drunk and blind in its pleasures and in its pains. He will die as figs die in autumn, shriveled and ripe and sweet, the leaves growing dry on the ground, the bare branches pointing to the place where there’s time for everything.


Now, I hope the poem didn’t depress you excessively on this occasion of joy and celebration. The fact is, however, that we must all husband our disposable time very carefully, and your choice, as well as mine, to offer it to the ACS, which is, undoubtedly, our favorite professional organization, is a tribute to the purpose and objectives of the Society, its many other volunteers, and its wonderfully dedicated staff.

My charge to you now is to continue to be part of the ACS in all your futures, and have the time of your life. I say to you, as my immigrant grandmother kvellingly said to me, “Oy, I’m so proud, I could bust, already.” Thank you and good luck.

Three Awards

Continued from page 6

Section Younger Chemists Committee (Minnesota); Outstanding Community Involvement in National Chemistry Week (Indiana); Outstanding Performance by a Local section, Very large Size category (North Jersey).

In addition, the address for the 2007 Volunteer Service to the American Chemical Society Award was given at the ceremony by Morton Hoffman, Professor Emeritus at Boston University, entitled, “The Time of Your Life.” ◊

National Meeting Photos

All Photos by Robert Lichter


Roald Hoffmann pictured with the speakers at the 70th Birthday Symposium held in his honor. (L-R) Saundra McGuire, Louisiana State University; Henning Hopf, Technische Universität Braunschweig, Germany; Katie Hunt, ACS President; Roald Hoffmann, Cornell University; Michael Weisberg, University of Pennsylvania; Odile Eisenstein, Institut Charles Gerhardt, Montpellier, France; Peter Wolczanski, Cornell University; Hector Abruna, Cornell University; Oliver Sacks, Albert Einstein College of Medicine, New York City; Bassam Shakhashiri, University of Wisconsin, Madison

Laila Dafik, NESACS YCC Chair speaking at the German Exchange Symposium

Mike Strem presents an ACS Salute to Excellence to Dr. Kurt Begitt, Deputy Director of the GDCh.
Front Run OrganX, Inc.
Custom Synthesis & Process Chemistry

WHEN QUALITY MATTERS
High Purity, Scalable Solutions to Challenging Organic Synthesis
Starting Materials to Pre-clinical
Single to Multi-Step mg to Kg
98% min. purity
Phone 978-356-7193  Fax 978-356-7449
Email Frontrun@Sprynet.com
www.FrontRunOrg.com

Preclinic DMPK
LCMS, MSn, Mass analysis with ESI/APCI/Malti-TOF/NanoSpray
www.HT-Labs.com
infox@HT-Labs.com (858)677-9432

Achieve Your Goals in Organic Chemistry
We deliver On time, On cost, and On target.
For Excellence in Organic Chemistry
Come to Organix Inc. for:
- Contract research and development
- Custom synthesis (milligram to kilogram) in all areas of organic and medicinal chemistry
- ‘H NMR and 13C NMR Spectra
- Structural Interpretation
- LC/MS Services

Organix Inc.
Phone: (781) 932-4142
Fax: (781) 933-6695
Email: organix@organixinc.com
www.organixinc.com

SCHWARZKOPF
Microanalytical Laboratory
Elemental & Trace Analysis
Organics, Inorganics
Organometalics
Metals by AA & Graphic Furnace
Functional Grps. - Mol. Wt.
Calorimetry
Total S. F. Halogens TOX
Coneg Testing  Custom Analysis
36-19 37th Ave. Woodside, N.Y. 11377
(718) 429-6248
schwarzkopf@micro@aol.com

Robertson Microlit Laboratories
- Elemental CHN, S, X, Analysis
- Metals by ICP-OES, ICP-MS, A/A
- FTIR, UV/VIS Spectroscopy
- Ion Chromatography
- Bioavailability
- Polarimetry
- DSC
- DSC
- KF Aquametry, Titrimetry

FDA Inspected

DuPont Analytical Solutions
From rapid, routine testing to complex problem-solving. One of the world's largest, and most diverse analytical laboratories, with the experience to solve your analytical challenges in:
- Electronic Materials
- Personal Care
- Catalysis
- Coatings, Pigments, and Adhesives
- Specialty Chemicals
- Films and Packaging
- Pharmaceuticals
- Plastics
- Fibers
- Textiles

DuPont Analytical Solutions
P.O. Box 80302
Wilmington, DE 19880-0302
Phone: (302) 695-1018
Contact us for all your analytical needs.
BUSINESS DIRECTORY

SERVICES

Chemical Solutions for the Life Science Industry
- Custom Organic Synthesis
- Process Development
- Contract R & D
- Pharmaceutical Intermediates
- Medicinal Chemistry Support
- Biotechnology Specialty Reagents
- Solid Support Reactions
- Process Validation
- Gram to Multi-Kilogram Synthesis

PolyOrg, Inc.
10 Powers Street, Leominster, MA 01453
Phone: 978-465-7978 Fax: 978-465-9602
Fax: 978-465-9602
Info@polyorginc.com
www.polyorginc.com

SERVICES

Registered Patent Attorneys
- Global Patent Protection
- Licensing
- Controlling Patent Costs
(978)887-8400 or (978)887-8274
Fax 111 at Interlaken 435, Easthampton, MA
jarendt@arendtpatentlaw.com

Elemental Analysis
- CHNOS ash
- ICP - AA, ICP-MS
- TOC - TOX - BTU
- Problem Solving

HUFFMAN LABORATORIES, INC.
Quality Analytical Services Since 1986
Phone: (301) 278-4455
Fax: (301) 278-7012
chemistry@huffmanlabs.com
www.huffmanlabs.com

NMR Service 500MHz
* Mass
* Elemental Analysis

NuMega Resonance Labs
Tel: (858) 793-6057

WANT MORE ARTICLES

When you tell our advertisers that you saw their ads here, they have more confidence in our newsletter’s viability as an advertising medium. They advertise more. This supports our many activities.

SEARCHING FOR THAT SPECIAL JOB?

There are many companies and organizations searching for chemical and biochemical personnel to fill important jobs in their organizations.

- Companies for laboratory and management positions
- Universities & Colleges for teaching positions and laboratory personnel
- Hospitals for technical and research personnel

There are several web sites that may help you search for these open positions,

- www.mbo-services.net/recr_disp.php

Index of Advertisers

Am. Instrument Exchange..............14
Arendt & Associates IP Group......15
Bruker Daltronics, Inc...............13
Chemir Analytical Services...........15
Chemo Dynamics LP ...................9
Desert Analytics Laboratory ...........7
DuPont Analytical Solutions .........14
Eastern Scientific Co................12
G. Finkenbeiner, Inc................14
Front Run OrganX, Inc..............14
HT Laboratories, Inc...............14
Huffman Laboratories, Inc.........15
IQSynthesis ...........................10
Laboratory Compliance Services..14
Mass-Vac, Inc.........................8
Micron Inc.............................14
New Era Enterprises, Inc..........15
Northeastern University.............2
NuMega Resonance Labs.............15
Organix, Inc...........................14
PCI Synthesis ........................11
PolyOrg Inc.........................15
Robertson Microlit Labs............14
Schwarzkopf Microanalytical ......14
Waters Corporation.................13

NESACS VOLUNTEERING

We need several volunteers to help with Nucleus activities

No experience needed

Just a willingness to learn and a sense of humor

For further information contact:
Vivian Walworth
Phone: 978-369-3735
Fax: 978-369-7306
Email: vwalworth@comcast.net

The Nucleus November 2007 15
**Calendar**

Check the NESACS Homepage for late additions: [http://www.NESACS.org](http://www.NESACS.org)

Note also the Chemistry Department web pages for travel directions and updates. These include:
- [http://chemserv.bc.edu/seminars.html](http://chemserv.bc.edu/seminars.html)
- [http://www.bu.edu/chemistry/events/](http://www.bu.edu/chemistry/events/)
- [http://www.chem.brandeis.edu/colloquium.shtml](http://www.chem.brandeis.edu/colloquium.shtml)
- [http://www.chem.harvard.edu/events/](http://www.chem.harvard.edu/events/)
- [http://www.chem.neu.edu/web/calendar/index.html](http://www.chem.neu.edu/web/calendar/index.html)
- [http://chem.tufts.edu/seminars.html](http://chem.tufts.edu/seminars.html)

**Nov 6**
- Professor Feng Gai (Univ. Penn.)
  “Fast Folding Events in Solution and in Membranes”
  Boston College, Merkert 130
  4:00 pm
- Dr. Sudip Parikh (Science Advisor - Senate Appropriations Committee)
  “NIH Funding and Stem Cell Research: Mixing Science and Politics in the U.S. Senate”
  Tufts Univ., Pearson, P106
  4:30 pm
- Dr. Jonathan Kenny (Tufts Univ.)
  “Multidimensional Fluorescence Analysis of Natural Waters”
  New England Section: Society for Applied Spectroscopy
  Hampton Inn – Speen St, Natick
  7:30 pm (5:30 pm refreshments, dinner 6:30 pm)

**Nov 7**
- Dr. Ashish Basu (U. Conn.)
  TBA
- Northeastern Univ, 129 Hurtig Hall
  12:00 Noon
- Dr. John Verkade (Iowa State Univ.)
  “Recent Developments in the Usefulness of Proazaphosphatranes in Organic Methodology and Some Other Interesting Chemistry”
  Brandeis, Gerstenzang 122
  3:45 pm
- Dr. Harry A. Frank (U. Conn., Storrs)
  “Photosynthetic Light-Harvesting by Carotenoids – A Structurally Diverse and Colorful Class of Pigments.”
  UMass Dartmouth, Building Group II, Room 115
  4:00 pm
- Ivan Dnouchowski (U. Penn.)
  TBA
  MIT, 6-120
  4:00 pm

**Nov 12**
- Dr. Jon Amster (Univ. Georgia)
  TBA
- Brandeis, Gerstenzang 122
  3:45 pm
- Professor Catherine Drennan (MIT)
  “Structural Insights into Enzymatic Halogenation of Natural Products”
  Boston College, Merkert 130
  4:00 pm
- Prof. Carolyn Bertozzi UC Berkeley
  “Chemistry in Living Systems: Shedding Light on Glycans”
  Tufts Univ., Pearson, P106
  4:30 pm

**Nov 14**
- Dr. Christopher Walsh (Harvard Medical School)
  “Natural Product Enzymatic Assembly Lines: Logic and Machinery”
  Northeastern Univ., 129 Hurtig Hall
  12:00 Noon
- James Boncella (Los Alamos National Lab)
  TBA
  MIT, 6-120
  4:00 pm

**Nov 15**
- Milli Dresselhaus (MIT)
  G. B. Kistiakowsky Lecture, Title TBA
  Harvard, Pfizer Lecture Hall
  8:00 pm
- Professor Song Jin, (Univ. Wisconsin-Madison)
  “How to Make a Christmas Tree: General Chemical Synthesis of Silicide Nanowires and Complex Nanowire Structures”
  Boston College, Merkert 130
  4:00 pm

**Nov 19**
- Dr. Lindsay Eltis (Univ. British Columbia)
  “Bacteria on steroids: the Good, the Bad and the Ugly”
  Brandeis, Gerstenzang 122
  3:45 pm
- Rama Rangathan (U. Texas, Southwestern Medical Ctr.)
  TBA
  Harvard, Pfizer Lecture Hall
  4:15 pm
- Professor Philip P. Power (U. C., Davis)
  TBA
  Auditorium B01
  4:00 pm

**Nov 20**
- Dr. Robert Volkmann (Pfizer Central Research)
  “Linking the Structure and Effects of Medicines”
  Northeastern Univ, 129 Hurtig Hall
  12:00 Noon
- Karen Goldberg (Univ. Washington, Seattle)
  TBA
  Harvard Univ., Pfizer Lecture Hall
  4:00 pm
- Jessica Robidoux
  “CSI and Chemistry”
  UMass Dartmouth, Building Group II, Room 115
  4:00 pm

**Nov 28**
- Dr. Elizabeth Komives (U. Cal., San Diego)
  “Biophysics of the NF-kappa B/ I kappa B Interaction”
  Northeastern Univ., 129 Hurtig Hall
  12:00 Noon
- Professor Ronald Raines (Univ. Wisconsin)
  “Stereoelectronic Effects on Protein Structure: Lessons from Collagen”
  Boston College, Merkert 130
  4:00 pm
- Bartosz Gryzbowski, (Northwestern Univ.)
  TBA
  Harvard Univ., Pfizer Lecture Hall
  4:00 pm

**Nov 29**
- Professor Donald W. Cram (Univ. California)
  “How to Make a Christmas Tree: General Chemical Synthesis of Silicide Nanowires and Complex Nanowire Structures”
  Boston College, Merkert 130
  4:00 pm

**Notice for The Nucleus Calendar of Seminars should be sent to:**
Sheila E Rodman
250 Kennedy Drive
Unit #403, Malden, MA 02148.
E-MAIL: serodman@hotmail.com