



Chemical Bond

**Volume 54
Number 3
March 2003**

St. Louis Section, American Chemical Society



**Dr. George Gokel
Winner of the 2003 St. Louis Award**

**The Department of Chemistry,
University of Missouri–St. Louis announces
The Annual Robert W. Murray Lecture**

T. Don Tilley

Professor of Chemistry at the University of California Berkeley
*Zirconocene-Coupling Routes to Macrocycles, Oligomers, Polymers and
Conducting Polymers.*

Monday, March 17, 2003

Lecture at 4:00 pm in 102 Benton Hall. Reception 3:15 pm.

All are welcome!!

T. Don Tilley received a BS degree in chemistry from the University of Texas and a Ph.D. degree from the University of California at Berkeley where he studied organolanthanide chemistry with Richard Andersen. He then held an NSF-sponsored exchange postdoctoral fellowship to work jointly with Bob Grubbs and John Bercaw at Caltech (1981-2), and Luigi Venanzi and Piero Pino at the ETH in Zürich (1982-3). In 1983 he joined the faculty at the University of California at San Diego and became Full Professor in 1990. In 1994, he accepted appointments as Professor of Chemistry at the University of California at Berkeley and as Faculty Senior Scientist at the Lawrence Berkeley National Laboratory. Professor Tilley received an Alfred P. Sloan Fellowship (1988), a Union Carbide Innovation Recognition Award (1991-92), a Japan Society for the Promotion of Science Fellowship (1993) and an NSF Creative Research Extension Award (1993).



Later at UC-Berkeley, Tilley received an Alexander von Humboldt Award (1998), was elected Fellow of the AAAS (1998) and received the 2002 ACS Award in Organometallic Chemistry. He has been a Visiting Professor at the ETH in Zürich (1998) and at the University of Montpellier in France (2000) and has been awarded named lectureships at the Universities of Oklahoma (1991), Ottawa (2000), Texas (2001), British Columbia (2002) and Arkansas (2003), and at RPI (2002). His research addresses synthetic and mechanistic problems in inorganic, organometallic, and materials chemistry. His materials chemistry work focuses on polymer syntheses and molecular precursors to solid state materials and heterogeneous catalysts.

The Robert W. Murray Lectureship was inaugurated in 1998 as an endowed lecture series through the kind contributions of family, friends, former students, colleagues of Dr Murray and alumni. The Lectureship honors the distinguished research career and the many contributions to UM-St. Louis over more than 30 years by Professor Robert W. Murray, Curators' Professor Emeritus.

Chemical Bond

Volume 54

No. 3

March 2003

The *Chemical Bond* is published in January Through May and September through December by the St. Louis Section-American Chemical Society. It is mailed free of charge to members of the section at their address on file at ACS National Headquarters. Changes of address for members will be made automatically upon notification to National ACS Headquarters; send old address and new address with zip codes to ACS Subscription Service Department, 1155 16th St. N.W., Washington, DC 20036 or visit chemistry.org, log in, and go to Update my Profile. Allow eight weeks for change to take effect.

The domestic subscription rate for non-members/affiliates is \$8.00 per year. Subscription orders and changes of address for non-members/affiliates should be mailed to the editor.

Editor	Eric Ressler	314/962-6415 (H) 314/286-6600 x2199 (O) ressner@world.att.net
Assistant Editor	Andrea Reaka	618/656-3739 (H) 314/362-3127 (O) andrea@ccb.wustl.edu
Advertising Manager	Sue Saum	636/949-4735 SSaum@lindenwood.edu
Business Manager	Donna Friedman	314/595-4388 dfriedman@stlcc.cc.mo.us
Staff Writer	John Bornmann	636/946-5161 jbornmann@msn.com
World Wide Web Webmaven	Lisa Balbes	http://www.umsl.edu/~acs lisa@balbes.com

*Correspondence, letters to the Editor, etc., should be sent to
St. Louis Section-American Chemical Society
125 West Argonne Drive, St. Louis, MO 63122*

Copyright © 2003 American Chemical Society and the St. Louis Section-ACS

In this issue . . .

- 4 Meetings & Seminars**
 - 6 Jack Sounds Off**
 - 7 Science Fair Call for Judges**
 - 8 Gokel Winner of the St. Louis Award**
 - 10 Jeannette Hecken, HS Teacher of the Year**
 - 14 Bond Briefs**
 - 17 Chemical Progress Week**
 - 19 Dinner Invitation: St. Louis Awards Banquet**
 - 20 Laboratory Science Building at Washington University**
-

Meeting & Seminars

Board of Directors

St. Louis Section-ACS Board of Directors meets the second Thursday of each month, usually at the Alumni Center, University of Missouri-St. Louis. Meetings are open to all members, and all are encouraged to attend. Elected officers and chairs of major committees have the right to vote; others in attendance have voice but no vote. If you want to attend the dinner, please contact Leah O'Brien (lobrien@siue.edu or 618-650-3562) at least one week prior to the meeting date. The usual cost of dinner is \$15. Members wishing to become active in section activities are welcomed for their first dinner compliments of the section.

Date: March 13
Social hour: 5:30 pm
Dinner: 6:30 pm
Business meeting: 7:15 pm
Future meetings: April 10,
May 8

St. Louis University

Seminars start at 3:30 pm in Room 204 Macelwane Hall, except as noted. Refreshments follow. For more information, contact Paul Jelliss, jellissp@slu.edu.

Friday, March 21
John Stezowski
University of Nebraska
Chemistry on the Nanoscale
- from Molecular Recognition
to Green Chemistry

Friday, March 28
Lori Vermuellen
Southern IL Univ. - Carbondale
Green with Envy - How Needy
Molecules Present Themselves
in the Solid State

University of Missouri- St. Louis

Refreshments at 3:45; seminars at 4 pm in B-451 Benton Hall. For further information, Contact Prof. Keith Stine, 314-516-5346, kstine@jinx.umsl.edu

Monday, March 3
Dr. Nancy Horton
University of Arizona
Sequence Selectivity and
Degeneracy in a DNA
Binding Enzyme

Monday, March 10
Dr. Robert Stanley
Temple University
Light Driven DNA Repair
in Real Time

Monday, March 17
102 Benton Hall
Reception at 3:15 pm
Robert W. Murray Lecture
Professor Don Tilley
University of California
-Berkeley
Zirconocene-Coupling Routes
to Macrocycles, Oligomers,
Polymers and Conducting
Polymers

Monday, March 31

Dr. Jim Rhiel

University of Minnesota-Duluth
*Luminescence Spectroscopy as
a Probe of the Solution Structure
and Excited State Energetics of
Macrocyclic Lanthanide (III)
Complexes*

Southern Illinois University - Edwardsville

Monday, March 31

Meridian Ballroom

Morris University Center

William J. Probst Lecture

Dr. George B. Richter-Addo

Oklahoma University

Small, Versatile, and Potent:

NO and You

Computational Chemistry Discussion Group

Meetings are held at Tripos,
Inc., 1699 South Hanley Road.
Parking is available in the rear of the
building. Refreshments at 4:30,
seminar at 5 pm. For more informa-
tion, or if you would like to make a
presentation at a future meeting,
contact Philippa Wolohan, 314-647-
8837 x3201, pwolohan@tripos.com or
Mitchell Polley x3358,
mpolley@tripos.com

Washington University

Seminars are in McMillen 311 at
4 pm unless otherwise noted. Coffee is
available 20 minutes prior to the talk,
and refreshments follow. For informa-
tion, contact Thomas P. Vaid,
vaid@wuchem.wustl.edu

ELEMENTAL ANALYSIS

C, H, N, O, S, P • Halogens • Ash • Metals
TOC • TOX • BTU • Molecular Weights
ICP • ICP/MS • IC
Custom Analysis • Problem Solving

HUFFMAN

LABORATORIES, INC.

Quality Analytical Services Since 1936

4630 Indiana Street • Golden, CO 80403
Phone: (303) 278-4455 • Fax: (303) 278-7012

Chemistry@huffmanlabs.com
www.huffmanlabs.com



Jack Sounds Off

by Jack Bornmann

On a Saturday afternoon about twenty years ago I was in my office at Lindenwood College reading an interesting article in *Science* about the universality of the distress cry among animals and birds. The common character was an increase in pitch and volume followed by a drop in pitch and volume. I recognized that I too had a distress call. If I accidentally smashed my thumb while hammering, my “Ow” paralleled the description in the article.

Letters & More Words

Later as I was walking home, I spotted a young cat in a front yard. I had previously developed a “meow” to attract some cats. On the spur of the moment I decided to try out a distress “meow”. When I uttered a “meow” with rising and falling pitch and volume, the cat was startled and ran rapidly to the adjacent front yard where a man and woman were sweeping up leaves. The cat ignored them and dashed up the steps to the front porch. When it realized that the front door was closed, it did an about face, leaped off the porch, made a 90-degree turn in mid air, and ran to the back of the house. The startled couple looked at the cat and one said, “I have never seen that cat do that before!” I continued my walk home, and very seldom used my distress call after that.

My wife and I visited the Ernest Hemingway home in Key West. He liked cats and put out food for strays. After he died the house was set up as a memorial to Hemingway and the new owners continued to put food out for stray cats. We were walking down a sidewalk leading to the front

entrance of the house. There was a parallel sidewalk with cats walking to the side of the house to receive their food.

I used my “come hither” meow to call to a small cat. It stopped, looked at me, and slowly made its way from its sidewalk toward me. When it got close enough it rubbed itself against my leg. I slowly hunkered down and reached out with the index finger of my right hand so that I could stroke its cheek. Its mother had stroked it in the same way to remove milk from its face when it was a kitten. Shortly food became more important than affection and it headed for the cat sidewalk.

Sometimes my dog DD comes down into the basement area where I have my computers and uses her nose to jiggle my elbow. When my mouse shoots across the mousepad and the cursor shoots across the screen, I know it is useless to try to continue using my computer. When I stand up DD moves off, looking back to see if I am following.

She leads me outside to the backyard. We stand out there looking at the yard and the many trees. Sometimes I sit in a lawn chair listening to the birds. I whistle to imitate their calls. There is a bird that sings E CCC. After about five seconds it repeats the song. This is an easy song to whistle. If I wait two seconds, we sing back and forth and it sounds like we are talking to each other. There are other birds that I whistle to. Sometimes if the backyard is very quiet, I will whistle and a bird will answer. Pretty soon the yard is again full of bird songs.

One afternoon when DD and I were in the backyard and I was whistling to the birds, I realized that one bird had gotten closer. I looked up and it was sitting on the corner of the porch roof. We talked back and forth for awhile until it flew over to the flew away and I have not seen it since. I hope it comes back this spring.

Career workshops working for you . . .

Getting ready to look for your first “real” job?

Afraid your position may be eliminated in the future?

Stuck in a job you hate, and looking for a way to change?

St Louis Section of the American Chemical Society and the Washington University Department of Chemistry are jointly producing a series of workshops aimed at helping chemists develop their careers, not just find another job.

March 20 - Résumés
(Kerry Gamber, Sigma-Aldrich)

March 27 - Interviewing
(Ken Manley, Spherion)

April 17 - Power Networking
(Billie Bright, Dale Carnegie Training)

April 24 - How to work with Recruiters
(Jeff Kammermeyer, kForce Recruiting);
The Difference between Large and Small Companies
(Kevin Tibbs, Chemia)

All talks are free and open to the public, and will take place from 6 to 7:30pm on Washington University’s hilltop campus. The first 3 lectures will be in the Laboratory Sciences building #250, the final session will meet in McDonnell #162. See campus map at visitor.wustl.edu/map/hilltop.html - Lab Sciences is #5, McDonnell is #54, and parking is #67.

For more information, contact Lisa Balbes at 314-966-5298 or lisa@balbes.com
or browse umsl.edu/~acs/special.html#career.

Gokel Winner of the St. Louis Award

George Gokel was born in New York City but raised in Florida. He received the B.S. in chemistry from Tulane University in 1968 and the Ph.D. in organic chemistry in 1971 from the University of Southern California. After two years of post-doctoral study with Nobel Laureate Donald Cram at UCLA, and a brief stay at Dupont's Central Research Department, he was appointed assistant professor of chemistry at the Pennsylvania State University in 1974. He moved to the University of Maryland as associate professor in 1978 and was promoted to professor in 1982. In 1985, he moved to the University of Miami in Florida as professor and associate chairman. In 1993, he moved to the Washington University School of Medicine where he is professor in the Department of Molecular Biology and Pharmacology and Director of the Chemical Biology Program. He was granted a joint appointment in the Chemistry Department at the Washington University in 2003.

Dr. Gokel's early work was in the area of phase transfer catalysis. He co-authored the first monograph in that field in 1978. He invented the compounds known as "lariat ethers" and studied them extensively. Crown ethers that have redox-switchable sidearms evolved from the lariat ethers and he introduced ferrocene as a structural and functional element in supramolecular chemistry. His research work has produced more than 300 papers and a dozen patents. He has authored, coauthored, or edited fifteen books.

Dr. Gokel's research work has gradually evolved in the direction of biology, in part owing to the influence of his current Department Head, Jeffrey Gordon. Their joint studies to



understand the binding and selectivity of the enzyme N-myristoyltransferase (NMT) produced nearly 30 joint papers and patents. During the past 10 years, Gokel pioneered the development of synthetic cation channels that function in phospholipid bilayer membranes. These compounds are of value in understanding the function of the far more complex channel-forming proteins. In recent, collaborative work with Prof. Paul Schlesinger in the Wash. U. Med. School's Cell Biology Department, Gokel has developed a family of membrane-anchored peptides that function as anion channels. These relatively simple structures exhibit remarkably complex behavior that it is hoped will lead to a better understanding of channel function generally. Because certain of these compounds are chloride selective, it is hoped that they may have therapeutic value in the treatment of cystic fibrosis.

Dr. Gokel's wife Kathryn also has a B.S. in chemistry but has an M.B.A. degree as well. They have three sons who, like Gokel, have black belts in Tae Kwon Do.

Science Fair Call for Judges

Science Fair season is just around the corner, and so is another opportunity for you to encourage an understanding of good science by participating as a Science Fair judge. ACS members judge chemistry projects for special awards at regional science fairs in the area. Secondary-level winners receive prizes from the section (science books and more), while all elementary-level participants with chemistry-related projects receive ribbons. Everyone (kids and judges) wins in other ways as well.

This year, the judging times are as follows:

St. Charles-Lincoln County Regional Science Fair

Monday, March 10th, 6:00 PM at St. Charles Community College

Illinois Junior Academy of Science Region 12 Science Fair

Saturday, March 22, 9:30 AM at SIU-Edwardsville

Greater St. Louis Science Fair

Friday, April 11, 6:00 PM at Greensfelder Pavilion at Queeny Park

Interested in judging? Please contact David Haselbauer:
phone: (314) 918-1062
email: djhase@swbell.net

St. Louis Awards Banquet

Monday, April 7, 2003

at Kremoll's Restaurant

Dinner Reservation

Member name _____

Number attending _____ x \$22.50 = Amount remitted \$ _____

Reservation must be received by April 5, 2003.

Please mail with check payable to St. Louis Section - ACS

to: Dr. Samir El-Altably
Camela Medical Equipment Co.
PO Box 50168
St. Louis, MO 63105



Jeanette Hecken, High School Chemistry Teacher of the Year

That Jeanette Hencken was given the Section High School Teacher Award for 2003 is a tribute to a master teacher and recognition for her innovative forensic courses at Webster High School, which have persuaded her students that chemistry is stimulating, challenging, and fun.

Jeanette has received national recognition for her courses, with interviews on CNN and Tech TV, and sits on the steering committee for the Forensic Science Education Conference. She and her students have been awarded a grant by the St Louis Police Department Crime Lab to identify off-brand athletic shoes. She has been honored by the Webster Groves School Board, has been nominated for the Loeb Award at the St Louis Science Center, and is writing the curriculum for a kit on Forensic Science for the Sargent-Welch workshops.

Jennette received her BA in Chemistry with minor in Math from Univ of Missouri–St. Louis in 1985. She was employed as a chemical technician at Monsanto from 1977-80 and at Sigma from 1985-86. She found her calling and was certified as

a chemistry teacher in 1991. She has taken graduate courses at Penn State Univ and Miami Univ of Ohio. She has served internships with Harold Messler at the SLPD Crime Lab and has eight hours of observation on Trace Analysis at the Missouri Highway Patrol's Forensic Science Lab.

She has been teaching at Webster Groves High School since 1993. She has given many workshops at the Education Topical Group, National Science Teachers Association, St Louis Public Schools, the Mineral Valley Area College, and Interface and has taught courses in Forensic Science at the Missouri Scholars Academy.

Jeanette lives outside of St. Clair, MO with her husband and two daughters, who are now in college, and grows vegetables and fruit in her garden when she has time.

Daniel Goldin, long-time head of NASA, in his retirement speech, urged high school teachers to make science attractive and relevant. Certainly Jeanette Hencken has succeeded in carrying out this mission.

COBERT ASSOCIATES

QUALITY PRODUCTS FOR CHROMATOGRAPHY

**XPORTEK® • CAPILLARY COLUMNS • HPLC COLUMNS • SPE •
VIALS AND ACCESSORIES • FILTRATION PRODUCTS**

Stocking Distributor For More Than 75 Manufacturers, Including:

- | | | | |
|----------------|------------|------------|------------|
| • ABI-Brownlee | • Keystone | • Rheodyne | • Upchurch |
| • Agilent/J&W | • Pierce | • Shodex | • Vydac |
| • Hamilton | • Optimize | • Synchron | • Whatman |



P.J. COBERT ASSOCIATES, INC. • P.O. BOX 460046 • ST. LOUIS, MO 63146
1-800-972-4766 • (314) 993-2390 • FAX (314) 993-2491
EMAIL cobert@cobertassoc.com • WEB SITE <http://www.cobertassoc.com>

Pick up

rotating

Mass-Vac ad

from p. 7 of December 2002

The Department of Chemistry and the Chemistry Club
Announce the Twenty-Seventh Annual
William J. Probst Memorial Lecture

Dr. George B. Richter-Addo

Presidential Professor of Chemistry, Oklahoma University

Monday, March 31st, 2003

“Small, Versatile, and Potent: NO and You”

7:00 pm Meridian Ballroom, Morris University Center

Additional Probst Lecture Events Include:

Student Research Symposium

Monday, March 31st, 2003
2 p.m. Meridian Ballroom,
Morris University Center

**“The Bioinorganic Chemistry of
Heme-NO Interactions,”**

George Richter-Addo
Tuesday, April 1st, 2003
10 a.m. Science Building

Funded in Part By:

The College of Arts and Sciences,
The Graduate School,
The Department of Chemistry,
and Student Activity Fees



For further information contact the SIUE Department of Chemistry at
(618) 650-2042



SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE

Marcus Award Competition Slated at SLU

The 2003 Leopold Marcus Award competition will be held Wednesday, April 2 at 4:00 p.m. in Lee Hall (Lecture Hall 1) on the campus of Saint Louis University.

The Leopold Marcus Award was established by the late Jack and Gertrude Marcus in memory of his father. It is administered by the Department of Chemistry at Saint Louis University and the St. Louis Section of the American Chemical Society.

The competition consists of presentations based on the undergraduate research projects of senior chemistry majors at Saint Louis University. The candidates, chosen by the faculty, will be making fifteen-minute presentations.

The winner of the award is determined by vote of the professional chemists in the audience. All ACS members are invited to attend. Refreshments will be available after the competition. For further information, contact Bruce Kowert at (314) 977-2837 or kowertba@slu.edu.

You've got a good CAES

The Collaborative for Applied Experiences in Science (CAES) is a compilation of applications for summer work experience by accomplished college students. The program matches the best and brightest undergraduates in science, mathematics, and engineering with St. Louis scientific and engineering companies.

Applicants are currently enrolled in leading institutions of higher education throughout the country and have indicated an interest in obtaining science-engineering work experience in the St. Louis area. All have completed at least one year of a math, science, or engineering curriculum and have impressive academic records.

If you or your company can place summer interns in appropriate work experiences, review the CAES Directory and contact any students who you think might be good candidates. Specifics concerning compensation, starting/ending dates, and other employment issues are strictly between you and the student.

You can review the CAES Directory in only one way. It is available on the CAES website: www.umsl.edu/~sep/caestoc.html. If you have any questions or concerns regarding this program or its participants, please contact Kenneth R. Mares, Director, at 314-516-6155 (phone), 314-516-6233 (fax), or e-mail at biokmare@admiral.umsl.edu.

CAES is part of the UM-St. Louis Science Education Programs Office and is sponsored by the E. Reuben and Gladys Flora Grant Charitable Trust, Commerce Bank and Eric F. Tremayne trustees, and the University of Missouri - St. Louis.

Bond Briefs

ACS WCC EIEIO

Plan to attend the 7th Annual Women Chemists Luncheon, on Sunday, April 13, 12 pm at the St Louis Science Center.

The speaker will be Madeleine Jacobs, editor-in-chief of Chemical & Engineering News. Her talk will be entitled Lessons Learned from a Lifetime of Communicating Chemistry. The cost is \$10. Reservations requested by April 10 to:

Leah O'Brien
phone: 618-650-3562
email: lobrien@slu.edu

All are welcome!

Career Awareness Fair

The 20th Anniversary Career Awareness Fair introduces 8th grade students to careers in chemistry. This event is sponsored by the Career Education Office of St Louis Public Schools and will be held at the America's Center on March 18-19, 2003 from 8:00 am to 2:00 pm.

Volunteers are still needed to staff the ACS booth. Contact Greg Wall at 800-325-5832 ext. 3139 or gwall@sial.com.

An Affair to Remember . . .

Recognition Night festivities on March 29 will honor new 50-year members and mark the presentation of the Distinguished Service Award to Donna Friedman. Lisa Balbes will be recognized for her service as chair last year and will give the Past Chair's address.

Always an affair to remember ... this year again at Glen Echo Country Club, 3401 Lucas and Hunt Road. For reservations, contact:

Samir El-Antably
P.O. Box 50168
St Louis MO 63105
314-644-5522

Make your reservations before March 27. Mail check for \$20 per person, payable to St Louis Section-ACS.

Undergraduate Research Symposium

The Undergraduate Research Symposium will be held on Saturday, April 26th, 1:00-4:00 pm, in McDonnell Douglas Hall, Saint Louis University campus. Parking will be available at the Olive-Compton garage. For more details or directions, contact:

Alexa Serfis
314-977-2842
barnoski@slu.edu

Flinn Again, Begin Again . . .

The Flinn Workshop for science teachers is about to begin again. It will take place from June 16 to the 20th. There is no deadline for applications, but availability is limited and fills quickly. This year will feature Lee Merek as a presenter (as seen on Late Night with Dave Letterman).

For more information and an application visit the Flinn website: www.FlinnSci.com and click on: Flinn Foundation.

New Staff Member

The *Bond* is happy to welcome a new member to the staff. Andrea Reaka is the new Assistant Editor of the *Bond*. She has returned to the St. Louis area after 12 years in Chicago, receiving all her degrees (B.S., M.S., and Ph.D.) from the University of Illinois at Chicago. Currently a post-doc in the Marshall Lab at Washington University, she is also the editor of the Edwardsville-Glen Carbon-SIUE American Association of University Women's newsletter *Equity & Education*.

St. Louis Kids Need Your Help!

Once again volunteers are needed for the Kids & Chemistry events. K&C is a highly popular outreach program sponsored by the American Chemical Society and the St. Louis Section. The goal of the program is to bring hands-on chemistry experiments to children in the 8-12 age group at various locations in the greater St. Louis area.

We have several events scheduled at the Science Center for Saturdays, March 22, June 21 and September 20. The events will be from 12:00 noon to 4:00 pm in two 2-hour shifts and, among others, they include making slime, doing color chromatography and pipetting. If you can help with supervising experiments at any time during these events please make a note on your calendar and contact either Anna Scarim Scarimal@slu.edu or Lynda Mcdowell mcdowell@wuchem.wustl.edu or Bijan Khazai bkhazai@sentortech.com.

POLYMER STANDARDS FOR GPC/SEC
MOLECULAR WEIGHT ANALYSIS
GPC/SEC COLUMN REPACKING

American Polymer Standards Corporation
8680 Tyler Boulevard, Mentor, OH 44060
Phone: 440-255-2211 Fax: 440-255-8397

Call for Nominations for the 2003 Midwest Award

The ACS St. Louis Section solicits nominations for the **2003 Midwest Award**. The St Louis Section established the ACS Midwest Award in 1944 to publicly recognize outstanding achievements in chemistry made in the Midwest region. Persons eligible for the Midwest Award are those who have made meritorious contributions to the advancement of pure or applied chemistry, chemical education, and the profession of chemistry. Nominees can be from industry, academia, government, or private practice. These contributions must have been made during a period of residence in the geographic area defined by the territories of the Local Sections that participate in the Midwest Regional Meeting of the ACS. Nominees can be from industry, academia, government, or private practice, and need not be members of the ACS.

The 2003 ACS Midwest Regional Award will be presented at the 38th Midwest Regional Meeting to be held at the University of Missouri – Columbia, in Columbia, Missouri, November 5-7, 2003. The ceremonies on November 6 will feature the Midwest Award Lecture, a dinner honoring the Medallist, and the presentation of the Award which shall be a medallion and a cash honorarium.

Nominations include a nominating letter, two or more seconding letters, a curriculum vitae, a brief biography, documented and objective information regarding the outstanding achievements of the nominee, and if the nominee is an academician a list of persons who have received advanced degrees under his or her direction. Please submit nine copies of all nomination material to: Jim O'Brien, Department of Chemistry, University of Missouri – St Louis, 8001 Natural Bridge Rd, St Louis, MO 63121-4499. All materials must be received on or before the deadline of March 31, 2003. Inquiries can be made to Jim O'Brien, at obrien@jinx.umsf.edu or 314-516-5717.

Chemical Analysis Services

- Materials Identification and Deformation
- Product Defects / Failure Analysis
- Thermal and Physical Testing (ASTM)
- Polymer Testing

ISO 9002
Certified



C H E M I R

Analytical Services

chemir.com

(800) 659-7659

Chemical Progress Week, April 7-13

Preliminary Schedule of Events

Monday, April 7 **Awards Night**

Honors winners of HS Chemistry Contest, Leopold Marcus Award, HS Teaching Award, Chemical Technician of the Year, and Outstanding Junior Chemistry Students at area colleges and universities.

Speaker: Angela Knickmeyer from Buckeye International

Time: 5:30 pm social hour, 6:30 pm dinner, 7:15 pm program

Location: Kemoll's Restaurant (first floor), 211 N. Broadway

Cost: \$22.50

Contact: Bijan Khazai (314) 497-8629 / khazai@sentortech.com

Tuesday, April 8 **ADACIOM Luncheon**

Speaker: David Julien, Pres. of Sigma Chemical's Bio-Tech div.

Time: 11:30 am

Location: Sheraton Clayton Plaza, 7730 Bonhomme, Clayton, 63105

Cost: \$40 at door, \$35 in advance

Contact: Cathy Murphy cmurphy@berlinpackaging.com

Thursday, April 10 **ACS Board Meeting**

Time: Social Hour 5:30 pm, Dinner 6:30, Business Meeting 7:15

Location: UM—St. Louis Alumni House

Cost: Dinner is \$15

Contact: Leah O'Brien (618) 650-3562 or lobrien@siue.com

Friday, April 11 **Chemistry Career Day**

15 minute talks by speakers representing different areas of chemical employment and education. Tours of the UM—St. Louis chemistry facilities, Chemistry Club demonstrations, glass blowing, and a pizza lunch.

Time: 9:00 am – 12:00 pm

Location: Benton Hall

Contact: Jim O'Brien or Keith Stine (314) 516-5311 before March 28th

Friday, April 11 **St. Louis Award Symposium**

Awardee: George W. Gokel of the Dept. of Molecular Biology and Pharmacology at Washington University Medical School.

Location and Contact: TBA

Saturday, April 12 **St. Louis Award Banquet**

Time: Cocktails 6 pm, Banquet 7 pm, Program 8 pm

Location: Kemoll's Restaurant, 1 Metropolitan Square, St. Louis

Cost: \$30

Contact: Samir El-Antably (314) 664-5522

Sunday, April 13 **Women Chemists Luncheon**

Speaker: Madeleine Jacobs, Editor-in-Chief, Chemical & Engineering News

Time: 12 pm

Location: St. Louis Science Center Lower-Level Meeting Rooms

Cost: \$10

Contact: Leah O'Brien (618) 656-3739 or lobrien@siue.edu

New Laboratory Sciences Building at Washington University

The new Laboratory Science Building on the campus of Washington University in Saint Louis will be dedicated in a special ceremony on Friday, March 7, 2003 at 3:30 p.m. The Chemistry Department has issued an invitation to all ACS members.



The dedication program features:

- Samuel W. Bodman, Ph.D., Deputy Secretary, United States Department of Commerce, delivering remarks concerning *Science and Prosperity: the Role of the Basic Sciences in Promoting Economic Vitality*

- David R. Harvey, Ph.D., Chairman, President and CEO, Sigma-Aldrich Corporation, will provide an industry perspective on Dr. Bodman's comments.

A reception buffet and tours of the building will follow the presentations.

The University opened this building in August 2002 to bring state-of-the-art resources to bear on undergraduate chemistry laboratory instruction and graduate chemistry research. Each of the five general chemistry and four organic chemistry teaching laboratories contains 20 research stations for individual students' experiments, and is fully

wired for internet access. Two additional laboratories, designed for advanced instructional programs in physical, inorganic, nuclear, biological, and materials chemistry, are also located in the new building.

Classroom resources in the 129,500 gross square-foot facility define the "state-of-the-art" in terms of handicap access, sightlines, and audio/visual facilities including large, multi-tiered chalkboards, computer driven "smart boards," and video beamers. Computer access is via both wired and wireless capability. A 2,300 square-foot resource center offers a place for students to gather, socialize, and study in quiet, beautiful surroundings.

Student response to the new facility has been extraordinary. Senior students nearing graduation have wondered aloud if they should re-enroll for a second degree in chemistry just to experience the new laboratories.

In addition to undergraduate facilities, the new building expands the Department's graduate research laboratories with 25,000 net square feet of space to be outfitted beginning in July as faculty research laboratories. Graduate research laboratories on the 4th level will support synthetic chemistry programs while the 1st level will provide space for high-end physical instrumentation. This level also includes access to 20' x 20' silos, 45' below ground level, designed to accommodate 21 tesla (900 MHz) NMR magnets and, if needed, up to 300 tons of iron shielding. The exceptional research facilities present in the new building will allow Department to recruit and retain the best faculty, who in turn will attract

and retain the best students.

The building dedication will occur in the 357-seat Jerzewiak Auditorium and the reception buffet follows in the adjacent Rettner Gallery. Building tours will highlight the laboratories; large and small classrooms; smaller rooms for tutorials, seminars, and computer-assisted instruction; the student resource center; and the glass-encased Public Viewing Laboratory.

For more information or to accept the invitation to addend the dedication, please call 314-935-8003 or email
Michelle_Milligan@aismail.wustl.edu.



micron inc.

Analytical Services

Complete Materials Characterization **Morphology Chemistry Structure**

SEM - TEM - EPA - ESCA - AUGER
XRF - XRD - FTIR - DSC - TGA

3815 LANCASTER PIKE, WILMINGTON DE.19805
PHONE 302 - 998 - 1184, FAX 302 - 998 -1836
E-MAIL MICRONANALYTICAL@COMPUSERVE.COM
WEB PAGE WWW.MICRONANALYTICAL.COM

St. Louis Section
American Chemical Society
125 West Argonne Drive
Kirkwood, MO 63122

Non-Profit
U.S. Postage
PAID
St. Louis, MO
Permit No. 850

Rush-Dated Material Inside

*Pick up
Sigma ad
from back cover
of previous issue*