

The Chemical Bulletin

<http://chicagoacs.org>

JUNE • 2010

CHICAGO SECTION AMERICAN CHEMICAL SOCIETY

Monthly Meeting

THURSDAY, JUNE 17, 2010

Manzo's Banquets
1571 S. Elmhurst Road
Des Plaines, IL
847-593-2233

DIRECTIONS TO THE MEETING

From the East: Take I-90 west. Exit onto Elmhurst Road north. Go past first traffic light (Oakton St.). The banquet hall is on your right.

From the West: Take I-90 east. Exit onto Arlington Heights Road south. Go to Higgins Road (Rt. 72). Turn left. Take Higgins to Oakton St. Turn left. Go to Elmhurst Road. Turn left. The banquet hall is on your right.

From the North: Take I-294 south to I-90 west. Exit onto Elmhurst Road north. Go past first traffic light (Oakton St.). The banquet hall is on your right.

From the South: Take I-294 north to I-90 west. Exit onto Elmhurst Road north. Go past first traffic light (Oakton St.). The banquet hall is on your right. Another way from the South is to take I-355 north to I-90 east. Exit onto Arlington Heights Road south. Go to Higgins Road (Rt. 72). Turn left. Take Higgins to Oakton St. Turn left. Go to Elmhurst Road. Turn left. The banquet hall is on your right.

PARKING: Free

JOB CLUB 5:00 - 6:00 PM

SOCIAL HOUR (Cash Bar) 5:30 - 6:30 P.M.
Complementary pizza

DINNER 6:30 P.M.

Menu: Onion Soup; Garden salad with choice of dressing; Entrée Selections: Tilapia, New York Strip Steak, or Pasta Primavera; rolls and butter; Spumoni ice cream; beverage.

(continued on page 2)

GENERAL MEETING 7:30 P.M.

Presentation of the 50 and 60-YEAR AWARDS

The Chicago Section honors our fifty and sixty-year members.

Presentation of the 2010 DISTINGUISHED SERVICE AWARD to Russ Johnson (see page 5)

After-Dinner Speaker



Joe Alper, Founder, Parrotfish Consulting

Topic: "Confessions of a Science Nerd"

Abstract: A love affair with science does not always translate into a career as a scientist, but it can lead to plenty of opportunities to advance the frontiers of

(continued on page 2)

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science in other ways. Today, a legion of scientifically trained professionals is working behind the scenes to help promote the cause of science in a variety of careers, including that of science writing.

Though most scientists have a negative opinion of science writers, stemming largely from their interactions with those science writers who make a living as journalists, the majority of science writers have little to do with magazines and newspapers. These write for much smaller audiences such as Congressional staff, patient advocacy groups, corporate boards, funding agency bureaucrats, and even the President of the United States. A glamorous job? Hardly, but one that can be intellectually satisfying for the true science nerd, and one that comes with many lessons that can benefit all scientists.

This presentation will discuss some of those lessons and provide a view through one science writer's eyes of how being a science nerd can take you to unexpected places in life.

Biography: Joe Alper is the principal of Parrotfish Consulting, which he founded in 1998 to offer communication and strategic planning services to companies, foundations, and the Federal government. He has played a major role in several large research initiatives, including the National Institute of Mental Health's Decade of the Brain and the National Cancer Institute's Alliance for Nanotechnology in Cancer and the Physical Sciences in Oncology Initiative. He also works with the President's Council of Advisors on Science and Technology formulating advice on a wide range of scientific issues for President Obama.

Over the years, he has done his share of journalism, writing the first popular report on the biochemical basis of mental illness for *The Atlantic Monthly*, and contributing to a wide range of publications, including *Science*, *Nature*, *Analytical Chemistry*, *The Smithsonian*, *The New York Times*, and others. He also served as editor of the ACS's *Chemistry Magazine*, hosted the ACS's Careers Industry Forum, and was in charge of strategic planning and corporate communications for NeXstar Pharmaceuticals, a chemistry-based biotechnology company. He even spent one month as the special assistant to the Deputy Director for Education at the National Science Foundation.

Joe was the first freelance writer to win the ACS's James T. Grady-James H. Stack Award for Interpreting Chemistry, and was the first writer to win two National Magazine Awards from the American Psychological Association.

After growing up in Morton Grove, Illi-

nois, Joe received his B.S. in chemistry from the University of Illinois in Urbana-Champaign, and M.S. degrees in biochemistry and agricultural journalism from the University of Wisconsin-Madison.

JOB CLUB

The next meeting of the **Chicago Section ACS Job Club will be held on Thursday, June 17 at 5:00 p.m. at Manzo's Banquets.** The meeting will include a review and discussion of some of the tools that a chemist can use to conduct a job search.

The Job Club provides a continuing opportunity for unemployed members of the Section to meet with one another, share their experiences and develop a network that may help in identifying employment opportunities. Bring plenty of resumes and business cards to distribute to your colleagues. Be prepared to talk about the kind of job you are seeking.

Several participants have received outsource help with resume preparation and marketing strategies to present their best attributes to prospective employers. The group has critiqued some individual resumes and made suggestions for improvements in a positive way!

The Job Club is also for employers seeking chemists. Employers need to be prepared to describe the positions to be filled and requirements for these positions.

Should you wish to attend the Section's dinner meeting following the Job Club, the cost is \$20 and you can continue your networking activities. Please call the Section office for reservations and indicate that you are eligible for a discount.

Also, the Chicago Section's website has a link to the Job Club's yahoo job forum group. If you can't attend the Job Club, you can still find out about job openings and other information.

SUMMER SCIENCE CAMPS

From June 14 to July 30, the SciTech Hands-On Museum in downtown Aurora will offer 24 one-week camps for children, including the popular camps "Totally Ballistic!!" and "Kitchen Chemistry" as well as the new "Wild Weather Wonders" camp. The camp schedule and descriptions are available at www.scitechmuseum.org. The cost per camp is \$225. Members receive a discount.

For more information and to sign up, call Joyce at 630-859-3434, ext. 214.

SciTech Hands On Museum
18 West Benton St
Aurora, IL 60506

DINNER INFORMATION

Dinner reservations are required and should be received in the Section Office via phone (847-391-9091), email (chicagoacs@ameritech.net), or online (<http://www.chicagoacs.net>) by noon on Tuesday, June 15.

The dinner cost is \$35 to Section members who have paid their local section dues, members' families, and visiting ACS members. The cost to members who haven't paid their local section dues and to non-Section members and is \$37. The cost to students and unemployed members is \$20. Seating will be available for those who wish to attend the meeting without dinner. PLEASE HONOR YOUR RESERVATIONS. The Section must pay for all dinner orders. No-shows will be billed.

NOTICE TO ILLINOIS TEACHERS

The Chicago Section ACS is an ISBE provider for professional development units for Illinois teachers. Teachers who register for this month's meeting will have the opportunity to earn CPDU's.

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"CHEM SHORTS" For Kids

The Elementary Education Committee of the Chicago Section ACS presents this column. They hope that it will reach young children and help increase their science literacy. Please print it out and pass it on to your children, grandchildren, or elementary school teachers. Teachers are encouraged to incorporate the projects in this column into their lesson plans.

Sunscreen Savvy

Kids, now that summer is upon us would you like a way to prove that a sunscreen works without using your own skin as the test? For this activity you will need a sheet of black & white newspaper or construction paper (red or dark blue work best), four zip-seal sandwich bags, two sunscreens (one lotion and one spray, both labeled "clear", and both having the same sun protection factor - SPF), a piece of fabric, and a sunny outdoor location.

Cut four pieces from the newspaper or construction paper and the fabric, sized to perfectly fit inside the plastic bags (about 5" x 6"). Place one piece of paper in each plastic bag so that the paper lies flat. Treat the bags as follows:

Bag #1. Coat one side of the bag with a thin layer of sunscreen lotion.

Bag #2. Coat one side of the bag with a layer of spray sunscreen.

Bag #3. Place the fabric in the bag to cover the paper and lie flat.

Bag #4. Leave as the untreated control.

Seal each bag. Place the four bags in a sunny location outdoors with the treated side up. You may need to anchor them so they remain flat and don't blow away. After 1 or 2 sunny days, open the bags to observe the paper.

The paper in the untreated bag should fade or turn yellow (newspaper) after sun exposure. But the paper samples underneath layers of sunscreen remain protected from the sun's rays and should retain their original color. The paper under the fabric should be somewhat affected; the degree depends on the fabric used. For example the SPF of white cotton is much lower than that of denim.

Sunscreens work either by absorbing or by scattering UV rays. Sunscreens that absorb UV rays contain organic molecules, usually octinoxate and/or avobenzone. Sunscreens that scatter UV rays contain inorganic compounds such as titanium dioxide (TiO₂) or zinc oxide (ZnO). The smaller the inorganic

particles are, the more transparent or "clear" is this type of sunscreen.

References:

Erica Jacobsen, ACS ChemMatters, April 2010, page 15.

For an explanation of sunscreen ingredients and for further activities see the same publication, page 13 by Gail Mitchell Emilsson.

Submitted by DR. KATHLEEN CARRADO

All past "ChemShorts for Kids": http://chicagoacs.org/CS_home.html

JOIN US AT THE FAIR!

The Chicago Section, along with the other ACS Illinois Sections, again plans to have an exhibitor's tent at the Illinois State Fair **August 13-22** in Springfield, IL. Our joint-sections' tent activities provide information to the public on chemistry with demos, hands-on activities, computer quizzes, posters, literature, and give-aways. They give us a chance to show the positive aspects of chemistry to many Illinois citizens and governmental leaders. **Last year, over 11,500 people visited our tent.**

We particularly need volunteers to help during the fair. Student members and other student volunteers are welcomed! If you are interested in helping us for a few hours in this fun and worthwhile outreach activity (you do get free admission to the Fair, free parking and a T-shirt if you sign up to volunteer in time!) -- call the Section office at (847) 391-9091 and go to our website at http://chicagoacs.net/state_fair/index.html for information and to sign-in using our online volunteer scheduler.

DEADLINES FOR THE CHEMICAL BULLETIN

Please submit all *Chemical Bulletin* copy to the editor before the deadlines listed below for each issue. Articles can be emailed to the editor, Cherlyn Bradley, cbrad1027@aol.com.

Since we like the Bulletin to be as timely as possible, we need the lead time indicated. You can help by early planning and submission of your information or articles.

2010 Issue

Deadline

September
October
November
December

July 9
August 27
September 24
October 22

June, 2010 Vol. 97, No. 6. Published by the Chicago Section of The American Chemical Society, Editorial Staff: Cherlyn Bradley, Editor; Fran Kravitz, Associate Editor; Richard Treptow, Proofreader; Frank Jarzembowski, Publications Business Manager. Address: 1400 Renaissance Dr., Park Ridge, Illinois 60068; 847/391-9091. Subscription rates: \$15 per year. Frequency: monthly-September through June.

MESSAGE FROM THE CHAIR

We welcome Joe Alper back home to Chicago for our meeting on June 17. Joe is one of the best known communicators of chemistry to the general public. If you would enjoy a great story about a non-traditional career in chemistry, plan to attend this meeting. Details of the meeting and information about Joe and his presentation are found in this issue. Also at the June meeting, we will present our Distinguished Service Award to Russ Johnson and acknowledge our 50-year and 60-year members.

Throughout the year, we have a Minuteman Committee that provides timely information about our monthly meetings to organizations that employ several of our members. If you would be willing to circulate this information to colleagues at your workplace, please provide your contact information to the section office.

As part of our promotion of National Lab Day, I would like to prepare a list of community outreach activities done by our members during the spring months. If you did any type of outreach activities involving chemistry to students or adults, please inform me or the section office about the details.

Remember that the dates for the Illinois State Fair in Springfield are August 13-22. You can sign up on the project's website, http://chicagoacs.net/state_fair/index.html, to volunteer in the exhibit booth during the fair. We still need financial support from individuals and organizations that can make a donation to support this worthwhile project.

Our fall program begins with our meeting on September 24. Enjoy the summer months. Take time to relax with your family and friends.

KEN FIVIZZANI

The mission of the Chicago Section of the ACS is to encourage the advancement of chemical sciences and their practitioners.

CONGRATULATIONS TO OUR 50 AND 60-YEAR ACS MEMBERS!

As part of our June 17 meeting program, we will honor an elite group of our section members who have been ACS members for 50 or 60 years! A membership card entitling them to free attendance at all ACS meetings is sent to each of them from the ACS National office in grateful appreciation of their many years of service to the Society. At our meeting, each of them will be presented a handsome membership certificate to mark the occasion.

50-yr Members for 2010

John Anderson
Michael Barany
Rudolph Bernath
Theodore Bohigian, Jr.
Hung Chen
Carolyn Damon
Eugene De Sombre
Philip Eaton
John Faris
Mary Hanlon
Robert Holzinger
Rebecca Jarabak
Thomas Krigas
Yvonne Martin
Garbis Meguerian
Susan Meschel
Allan Nader
Kenneth Neet
George Nichols
Gilbert Opperman
Stuart Scheppele
Donald Schmulling
Robert Shone
James Stowell
Allen Wysocki

60-yr Members for 2010

Benjamin Bolton
Elliott Burrell, Jr.
Elias Fischer
Robert Gomer
Thomas Hall
Seymour Jacobson
Stephen Kraychy
Charles Lange
Claude Lucchesi
John Luvisi
John MacDonald
William Martin
George Pinney
George Pratt
Eugene Pyrcioch
Fred Reagel
Alan Schriesheim
Melvin Vincent
Robert Voedisch
Walter Walker
Herman Wexler
R. Wheeler
Solomon Zaromb

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RUSSELL JOHNSON RECEIVES THE DISTINGUISHED SERVICE AWARD



The 2010 Distinguished Service Award will be presented to **Russell Johnson** at the Chicago Section meeting on June 17, 2010.

The Distinguished Service Award (DSA) was established in 1974 at the suggestion of Louis L. Lerner, who was consulting editor of *The Chemical Bulletin* at that time. The award was established to recognize members of the Chicago Section ACS who have provided exceptional service to the Section, separate from any other achievements of the recipient, either in the profession or by the National ACS.

Russ was born in and grew up in the Minneapolis area. He became interested in physics in grade school and won a Blue Ribbon in a Minneapolis area high school science fair for building a small particle accelerator. He knew by this time that he wanted to become a scientist and was torn between physics and chemistry. He attended the University of Minnesota, majored in chemistry, worked as an undergraduate research assistant for a physical chemistry professor and received a B.S. in chemistry.

He met his future wife, Mary, while changing tires as a Sears auto mechanic and earning tuition for the next quarter. Russ was in boot camp for the Air Force during graduation, but returned home just in time to get married, enjoy a honeymoon on the way to the University of Colorado, and arrive just in time for the qualifying tests and classes. Graduate school was made even busier by the need to do well in the Air Force ROTC program, since dropping would result in a letter to the draft board and an Army career.

Russ studied inorganic chemistry at the University of Colorado and at the same time learned that he actually likes airplanes. After studying kinetics and ther-

modynamics, enduring a great amount of pain trying to synthesize simple inorganic molecules and completing Skiing 101, Russ completed his Ph.D. He joined the Air Force Reserve, joined the ACS at the advice of his professor, and moved to UOP in the flat land of Illinois, expecting to stay at least for a year or two until he could find a job in a state with mountains. Russ has been in the Chicago area for the last 35 years. This year, Mary and Russ will celebrate 40 years of marriage, 4 wonderful children, and two grandchildren.

Russ' job at UOP changed a lot over the years with corporate mergers, which resulted in UOP becoming part of Honeywell. He has held a wide variety of jobs and is currently a Corporate Fellow. His work has led to 56 US Patents and numerous publications.


Russ has a long record with the ACS and the Chicago Section. Early in his career, colleagues suggested that he should support his profession in addition to earning a paycheck from the company - that it is best to improve both. Starting with the Chicago Section on the Special Topics Committee, Russ helped to find before dinner speakers at Section meetings. Since that time, he has served on many of the Section committees, including the Environmental and Lab Safety Committee, the Continuing Education Committee, the Public Affairs Committee and the Chemistry Day Committee. In addition, Russ has twice served as Section Chair. Currently, Russ is Chair of the Public Relations, Bylaws, and New Technology Enhancement Committees. He was Co-General Chair of the Great Lakes Regional Meeting last year.

Russ is a Section Councilor and at the national level just completed serving as the Chair of the Board Council Committee on Public Relations and Communications. Russ is now serving nationally on the Committee on Chemistry and Public Affairs. He is also a past Chair of the Division of Petroleum Chemistry. His advice to new chemists: support your profession in addition to earning a paycheck; it is best to improve both...and have a fun and balanced career.

Please join us on June 17 as we honor Russ with the 2010 Distinguished Service Award for his outstanding service to the Chicago Section.

Did You Know?

The 2010 theme for National Chemistry Week is "Behind the Scenes with Chemistry!" More information to follow regarding our Chicago-style Chemistry Day activities this October



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WCC ARTICLE AUTHORS NEEDED

The Chicago Section's Women Chemists Committee has a project to highlight women, both current and historical, and topics of interest to women. The project is called the "WCC Column" in the *Chemical Bulletin* and the project has been very successful.

We invite anyone, women or men, to join us in this endeavor of writing an article for the column. The article needs to be about 500 words long and will also be put on the Chicago Section website. The author also needs to design a poster for the corresponding monthly meeting. Our office manager, Gail Wilkening, will help with the poster, which can be primarily a large font version of what you wrote, if you wish. We welcome new authors and those who have already discovered what a pleasure this project is. Whether you interview a current chemist or research an historical chemist on the web, please join us in this stimulating activity.

CO-CHAIRS MARGY LEVENBERG
AND SUSAN SHIH

Chicago Section American Chemical Society
Profit and Loss
January through December 2009

	<u>Jan - Dec 09</u>
Income	
Affiliate Membership Dues	30.00
Chem. Bull. Advertising	14,620.00
Chem. Bull. Misc. Revenues	30.00
Donations	
Snack Donations	744.00
Donations - Other	365.00
Total Donations	<u>1,109.00</u>
Gibbs Meeting Registrations	2,025.00
Income from GLRM	5,771.91
Investment Transfer	0.00
Local Section Dues	32,246.07
Meeting Registrations	18,555.95
Miscellaneous Revenues	4,222.00
Nat'l Allotments & Commissions	27,799.00
National ACS Reimbursements	19,910.23
Project SEED Income	8,685.00
S-N Managed Earnings	3,089.66
S-N Self Managed Earnings	50,162.60
Total Income	<u>188,256.42</u>
Expense	
Awards	537.32
Chair	168.51
Chair-Elect	499.57
Chem. Bull. Mailing	194.00
Chem. Bull. Production	5,678.38
Community Affairs	
Chemistry Week	747.22
Community Affairs - Other	276.71
Total Community Affairs	<u>1,023.93</u>
Comptroller	1,117.00
Dinner Meetings	16,988.53
Dinner Subsidies	1,548.00
Gibbs Arrangements	8,632.60
High School Education	1,434.59
Hospitality	1,144.81
House	2,209.95
Illinois State Fair	1,000.00
Insurance	460.00
Office	2,093.46
Payroll Expenses	
FICA	2,013.83
Medicare	470.99
Payroll Expenses - Other	32,521.80
Total Payroll Expenses	<u>35,006.62</u>
Postage	148.51
Pre-Dinner Meeting	35.00
Professional Relations	89.52
Program	1,884.08
Project SEED	8,400.00
Public Affairs	772.36
Rent	9,731.71
Scholarships	13,000.00
Secretary	4,513.59
Telephone	1,517.38
Travel (Councilor)	26,658.30
Treasurer	15.00
Web	71.40
Total Expense	<u>146,574.12</u>
Net Income	<u>41,682.30</u>

Chicago Section American Chemical Society
Balance Sheet
As of December 31, 2009

ASSETS

Current Assets

Checking/Savings adjustment	300.00
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Northern Trust Bank	11,816.31
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Total Checking/Savings	12,116.31
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Accounts Receivable

Accounts Receivable	10,151.51
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Total Accounts Receivable	10,151.51
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Other Current Assets

Gibbs Medal Inventory	11,346.84
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Petty Cash	400.00
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Prepaid Expenses	981.67
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S-N Self-Managed Equities	278,347.23
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S-N Self Managed Cash Account	-41,642.28
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S-N Self Managed Gen Money Mkt.	78,291.78
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S-N Self Managed Mutual Funds	267,494.57
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S-N Self Managed Other Invest.	115,287.40
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S-N Self Managed Preferred	335,583.48
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S-N Self Managed Unr. Cap Gains	-150,675.75
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Total Other Current Assets	895,414.94
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Total Current Assets	917,682.76
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TOTAL ASSETS

	<u><u>917,682.76</u></u>
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LIABILITIES & EQUITY

Liabilities

Current Liabilities

Other Current Liabilities

Contingency Reserve Fund	35,294.69
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Freud Trust Endowment Fund	5,916.11
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General Endowment Fund	21,348.45
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Holding Fund	958.84
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Ipatieff Library Endowment Fund	15,430.94
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Lishka Scholarship Endow. Fund	54,189.68
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Marshall S. Smoler Endowment	22,549.47
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Meeting Place Reserve Fund	156,963.54
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Payroll Liabilities

Payroll Liabilities - State WH	-1,490.30
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Payroll Liability--FICA	781.86
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Payroll Liability--Medicare	118.21
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Payroll Liability - Federal WH	505.32
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Total Payroll Liabilities	-84.91
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Project SEED Endowment Fund	44,715.05
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Schaar Scholarship Fund	11,557.58
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Scholarship Endowment Fund	422,980.16
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Scholarship Operating Fund	63,417.00
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W. Gibbs Medal Endowment Fund	28,326.77
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Total Other Current Liabilities	883,563.37
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Total Current Liabilities	883,563.37
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Total Liabilities

	883,563.37
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Equity

Opening Bal Equity	7,473.46
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Retained Earnings	-15,036.37
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Net Income	41,682.30
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Total Equity	34,119.39
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TOTAL LIABILITIES & EQUITY

	<u><u>917,682.76</u></u>
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FOR WOMEN IN SCIENCE THE L'OREAL-UNESCO AWARDS 2011 IN THE PHYSICAL SCIENCES

Since its inception in 1998, the "For Women in Science" partnership expands each year. To date, the L'OREAL-UNESCO Awards have distinguished 62 eminent women scientists at the height of their careers and the International Fellowships have supported 150 promising young women scientists to pursue doctoral and postdoctoral research projects. In recent years, a network of National Fellowship programs at the doctoral level, now in over 45 countries with new programs launching every year, has encouraged over 700 young women to continue their scientific research studies within their countries of origin.

The 2009 L'OREAL-UNESCO Awards Jury in Physical Sciences was presided by Professor Ahmed Zewail, Nobel Prize in Chemistry recipient in 1999, in the presence of Professor Christian de Duve, Nobel Prize in Medicine 1974 recipient and Founding President of the Awards. The Jury designated the following Laureates in the Physical Sciences:

- Professor Tebello NYOKONG (South Africa) for Africa and Arab States
- Professor Akiko KOBAYASHI (Japan) for Asia Pacific
- Professor Athene DONALD (United Kingdom) for Europe
- Professor Beatriz BARBUY (Brazil) for Latin America
- Professor Eugenia KUMACHEVA (Canada) for North America

Last December was an historic moment for the L'OREAL-UNESCO Awards when two of the 2009 Nobel Prizes in Science were awarded to former Laureates of the L'ORÉAL-UNESCO Awards. Ada Yonath (Israel), Laureate in 2008, received the 2009 Nobel Prize in Chemistry, and Elizabeth Blackburn (USA), also Laureate in 2008, received the 2009 Nobel Prize in Medicine.

The deadline of JUNE 15 is rapidly approaching for submitting your nominations for the 2011 L'OREAL-UNESCO Awards "For Women in Science" dedicated to the Physical Sciences.

Please access the online nomination form through this link: https://ww5.eudonet.com/app/specif/EUDO_00481/UnescoSiteWeb/Authentication.aspx?formulaire=parrain&prix=

Your login is your email address and the password is FWIS2011.

The five \$100,000 Awards will be pre-

sented in March 2011 at UNESCO Headquarters in Paris to five women scientists who have made an outstanding contribution to scientific advancement in their field.

If you have questions, send an email at lorealunescoawards@dgc.loreal.com

THE UN-COMFORT ZONE

How Cool are You?

My sons recently started talking about being cool, and I recalled my own teenage years and the need to be cool. That driving desire dictated the clothes I wore, the music I listened to, and what subjects I became conversant in. And, yet despite all my motivation and effort, it remained elusive.

When I look back, I can see that all I really wanted was to be accepted, liked and admired. But, whatever I tried, I never quite felt cool enough. The problem was that I didn't really understand the term until I'd spent a few years living and working in the real world.

So, I explained to my kids, "Cool is when there's a problem and you do not get upset by it. When everyone else is panicking, rushing around and over reacting, the cool person is the one who stays calm, assesses the situation, and then makes a reasoned decision on what to do."

One day, I'll tell them about Frances Healan, my friend who completely owned this concept. Mrs. Healan walked with a limp, and I learned that she had a severe condition or injury that could deteriorate and prevent her from ever walking again. That diagnosis was simply unacceptable to her. She had three daughters and two sons, all less than two years apart, with whom she had to keep up. Instead she ignored the pain and struggled to maintain the ability to walk under her own power. I never once knew her to mention the pain she continued to endure.

I met her when my friend Tony started dating Becky, the wildest of her children, and I dated Becky's best friend. It was while Tony and I waited for our dates to get ready, that I learned what an amazing conversationalist Mrs. Healan was. She would talk of her family and friends, of movies and novels. Pleasant stories that had no impact on my life or the world, and yet they were irresistibly soothing and peaceful. Meanwhile, with five rambunctious kids and their friends, hers was the house on the street where everything happened. It was a tumultuous environment of laughter one moment and tears the next as young personali-

ties came together then clashed. Nothing ever seemed to rattle Mrs. Healan, she was always calm and relaxed.

Tony and Becky didn't last very long, but I refused to give up those wonderful conversations and started showing up just to hang out. Over the years, I realized that whenever my own life got a little stressed, I was drawn to the Healan household. Once there I would just sit and listen to Mrs. Healan's stories and absorb her serene energy. I was rejuvenated by her presence.

I never planned any of those visits. I would just start to feel the need, and before I knew it, was in the car driving. Those visits continued for years. Eventually the cumulative responsibilities of work, marriage and children made my life too busy for the simple pleasure of spending an afternoon with Mrs. Healan.

A few years ago she died of lung cancer. Frances was never a smoker, but a critical spot on her lung was missed on a routine chest x-ray. Her oncologist said that if he'd seen the x-ray when it was taken he could have saved her life. Despite that Frances Healan was never bitter.

Even though I had not seen her in years, her children called me to visit on her last day. When I arrived, her daughter Judy said, "Look Mama, it's Bobby Wilson." Mrs. Healan raised her head and said, "Bobby Wilson! Who's dying?" We all laughed. That moment sums up her life for me. Facing death she maintained her sense of humor. She was quite simply the coolest person I've ever known.

--
Robert Evans Wilson, Jr. is a motivational speaker and humorist. He works with companies that want to be more competitive and with people who want to think like innovators. For more information on Robert's programs please visit www.jumpstartyourmeeting.com.

ACS OFFERS SPECIAL BENEFITS FOR UNEMPLOYED MEMBERS

During these tough economic times it's more important than ever to belong to the American Chemical Society. Unemployed members can tap into a host of valuable benefits and services that help them get back in the workforce. And, members in good standing may qualify for an **unemployed member dues waiver**, allowing them to renew their memberships and keep their member benefits at **no cost**. Contact ACS at service@acs.org, 800-333-9511 or 614-447-3671 for complete details.

DEATH NOTICES

Roy H. Bible (1926 – 2010)

Roy Bible passed away April 19, in Rochester, Minnesota where he and his wife Harriet had moved to be near their son, Dr. Keith Bible, who is on the staff of Mayo Clinic. They moved to Rochester after Roy suffered an injury from a fall. All of us remember Roy throughout his long service as a member of the section and as a distinguished chemist at G.D. Searle & Co. Roy was at Searle for more than fifty years and never retired. He left only when the company was acquired by Pfizer in 2003 and the Searle Laboratories in Skokie were shut down. Roy worked over 50 years for Searle Labs as a professional chemist, finally ending his career as a Sr. Research Fellow when Searle was sold and closed.

Roy received his Ph.D. from the University of Illinois at Urbana-Champaign, and did his undergraduate work at Virginia Tech, the University of Maine, and Virginia Military Institute.

He served in many capacities for the American Chemical Society. He was a councilor for more than 40 years; joining the council in 1964 and serving until he was injured and could no longer travel to national meetings. During this time, he served for full term-periods of 6 years each on all of the elected-council committees, as well as the Committee on Economic Status, Publications, James Bryant Conant Award Selection Committee, and many others.

He was very active in our Chicago Section as shown by the long list of offices and responsibilities that are listed as part of his local section resume. For example, he served as Program Chair 1986-87; Great Lakes Regional Meeting Chair 1976; Section Chair 1967-68; Chair-Elect 1966-67; Treasurer 1964-66; Policy 1963-65, Chair 1963-64; Board Director 1962-64, 1976-78; Endowment 1959-61, Chair 1960-61; Public Relations 1958, 1961, 1964; Employment 1955-56; Membership Affairs 1955-67, Chair 1967; Nominating 1953, 1963, 1974, Chair 1960-61; *Chemical Bulletin* 1953-55 and Photographer 1958, 1961, 1964; National Chemical Exposition (NCE) Board of Trustees 1970-78, Vice President 1970-76, President 1976-78; NCE General Chair 1968, 1970, 1973, 1975, 1977; NCE Chair Photographer 1958, 1961, 1964.

It is of particular interest to mention his role as chair of the National Chemical Exposition. The NCE was run out of the section office by Ron Sykstus. The

office had three – full time employees and several part-timers at that time. Roy, as NCE Chair, led the Section's effort in planning and managing the exposition at National Meetings until the Society took over all expositions from local sections. The exposition in 1977, chaired and managed by Roy, was the last time a local section had this responsibility.

I was fortunate to attend some of Roy's early lectures on NMR. Roy was a pioneer in teaching this new tool to organic chemists during the period when it was just being introduced for the characterization of organic compounds. His lectures were straightforward and elegant. Roy continued to teach NMR until he retired. He became a lecturer for ACS, traveling over the country to teach classes, for more than thirty years, as well as presenting classes at ACS meetings, both National and Regional.

Roy never gave up on the local section and the last time I saw him and Harriet was at a local section meeting. He was always cordial and you always got the feeling that he was glad to see you whenever he met you; ready to join in and share with you some science or whatever was currently taking place that was of interest and appropriate. He gave great service to the section and the society. For that, we honor him, thank him, and remember him.

JIM SHOFFNER

Hugh "Jack" O'Neill (1928-2010)

Beloved husband of section member Gayle O'Neill, passed away April 16. Jack was a Navy veteran and a retired chemist from IIT Research Institute and Argonne National Laboratory. He had been a strong supporter of the Chicago Section.

Bill Northup (1930-2010)

Beloved husband of section Board member Sharon Northup and friend to many Chicago Section members, passed away April 24.

SCIENCE HISTORY TOUR ITALY - SEPT/OCT 2010

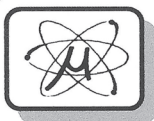
We are going Italy in the fall when it is cooler and less humid. Our tentative plan is to begin in Como on Wednesday September 29, then travel for two weeks towards Rome, where we will end the trip on Wednesday October 13. To date, itinerary and price are not available but, we will probably visit Como to see Volta; Vicenza (with a day trip to Venice) to see some of Palladio's architecture; Bologna; Florence, for the superb Science Museum and Galileo's places; Urbino; and Rome for visits to the classical sites and some interesting science places. As usual, we will see museums, art galleries, sites of special interest in science and possibly Mount Vesuvius.

Many additions to this outline itinerary that will be announced later Included in the trip cost will be: all land transportation, hotel accommodation with private bathrooms, all breakfasts and at least (on average) one other meal per day. Also included are admissions to museums, lecture fees, and many incidentals. Not included are: airfare to and from Europe, the cost of getting from the airport to Como and from your last destination to your home-bound flight, and meals on your own during free time. We are a not for profit and people have said over the years we are an "excellent value" compared to other programs.

For further information or sign-up materials once they are available, E-mail me at ytwomey@mindspring.com or ytwomey@fnal.gov or Lee at Lmarek@aol.com or Lmarek2@uic.edu

For information about previous trips, see Lee's webpage at <http://www.chem.uic.edu/marek/> or tour member John Oliver's great pictures from previous tours at <http://community.webshots.com/user/oliverjcomo>

YVONNE TWOMEY
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REPORT OF COUNCIL MEETING HELD IN SAN FRANCISCO

The 239th National Meeting of the ACS was held in San Francisco, CA from March 21–25, 2010. The theme of this meeting was "Chemistry for a Sustainable World." The Chicago section was represented by twelve councilors: Cherlyn Bradley, Charles Cannon, Mark Cesa, David Crumrine, Ken Fivizzani, Inessa (Gorelik) Miller, Herb Golinkin, Russell Johnson, Fran Kravitz, Milt Levenberg, Barbara Moriarty and Susan Shih.

Finances: The Committee on Budget and Finance reported that, in spite of the economic challenges faced in 2009, the Society's operating performance held up well. The Society's total 2009 revenue (\$460 million) was up 1% from 2008, but fell short of the 2009 approved budget by \$19.5 million or 4.1%. Fortunately, the revenue shortfall was fully anticipated in early 2009. Contingency planning actions and cost containment initiatives were implemented across the Society, resulting in expense savings totaling \$22.5 million. Significant reductions were realized in salaries and fringe benefits, and in discretionary accounts such as travel, training, and professional services. As a result, the Society's Net Return from Operations was \$13.7 million, or \$3.0 million greater than anticipated in the 2009 Approved Budget. The financial outlook for 2010 is better, and ACS management expects the Society to meet the 2010 approved budget.

The Council voted to set dues for 2009 at the fully escalated rate of \$146, using a formula that accounts for inflation.

Governance: The Council selected Luis A. Echegoyen and Bassam Z. Shakhshiri as candidates for 2011 President-Elect. These two candidates will stand for election in the Fall National Election.

Meetings and Expositions: As of March 24, 2010, the ACS spring national meeting had attracted 18,076 registrants as follows: Regular attendees 9,715; Students 5,705; Exhibitors 1,219; Exposition only 923; and Guests 514. This meeting's attendance was one of the top five for ACS meetings.

Membership: At the close of 2009, Society membership totaled 161,783, a 5% increase over the end of 2008. This increase includes the transition of 6,658 former Student Affiliates to the new student member category in June 2009 and the recruitment of 6,341 new student member undergraduates.

Committee on Economic and Professional Affairs: The career fair at the meeting had 1018 job seekers, 40 employers and 116 jobs posted.

Petitions: The Council voted to approve the Petition on Admissions Committee, which removes the Admission Committee from the Bylaws and transfers its functions to the Council Committee on Membership Affairs.

A petition to amend the Constitution to emphasize that candidates selected by the petition process will have no further screening was not approved by the Council. In addition, a petition to shorten certain national ACS election timelines was also not approved by Council.

If you have any questions and/or comments about the above actions, please contact me or one of your other councilors. You may contact me by email (bmoriarty@nalco.com).

BARBARA MORIARTY

EPA OPENS ACCESS TO CHEMICAL INFORMATION

Searchable database on chemical hazard, exposure and toxicity data now available

The U.S. Environmental Protection Agency (EPA) is making it easier to find chemical information online. EPA is releasing a database, called ToxRefDB, which allows scientists and the interested public to search and download thousands of toxicity testing results on hundreds of chemicals. ToxRefDB contains 30 years and \$2 billion of testing results.

"Tens of thousands of chemicals are in commerce and current chemical testing is expensive and time consuming. Results from chemical testing are scattered throughout different sources," said Dr. Robert Kavlock, director of EPA's National Center for Computational Toxicology. "ToxRefDB allows the public to search, find and compare available studies about chemical toxicity and potential health effects."

ToxRefDB provides detailed chemical toxicity data in an accessible format. It is a part of ACToR (Aggregated Computational Toxicology Resource), an online data warehouse that collects data from about 500 public sources on tens of thousands of environmentally relevant chemicals, including several hundred in ToxRefDB. Those interested in chemical toxicity can query a specific chemical and find all available public hazard, exposure, and risk-assessment data, as well as previously unpublished studies related to cancer, reproductive, and developmental toxicity.

ToxRefDB connects to an EPA chemical screening tool called ToxCast. ToxCast is a multi-year, multi-million dollar effort that uses advanced science tools to help understand biological processes impacted by chemicals that may lead to adverse health effects. ToxCast currently includes 500 fast, automated chemical screening tests that have assessed over 300 environmental chemicals. ToxRefDB, along with ACToR, allows users to take advantage of this linkage to find and download these results.

ToxRefDB contains toxicity information that forms the basis for pesticide risk assessments when combined with other sources of information, such as those on exposure and metabolism.

More information on the database: <http://actor.epa.gov/toxrefdb>

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NEXT ISSUE:
September Meeting's
Education Night

JUNE HISTORICAL EVENTS IN CHEMISTRY

- June 2, 1787** Nils G. Sefstrom, one of the discoverers of vanadium in 1830, was born.
- June 3, 1873** Otto Loewi, a researcher on chemical transmission of nerve cells, was born. He shared the Nobel Prize in Physiology or Medicine (1936) with Henry H. Dale for their discoveries relating to chemical transmission of nerve impulses.
- June 5, 1760** Johan Gadolin, who discovered the element yttrium in 1794, was born.
- June 7, 1896** Robert Sanderson Milliken, a researcher in molecular orbital and electronic structure of molecules, was born. In 1966, he received the Nobel Prize in Chemistry for his fundamental work concerning chemical bonds and the electronic structure of molecules by the molecular orbital method.
- June 10, 1848** Johann C. W. F. Tiemann, who elucidated the structure of the interrelated terpenes, the Reimer-Tiemann reaction in 1876 and the Tiemann rearrangement of amide oxides in 1891, was born.
- June 12, 1899** Fritz A. Lipmann, who discovered coenzyme A and the central role of ATP in metabolism, was born. He received the Nobel Prize in Physiology or Medicine in 1953 for his discovery of co-enzyme A and its importance for intermediary metabolism.
- June 12, 1890** Wallace R. Brode, an authority on chemical spectroscopy, was born. He served as president of ACS.
- June 15, 1885** Auer von Welsbach announced separation of didymium into Nd and Pr.
- June 16, 1880** Otto Eisenschiml, who devised a means to determine whether vegetable oils were contaminated with fish oils, was born. He was an American Civil War historian.
- June 18, 1918** Jerome Karle, who developed methods for determining crystal structures with x-rays; shared the Nobel Prize in Chemistry with Herbert A. Hauptman in 1985 for their outstanding achievements in the development of direct methods for the determination of crystal structures, was born.
- June 19, 1910** Paul J. Flory, a researcher in physical chemistry of macromolecules, was born. In 1974, he was awarded the Nobel Prize in Chemistry for his fundamental achievements, both theoretical and experimental, in the physical chemistry of the macromolecules.
- June 24, 1835** Johannes Wislicenus who proposed geometric isomers and synthesized acetoacetic esters, was born.
- June 26, 1756** Jean A. C. Chaptal, who introduced the name 'nitrogen' and studied viticulture and dyeing, was born.
- June 28, 1927** F. Sherwood Rowland, a researcher in atmospheric chemistry, was born. He shared the Nobel Prize in Chemistry in 1995 with Paul J. Crutzen and Mario J. Molina for their work in atmospheric chemistry, particularly concerning the formation and decomposition of ozone in the atmosphere.

LEOPOLD MAY
Professor Emeritus of Chemistry
The Catholic University of America
Washington, DC

Additional historical events can be found at Dr. May's website, <http://faculty.cua.edu/may/Chemistrycalendar.htm> or *This Week in Chemical History* on the ACS website, <http://www.acs.org/whatischemistry>

We have our own **BLOG** for Section members to communicate on topics of general interest. Find it at <http://chicagoacs.blogspot.com/>. If you need a password to log in, send an e-mail to Amber Arzadon, akarzadon@gmail.com, or Milt Levenberg, milspec@comcast.net, for the password. If you have a Google account, that login will probably work fine..

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Micron Inc.	9	302-998-1184	www.micronanalytical.com
GVA Chicago	10	847-768-6547	gwernisch@gvachgo.com

June 10: Chicago Section Board meeting, 1400 Renaissance Dr., Suite 312, Park Ridge, IL 60068; 847-391-9091.

June 14-July 30: Summer Science Camps at the SciTech Hands-on Museum in downtown Aurora. Camp schedule and descriptions are at www.scitechmuseum.org. For more information and to sign up, call Joyce at 630-859-3434, ext. 214. The SciTech Museum is located at 18 West Benton St., Aurora, IL 60506.

June 17: Chicago Section ACS Distinguished Service Award and 50 & 60-year member awards presentations. The speaker is Joe Alper. **See details in this issue.**

June 21-23: 14th Annual Green Chemistry & Engineering Conference will be held in Washington, D.C. For more information about registration, housing, and conference events, visit www.gcande.org, or contact the ACS Green Chemistry Institute at gci@acs.org or (202) 872-6102.

August 5: Chicago Section Board meeting, 1400 Renaissance Dr., Suite 312, Park Ridge, IL 60068; 847-391-9091.

August 13-22: **ACS Illinois Sections' cooperative tent project at the Illinois State Fair in Springfield.** For further information on this fun and worthwhile outreach activity, contact the section office at (847) 391-9091. Also, visit website <http://chicago.acs.net/statefair/index.html>

August 22-26: ACS National Meeting in Boston, MA.

September 24: Chicago Section ACS Dinner Meeting. This will be Education Night at Loyola University.

September 29 - October 13: Science History Tour of Italy: From Como to Rome, with stops in between. For information or sign-up materials, contact ytwomey@mindspring.com or Lee Marek at Lmarek@aol.com or lmarek2@uic.edu.

October 22: Basolo Medal Award Lecture, Dinner, and Presentation; joint Chicago Section ACS's meeting with Northwestern University's Department of Chemistry. The Basolo Medal Awardee is Roald Hoffman.

October 23: Chemistry Day at Loyola University.

SPONSORS NEEDED-- ILLINOIS STATE FAIR PROJECT

The Chicago Section, along with the other Illinois Sections of the ACS, is again planning to have an exhibitor's tent at the Illinois State Fair August 13-22. **Last year, over 11,500 people visited our tent.** The tent provides outreach to the public on chemistry through demos, hands-on activities, literature, and give-aways. **We are looking for individuals and companies to help sponsor our tent.** In return for financial contributions we will display your company's name at the front of the tent as a sponsor and on CDs with information given to over 350 teachers throughout the state of Illinois. **This is a great way to get your company recognized in the public and to promote chemistry.** If you are interested in making a donation to help keep this worthwhile public outreach project going strong, please call the Section office at (847) 391-9091. Thank You!

FRAN KRAVITZ
CHERLYN BRADLEY
Co-Chairs, Ad-Hoc Committee of the Illinois Sections of the ACS Cooperative State Fair Project

CONTACT THE CHAIR

Do you have any questions, suggestions, ideas, gripes, or complaints relating to the Chicago Section? Do you want to volunteer, help out, or lend a hand with Section programs or activities? Then contact your Chair. Simply log onto the Section's Web Page at <http://chicagoacs.org>, find the green button "Contact the Chair", and send me an e-mail. If I can answer your query I will respond personally. If I can't I will forward your e-mail to someone who can, or try to provide you with a contact -- all in a timely manner. The Section belongs to you and the other 4,600 ACS members who reside in the Chicago area (northeast Illinois and northwest Indiana). Only you can make it work for you by being involved. But you can also make it fail by not being involved. I look forward to hearing from you.

KEN FIVIZZANI
CHICAGO SECTION CHAIR

PROJECT SEED SUMMER RESEARCH INTERNSHIP PROGRAM FOR ECONOMICALLY DISADVANTAGED HIGH SCHOOL STUDENTS

The ACS Project SEED summer research program opens new doors for economically disadvantaged students to experience what it's like to be a chemist. Students entering their junior or senior year in high school are given a rare chance to work alongside scientist-mentors on research projects in industrial, academic, and federal laboratories, discovering new career paths as they approach critical turning points in their lives. With guidance from mentors, they gain confidence, a solid sense of direction, and the ability to realize their own potential. For more information, visit www.acs.org/education and the Project SEED link under high school programs, or contact **Tracey Braun**, Project SEED coordinator for the Chicago Section at tracey.braun@abbott.com.

Whether you spend your summer traveling, going to school, working, or playing....Have a wonderful summer and see you in the Fall with the September issue!----Editorial Staff