CINTACS



Newsletter of the Cincinnati Section of the American Chemical Society

December, 2006 Vol. 44, No. 3

Meeting Calendar

Dec. 14 Dr. O'Dell Owens, Hamilton Country Coroner Xavier University Joint with NOBBChE and The Society for Applied Spectroscopy Jan. 18 Dr. Glenn Storrs

Cincinnati Museum Center

Feb. 15 Chemist of the Year Givaudan Flavors

Mar. 14 Shirley Corriber Beckett Ridge CC (joint w. Dayton Section)

Apr. 19 M. Sarquis/L. Hogue Teachers Night Northern Kentucky U.

May. 23 Party Night

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December Monthly Meeting

"The New Coroner's Office; We Speak for the Dead to Educate the Living"

Dr. O'dell Owens **Hamilton County Coroner**



Abstract

The presentation will define the new role of the Coroner's office. Traditionally the Coroner's office has had a very limited public health role and no emphasis on impacting behavior. The Hamilton County Coroner's office, as of January 3, 2005, strives to demystify the Coroner's office, develop a public health flare and

(Continued on page 6)

About the Speaker

Dr. O'dell Moreno Owens is a native Cincinnatian. Following graduation from Woodward High School, he earned a Bachelor of Arts degree from Antioch College. Dr. Owens spent his third year of college at Makerere University in Kampala, Uganda, as a foreign exchange student.

Dr. Owens attended Yale University Medical School where he earned his M.D. degree. In his spare time as a medical student he served as president of his medical school class, captain of the medical school basketball team, he served as a member of the Board of Trustees of Antioch College and earned a masters degree in public health from Yale University. He continued his studies at Yale as an intern, resident and chief resident in obstetrics and gynecology. He was awarded the Irving Friedman Award as the Outstanding Chief Resident in the department of OB/GYN at Yale

(Continued on page 4)

THE CINTACS NEWSLETTER

Vol. 44, No. 3 December, 2006

Editor.....Bruce S. Ault Advertising....Ed Hunter

CINTACS is published eight times a year (September through May) by the Cincinnati Section of the American Chemical Society. The submission deadline will be approximately November 28 for the January, 2007 issue. Electronic submission is strongly preferred. All materials should be sent to:

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From the Chair

Our December meeting at Xavier promises to be inspirational as well as educational. Our after dinner speaker, Dr. O'Dell Owens, Hamilton County Coroner plans to discuss topics of general interest to a mixed audience; a good reason to bring along a non-chemist spouse or friend. I've met Dr. Owens, and can tell you he's a person you'll want to hear. On the technical side our Analytical Discussion Group features Dr. Robert Sanders from P&G. Bob, a 30 year P&G veteran, will describe the use of mass spectrometry to solve practical problems encountered with food products and regulatory issues. I thank XU and especially Dr. Dan McLaughlin for sponsoring this meeting and assisting with venue arrangements.

September and October flowed with chemical events almost too numerous to recall here in detail. Our Picnic kickoff in September was a great success thanks to organizer Joy Henderson and meeting sponsor, Dr. Robert Laughlin. We had three kinds of beer for the price of one! Games, puzzles, great band music and chem. demos were enjoyed by all. September also brought national recognition to our Section in the form of two ChemLuminary Awards for past activities (see details in this issue of CINTACS).

In October the Oesper Banquet/Poster Session and Symposium were a wonderful tribute to Award winner Prof. Richard Zare of Stanford. Special thanks to Siva Muthukrishnan for organizing the posters, Kim Carey for managing meeting logistics and to UC for cosponsoring the weekend events.

NCW, yet bigger and better each year, was adeptly run by Victor Arredondo and his army of wonderful volunteers. There's no better way to preserve our chemical enterprise than by educating and stimulating young people in schools, libraries and museums. What more can I say?

And, Tide detergent, already a Cincinnati icon, is now a documented Chemical Historical Landmark thanks to the efforts of Dianne Schmidt, Ray D'Alonzo and Joel Shulman. The month of October marked the 60th year since the introduction of Tide by P&G.

Finally, thinking ahead to the New Year 2007. Our January meeting at the Cincinnati Museum Center will feature another eclectic speaker, Dr. Glenn Storrs, Asst. Vice President for Natural History and Science and Curator of Vertebrate Paleontology at the Museum. Also, James Mack's Organic Discussion Group will host Dr. Kevin Kittridge from MUO to talk about his current research at Miami.

So, mark your calendars now and cross whatever you cross and hope for no snow!

George Rizzi, Chair

December Monthly Meeting Thursday. December 14, 2006 Conaton Board Room, Room 201 Schmidt Hall Xavier University Joint meeting with NOBCChE and the Society for Applied Spectroscopy

Featured Speaker Dr. O'dell Owens

Program 5:30 – 6:30	Board Meeting – President's Conference Room, Mary V. Sullivan Room, Second Floor Schmidt Hall Analytical Chemistry Discussion Group – Logan Hall (Chemistry Building), Room 101
5:30 - 7:00	Registration, Conaton Board Room, 2 nd Floor, Schmidt Hall
6:00 - 7:00	Social (Cash Bar), Conaton Board Room
7:00 – 8:00	Dinner, Conaton Board Room (\$20.00 or \$10.00 for students, emeritus, unemployed and new members) Menu: Pan Seared Chicken Breast with Hunter Sauce, Garden Greens Salad with Italian Vinaigrette, Wild Rice Pilaf, Fresh Seasonal Vegetable Medley, Fresh Baked Bread, Chocolate Mousse with Raspberry Sauce, Whipped Cream and Chocolate Shavings, Coffee, Tea. Vegetarian Entrée Available upon request when making reserve tions.
8:00 - 9:00	Speaker, Dr. O'Dell Owens

Directions:

The Xavier University Conaton Presidential Board Room is located on the second floor of Schmidt Hall. Parking is provided free with the enclosed Parking Pass (see page 4, bottom) at the F&W Center on Dana Avenue across the street from Schmidt Hall.

- **I-71**: Exit at Dana Avenue exit. Proceed west on Dana Avenue past Ledgewood Drive. As the road begins a slight turn, the F&W parking area will be on the left before you reach Victory Parkway.
- **I-75**: Exit at Mitchell Avenue. Proceed east on Mitchell Avenue, crossing over Reading Road. Continue to Dana Avenue and turn left. Just after crossing Victory Parkway, the entrance to F&W parking area will be on the right.
- **Rt. 562**: Exit the Norwood Lateral at Reading Road. Continue in the left lane of Reading Road to Victory Parkway. Merge left onto Victory Parkway at the light. Continue to Dana Avenue. Turn left onto Dana Avenue. The entrance to F&W parking area will be on the right in about half a block.

See bottom of page 4 for Parking Pass

(Continued from page 1) Medical School.

Dr. Owens then accepted a combined position at Harvard Medical School. He served as a clinical instructor in the department of OB/GYN at Harvard Medical School, and was a Fellow in reproductive Endocrinology and infertility for two years.

He returned to his native Cincinnati in 1982 to establish the first division of reproductive endocrinology in the department of OB/GYN at the University of Cincinnati Medical Center. During his four years that he served in the medical school, he established an in-vitro fertilization program and achieved Cincinnati's first successful conception and delivery. In November 1988, Dr. Owens announced Cincinnati's first pregnancy from a frozen embryo.

Dr. Owens' other interest, besides infertility, is laser surgery. In 1987, Dr. Owens was asked to participate, at the request of the Chinese Medical Society, in an international symposium and lecture series on laser surgery in China. He was given a certificate of appreciation from the Shanghai Medical Society for these efforts. In July 1990, Dr. Owens was asked by the American Laser Society to join a group of physicians to tour the laser facilities in four major cities in the Soviet Union. In 1992, Dr. Owens was selected by the National Jewish Committee to visit Israel. This trip was part of a national group of Afro-Americans to evaluate the Israeli/Arab conflict firsthand.

During the bicentennial year, the Bicentennial Commission honored Dr. Owens as one of the

Bicentennial's 200 Greater Cincinnatians. This selection was in recognition of community service. In October 1988, Black Enterprise Magazine selected Dr. Owens as one of the top 15 black doctors in America. Dr. Owens has also been appointed an Honorary Kentucky Colonel. He also has been honored with the Tree of Life Award by the American Jewish Committee, the Lincoln Award from the Northern Kentucky University, Honorary Ph.D. from the University of Cincinnati, and was the youngest person inducted into the Ohio Independent College Hall of Excellence.

In 2004, Dr. Owens was elected as Hamilton County's Coroner and he currently holds the position of President and Chairman of the Board for Project GRAD (Graduation Really Achieves Dreams), a collaborative of the Cincinnati Public School system. He is the former President and Chief Executive Officer to RISE Learning Solutions, Inc a national non-profit organization that uses technology to bring world-class training to adults who care for pre-school aged children. ProjectGRAD and RISE are both initiatives of KnowledgeWorks Foundation. Previously, Dr. Owens was Senior Medical Director of United Healthcare of Ohio. Dr. Owens is currently a member of the Board of Directors for US Bank, and the Greater Cincinnati/ Northern Kentucky Airport. He is the former chairman of the Cincinnati Public Schools Superintendent Advisory Committee the Cincinnati Public Schools, the Cincinnati Board of Health and University of Cincinnati Board of Trustees. Dr. Owens is actively involved in the Cincinnati community working with the disadvantaged youth to motivate them to reach their full potential. He has also appeared on many local and national television shows. Dr. Owens would like his epitaph to read, "He made a difference."

XAVIER UNIVERSITY

Conaton Presidential Board Room Second floor Schmidt Hall

Temporary Reserved Parking Permit

Valid for American Chemical Society Meeting
F&W PARKING AREA
December 14, 2006
CARD MUST BE DISPLAYED ON PASSENGER SIDE OF DASHBOARD

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Analytical Discussion Group

Mass Spectrometry in Aroma, Flavor, and Taste Research and Development Robert A. Sanders The Procter and Gamble Company

Abstract



Mass spectrometry has been a key contributor to the solution of food and beverage flavor problems at P&G for the last 30 years. GC/MS has been the primary aroma characterization tool in conjunction with the "follow your nose" approach to sorting through the complex array of innocuous components - in order to find those trace components responsible for product flavor/aroma. GC olfactometry (GC/O) in parallel with GC/MS has uncovered the causes of medicinal flavors in cake mixes and juice beverages, petrochemical flavor in ready-to-serve cookies, and plastic flavor in corn chips. A recipe for addressing the most challenging of these problems will be presented and demonstrated - including the incorporation of multidimensional GC and high performance MS capabilities into the traditional approach.

Application of mass spectrometry to the characterization of non-volatile flavor components is a much more recent capability which has benefited from LC/MS and chemometric advances. The approach incorporates ultra performance liquid chromatorgraphy/MS (UPLC/MS), high resolution NMR, and chemometrics, including a new technique, called heterospectroscopy. Heterospectroscopy permits utilization of both NMR and MS data to identify individual compounds in complex mixtures, even though no isolation of individual compo-

nents is carried out prior to NMR analysis.

About the Discussion Group leader

Dr. Robert A. Sanders is a physical chemist specializing in applied mass spectrometry. Bob recently celebrated his 30th anniversary at P&G where he has applied mass spec to the solution of (primarily) food and beverage problems. His educational background includes a B.A. in chemistry from Vanderbilt U., M.S. and PhD. degrees from the U. of Florida and a post-doctoral fellowship at Harvard. During the latter stint he studied gas phase molecular dynamics in molecular beams with Nobel laureate Dudley Herschbach. Bob's Group at P&G's Winton Hill Business Center has applied mass spec to solve difficult aroma/flavor problems and food regulatory issues. His success in addressing many problems led to his receiving many acknowledgements at P&G including the Technical Mastery Award from Food Product Development in 1988, the Analytical Excellence Award in 1993 and the Career Achievement Award in 2003. He was appointed as a Research Fellow at P&G in 1993. He has been a member of the American Society for Mass Spectrometry for 30 years and was a former tour speaker of the Society for Applied Spectroscopy. Bob has been active in Cincinnati ACS, participating in arranging local short courses and symposia.

Mailing Address Updates

The CINTACS editor from time to time receives requests from Section members to change their mailing address for CINTACS. Unfortunately, we cannot do this locally. The mailing address information for CINTACS goes directly to our printers from ACS national, after which mailing labels are prepared. To change your address for CINTACS, you need to send ACS national your updated contact information. Fortunately, this is very easy to do. ACS members can update address and member information conveniently at:

http://acswebapplications.acs.org/applications/addrupdate/addrchange.cfm

Changes made at this site will affect all of your ACS official mailings (dues notices and so forth, as well as CINTACS). If you need additional information, contact Bruce Ault at bruce.ault@uc.edu or 513-556-9238.

(Continued from page 1)

initiate programs and relationships to change public behavior. Specifically, Dr. Owens will share the Coroner's office work on violence, roll-over baby deaths, and public awareness surrounding suicide. Dr. Owens will share the relationship between education and violence and the importance for successful adults to give back to their community.

Chemical Educators Group

Come POGIL with Us!

On Wednesday, January 24th, the chemical educators' discussion group will meet in Julie Hust's classroom at St. Xavier High School to "POGIL". Julie got very excited about Process Oriented Guided Inquiry Learning at the BCCE held at Purdue University last summer. She has written some lessons in the POGIL style for her first year chemistry classes. POGIL is a technique that simultaneously teaches content and key process skills. Students are arranged in small, self-managed teams to collaborate on a topic and support one another's critical thinking. You can learn more about POGIL at www.pogil.org and by attending the January meeting. Linda Ford and Paula Butler have used published POGIL materials with their AP chemistry classes. Please join us from 7 to 8:30 PM to try out POGIL activities presented by these 3 teachers. Directions to St. X (located at 600 North Bend Rd.) from any direction can be found at the school's website (www.stxavier.org). Click on "About Us". Once you arrive at the school, enter through the main entrance and go up to the third floor. Take 2 immediate rights and follow the hallway to room 3568. We begin at 6:30 PM with announcements, social time, and light refreshments.

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CAREER SERVICES

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FIND OUT WHAT ACS CAN DO FOR YOU!

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Coming to Cincinnati in Spring 2007...

Experimental Design for Productivity and Quality in R&D

The acclaimed course that teaches the proper way to design experiments for improved research quality

Who Should Attend

Chemical scientists, engineers, R&D managers, and others who need to learn proven methods or designing quality into products and processes. The course assumes no previous knowledge of statistics and is aimed at both beginning and experienced R&D workers. Each participant should bring a hand-held calculator to the course.

Key Topics You'll Learn About

- Basic concepts of experimental design.
- Strengths and limitations of popular experimental design techniques.
- Applicability of common designs.
- Determining which experimental designs are appropriate or inappropriate for particular situations.

How You'll Benefit t from This Course

- Get solutions to your experimental design problems from seasoned experts.
- Learn how to significantly improve R&D quality and efficiency.
- Become more efficient in performing experiments by learning how to save resources by eliminating unnecessary experimentation.
- Learn how to match appropriate experimental designs to real-world problems.
- Gain an improved understanding of statistical process control and statistical quality control.
- Understand statistical terminology and be able to communicate more easily with statisticians.
- Develop a firm foundation for understanding advanced design techniques.
- Receive a brief introduction to Taguchi methods.
- Learn about commercial software packages for

data treatment.

■ Improve your skills in communicating research strategies to co-workers.

About the Instructors

Stanley N. Deming is Professor Emeritus of Chemistry at the University of Houston, Texas. He is also the President of Statistical Designs. Dr. Deming is the author or co-author of more than 90 publications in the areas of analytical chemistry and related disciplines.

Stephen L. Morgan is Professor of Chemistry at the University of South Carolina. His current research interests include optimization and experimental design in chemistry, pattern recognition

on chemical information, and data preprocessing strategies. Dr. Morgan is the author of more than 100 publications in the field of analytical chemistry and analytical biochemistry.

Program Agenda

Check-in will begin at 8:10 a.m. the first day. The course will be taught from 8:30 a.m. to 5:00 p.m. each day. If you have technical questions about the course, contact Dr. Deming at (713) 947-1551 or at standem-ing@statisticaldesigns.com. The course consists of lectures on the following modules, interspersed with problem sets to enhance your learning.

Date and Site

April or May, 2007, actual dates TBD. This is a 3-day course.

Fee approximately 50% off of National ACS prices

ACS Members: \$1,345 ~\$675 Nonmembers: \$1,445 ~\$775

EDUCATIONAL GRANTS

The Cincinnati Section of the American Chemical Society has funds available for the purpose of improving chemical education in the geographic area served by the local section (OH: Adams, Brown, Butler, Clermont, Clinton, Hamilton, Highland and Warren counties; KY: Boone, Campbell, and Kenton counties; IN: Dearborn and Ohio counties). The Educational Grants Committee was established to make recommendations to the Cincinnati Section Board of Directors for the disbursement of these funds.

The committee hereby invites applications for these grants from all members (teachers, students, industrial chemists, etc.) of the chemical community in the service area of the section. Applications will be accepted and reviewed one time during the year according to the following schedule.

Review MonthApplication DeadlineNotification DateAprilMarch 2, 2007April 6, 2007

Grants will be awarded for such activities as attending educational workshops, participation in summer research programs, innovative education programs, instructional equipment, etc. Proposals, which incorporate the use of funds from other agencies or corporations, including the agency, or corporation, with which the applicant is affiliated, will be given preference in the selection process. Funds will generally not be awarded for the purchase of common supplies or chemicals. However, any application, which meets the basic criteria for which the fund was created, will be given serious consideration. Grants will be, in most cases, limited to \$1,500; exceptional proposals will be considered for larger amounts. No school or organization will be allowed to receive more than one (1) award per calendar year. Within one year from the time the grant is awarded, a report describing the used of the funds and the impact that the project had is expected to have on improving chemical education is to be forwarded to the committee chairperson.

For further information or an application, please contact:

Brian Berning Seven Hills School 5400 Red Bank Road Cincinnati, Ohio 45227 Phone: 513-272-5360

FAX: 513-271-2471

E-mail: Brian.Berning@7hills.org



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office: 513.624.7373 fax: 513.624.7372 voice mail: 800.431.4132 x.6136 customer service: 800.932.5000 email: tim meirose@vwr.com

The Cincinnati Section of The American Chemical Society EDUCATIONAL GRANT APPLICATION

		DATE:	
Name:			
Organization:			
Department:			
		Zip Code:	_
Name and Title	of Official Certifying Or	rganizational Compliance with the Grant:	
Signature			_
Name/Title (prin	nt or type)		
ACS Member of	r Affiliate?	-	
How many indiv	viduals will benefit from	this grant if your proposal is funded?	
		nprove chemical education in the area served l	by the Cincinnati Section

n of the American Chemical Society.

Grant Proposal: The proposal should contain 300-500 words, double-spaced on official letterhead. It should describe the objective(s) of the project, how the project will be carried out, how the project would improve chemical education, how the program fits into the education program (if the applicant is from a school) and who would benefit. Also, the proposal should contain a detailed budget that outlines expenditures, the amount being requested from the Educational Grant and the amount being requested from other sources.

Send five (5) copies of the application and the proposal to:

Brian Berning Phone: 513-272-5360 Seven Hills School FAX: 513-271-2471

5400 Red Bank Road E-mail: Brian.Berning@7hills.org

Cincinnati, Ohio 45227

Reports: Grant recipients are required to submit a report to the Committee within one year from the time of notification of the award. The report will include an outline of how the funds were used, what had been purchased, if anything, with the funds and what benefits have been derived thus far from the use of the funds.

Acknowledgment: It is requested that the major instruments purchased with the use of these funds be tagged with the following acknowledgment: "This equipment was purchased (in part) with an Educational Grant from the Cincinnati Section of the American Chemical Society."

Call for Section Award Nominations

Award Nominations Solicited:

Cincinnati Chemist of the Year: The Section Awards Committee requests nominations for the 2007 Cincinnati Chemist of the Year. This award, given annually since 1950, recognizes professional accomplishments of a member. The 2007 Chemist of the Year will be the featured speaker at the February meeting. Deadline for nominations is December 14, 2006 (the date of the December meeting).

Cincinnati Research Assistant of the Year: The Section Awards Committee requests nominations for the 2007 Cincinnati Research Assistant/ Chemical Technician of the Year. This award, given annually, recognizes job skills, safety, teamwork, leadership, publications and presentations, reliability, communications skills, and additional professional and community activities. A Chemical Technician/Research Assistant is defined as a person whose training includes successful completion of a two year post-high school chemistry curriculum or equivalent work in a Baccalaureate program, or equivalent knowledge gained by experience. The 2007 award will be presented at the February meeting. The winner will be the section's candidate for the National award. Deadline for nominations is December 14, 2006 (the date of the December meeting).

Outstanding Teaching Awards: Do you know a teacher who inspires his/her students? Fills them with a curiosity about the world of science and chemistry? The Cincinnati Section of the American Chemical Society is looking for these people – and honors three each year.

The *High School Chemistry Teacher of the Year* is awarded annually, to recognize accomplishments of those of us who teach chemistry at the secondary school level.

The *Middle School/Junior High School Science Teacher of the Year* is awarded annually to honor science teaching at this level.

The Elementary School Science Teacher of the

Year is awarded for excellence in elementary teaching.

All three awards recognize teaching ability, enthusiasm, mentoring skills, and other leadership activities. Nominees need not be members of the American Chemical Society. Generally speaking, anyone teaching in these capacities within 35 mile radius of downtown Cincinnati is eligible. These awards will be given at the April Meeting. The deadline for teaching award nominations is January 18, 2007 (at the meeting).

For a nomination form contact:

Jim Hershberger Department of Chemistry Miami University Ph 513-529-2441 Fax 513-529-1675 Hershbjw@muohio.edu

Sponsors For Cincinnati Section Meetings 2006-2007 Program Year

We have sponsors for 7 of our 8 meetings, lacking only a sponsor for the May party night. Our Sponsors are as follows:

Sept. Meeting
October Meeting
November Meeting
December Meeting
January Meeting
February Meeting
March Meeting
April Meeting
May Meeting

R. G. Laughlin
University of Cincinnati
No Meeting
Xavier University
Givaudan Flavors
Procter & Gamble Company
Advanced Testing Laboratory
Girindus America, Inc.
Seeking Sponsor

Recall that each sponsor contributes \$1000 cash or cash equivalent to help defray the costs of the sponsored meeting. This is leading to higher meeting attendance, more young people in attendance, and a higher overall meeting quality.

A special note is made of Dr. Laughlin's

(Continued on page 17)

Section Receives Two ChemLuminary Awards

Over the years, our section has been nominated for/received numerous awards for our activities. For 2005, we were ChemLuminary Awards finalists in four categories:

Committee on Local Section Activities -- Outstanding Performance by Local Section Large Size Category Award

Committee on Community Activities -- Most Original Hands-on Activity or Chemical Demonstration Committee on Community Activities - Outstanding Community Involvement in NCW Committee on Chemistry and Public Affairs -- ACS President's Award for Local Section Government Affairs

Award recipients were announced in the 232nd National ACS Meeting in San Francisco; we have received two awards:

Outstanding Community Involvement in NCW ACS President's Award for Local Section Government Affairs

Congratulations and thanks go to Victor Arredondo, NCW/ED Committee Chair and all the volunteers who have participated and Joel Shulman, Government Affairs Committee Chair.

Being a finalist for "Outstanding Performance by Local Section Large Size Category Award" is a big boost for our section, too; it demonsrates that our section consistently has strong programming. Let me give you more information about how the awards process occurs. Every section is required to submit a detailed annual report by the end of February of the following year- you can see our 2005 annual report on our section website. The ACS operates on a yearly calendar (Jan-Dec). Our section is one of 7 sections, out of 189, that operate on an academic calendar (July-Jun). Consequently, every annual report for our section has contributions from two program years and involves two chairs with contributions from officers and many committee chairs. The residing chair at the end of year is responsible for writing the report for that year. As the chair for the 2005-2006 program year, I wrote the 2005 annual report even though Jan-June activities were in chair Phil Christenson's 2004-2005 program year and Sept-Dec activities were in my 2005-2006 program year. As an addition to the annual report, the ACS encourages sections to nominate themselves for ChemLuminary Awards that are offered in many categories. For 2005, our section had self nominations in six categories-picked by the chair and written by the chair with input from committee chairs in those areas. We were finalists in four categories and received two awards. Let's keep up the good work!



ACS Career Book Club

(article reprinted from the quarterly newsletter of the Local Section Acitivities Committee)

ACS is offering interested members an opportunity to expand their horizons in their career development by participating in a book club: read a book, share your thoughts, and discuss it online with other readers. Discussions are led and facilitated by Dorothy Rodmann, an ACS Career Consultant, who responds to posted comments each evening during the first week. You can post your comments on these books anytime on the book club site, http://acsbookclub.wordpress.com/.

The book club premiered June 12 of this year with How Full Is Your Bucket? Positive Strategies for Work and Life by Tom Rath and Donald O. Clifton. A quick read, it focuses on the positives in your interactions with others and how to fill your own and others' invisible buckets with positive input.

In July, the book club covered *First, Break All the Rules.* What the World's Greatest Managers Do Differently by Marcus Buckingham and Curt Coffman. This book is a culmination of more than 80,000 interviews conducted by the Gallup Organization. The authors have analyzed the responses to produce a book on relationships between managers and employees. It gives information on how managers can attract, focus, and keep the most talented employees.

The August read, <u>Now, Discover Your Strengths</u> by Marcus Buckingham and Donald O. Clifton, focuses on enhancing people's strengths rather than eliminating their weaknesses. The authors created a web-based interactive tool, StrengthFinder, to help you discover your own top-five inborn talents. StrengthFinder is accessible with a unique ID number that is given in each book.

On September 11, the book club started reading <u>Whole New Mind</u> by Daniel H. Pink, best-selling author of *Free Agent Nation* (2001). In *Whole New Mind*, Pink contends that in a future age, which he labels as the Conceptual Age, power will shift to right-brain thinkers, the creative and imaginative workers. Certain creative skills, the six "senses"—design, story, symphony, empathy, play,

and meaning—can be cultivated. The author describes these six right-brain-directed aptitudes and how to develop them. After reading the book, you can post your comments on the book club site.

To become part of the club, simply read the book and join the discussion hosted on the <u>book club</u> <u>site</u>

ACS will donate a percentage of all member purchases made via <u>Books-A-Million.com</u> to the <u>ACS Scholars Program</u>, which awards scholarships to underrepresented minority college students with financial need.

Chemical Information Update – Chemistry Central

Edlyn S. Simmons,

Chair, Chemical Information Discussion Group

One of the most successful open access scientific publishers, BioMed Central, has extended its sphere into chemistry with the announcement of a new open access chemistry website, Chemistry Central, www.chemistrycentral.com, and a new journal, Chemistry Central Journal. Publication of the new journal was announced at the Fall 2006 ACS meeting in San Francisco, with the first issue expected to go online early in 2007. The expansion from the biomedical sciences into chemistry is obviously seen by the publishers as the first step into a broader range of open access publications, and the way has been paved by the institution of the Open Access Central website, http://www.openaccesscentral.com/, that includes an as yet unpopulated site for PhysMathCentral.

The Chemistry Central Journal website, www.chemistrycentral.com, is fully developed, with instructions for authors, a list of editorial Board members and a search engine, all just waiting for submissions from chemists in any area of chemistry from anywhere in the world. The journal anticipates that essentially all aspects of publication will be handled electronically. Within each issue of the electronic journal articles will be identified by article numbers rather than page numbers. The journal will be accessed only through the Internet - there will be no

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Footnote:

This year, the Chemical Information Discussion Group is once again offering hints and updates on chemical information resources available to most chemists and techniques for using them. Feedback, contributions, and requests for information you'd like to see in future columns are welcome. If you have any comments, suggestions, or contributions, please email them to simmons.es@pg.com

Why I Became an ACS Volunteer

(article reprinted from the quarterly newsletter of the Local Section Acitivities Committee)

Having never organized any significant event (not even my own wedding), I collaborated with a colleague to organize Chemistry in the Mall for NCW. I admit I found the event to be stressful but I was so overwhelmed by the magnitude of its success—dozens of volunteers (students, chemists, and educators) and THOUSANDS of children, parents, and other adults – that I could feel the excitement and wonder of chemistry and to my amazement the experience was worth more than the investment.

When I attended high school, some of my classmates seemed to be always volunteering in this activity or running for that office. I did not. I was active in athletics, but I didn't become involved in any service or religious organization outside of weekly worship. . . . Fast forward to my first graduate-degree program. . . . I am pursuing a master's degree in science education at Ohio State University with a certification to teach chemistry. One of my chemistry professors invited me to attend the Division of Chemical Education's 10th Biannual Conference for Chemical Education and then strongly encouraged me to join as a student affiliate. It was my first conference, and I found chemistry and chemical education to be exciting; however, I was too busy finishing my degree and raising a family to volunteer. In addition, no one asked me to contribute any of my time, energy, or ideas to ACS. . . . Fast forward to autumn 2002: one of my colleagues, who was the chair-elect for Western Michigan, asked me about my interest in running for the chairelect position. Because I had a tenure-track position. I recognized that professional activities would strengthen my career. So I ran unopposed for the position and won my first elected position for any organization.

As chair-elect, I collaborated with a colleague, a chemist with Prein & Newhoff, in organizing Chemistry in the Mall. Wow! I was overwhelmed by the magnitude of its success. I could feel the excitement and wonder of chemistry! Rockets blasting off! Colors and slime everywhere! Chad

Stoike, an undergraduate student in chemical education at Grand Valley State University, told me that he attended Chemistry in the Mall as an elementary student. I have since organized poster sessions, lectures, and elections; met many fine individuals; and undertaken more mundane tasks, such as preparing budgets and meeting agendas. I admit that I often feel overwhelmed, and once I even came close to quitting the executive committee. However, I remember the excitement in the students' eyes. I remember the teacher in an inner-city school, who needed a chemist to do demonstrations. After I left my tenure-track position, local section chemists helped me in my job search. Indeed, I attribute my local section involvement as an important reason that I secured my current position at Ferris State University. I have also learned that I have a flair for organizing events, communicating with people, and building organizations. I also have fundinners, trips, and other activities have resulted from my participation in a local section! What a person receives from an endeavor depends upon her or his investment.

Francis Burns Councilor, Western Michigan Local Section

(Editor's note to Cincinnati Section Members: consider getting more involved with the activities of your local section—see also article below!)

The ACS Central Regional Meeting

Reminder, CERMACS 2007, the Central Regional Meeting of the American Chemical Society, is coming to Cincinnati May 20-23, 2007! While plans are progressing well, volunteers are needed in all areas, including several committee chairs, committee members for most committees and volunteers as needs arise. Also, consider contributing a talk or poster when the call for papers is issued later this year. Contribute and participate!

See: www.cermacs2007.org for more details, or contact Joe Caruso (joseph.caruso@uc.edu), general chair for the regional meeting.



Caricatures by Jensen

Joseph Priestley

"Gas"

Joseph Priestley (1733-1804). British chemist and Unitarian Minister. Priestley earned his living as a minister and teacher at various dissenting academies. His work in chemistry was done in his spare time and largely during the period when he served as private librarian to Lord Shelburne. It dealt almost exclusively with the use of the pneumatic trough to discover a large number of new "airs" or gases, including nitrogen oxide, nitrogen dioxide, dinitrogen oxide, ammonia, hydrogen chloride, sulfur dioxide and, most famously of all, oxygen (1774). He also investigated the processes of brewing, photosynthesis, respiration, and invented soda water. Priestley was a prolific writer, not only on chemistry, but also on the subjects of theology, history, geography, natural philosophy, and electricity. Due to his liberal political opinions, his home and laboratory were destroyed by a Birmingham mob in 1791, and he spent

his final years in Northumberland Pennsylvania, where he wrote several pamphlets defending the outdated phlogiston theory against Lavoisier's newer oxygen theory of combustion.

Courtesy of Professor William Jensen, Oesper Chair of the History of Chemistry and Chemical Education, University of Cincinnati and MeasureNet Technology Ltd. For more information, e-mail <u>noteablechemists@measurenet-tech.com</u>

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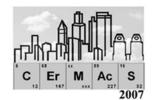


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Hosted by the Cincinnati Section of the ACS

Northern Kentucky Convention Center, Covington, KY

May 20-23, 2007



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- Chemical Education featuring the "Fantastic Four" Science Guys---Bassam Shakhashiri, David Katz, Al Hazari & John Fortman special presentation by Dr. William Jensen, 2005 International Edelstein Awardee
- "Illuminating Molecules" probing photochemistry & photophysics around the region

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Chemistry Merit Badge Councilors Needed

The Dan Beard Council of the Boy Scouts of America will be offering their annual merit badge challenge program on February 3, 17 and March 10, 2007 at Sycamore High School. Once again, the program organizers would like to offer the Chemistry merit badge but qualified councilors are desperately needed. Councilors will need to take approximately 50 to 75 scouts through the merit badge requirements on the mornings of the dates above. If you would like to volunteer for this opportunity and help cultivate an interest in chemistry and science in young men, please contact Ray D'Alonzo at 622-1977.

(Continued from page 10)

sponsorship, his third. Because of CINTACS deadlines and other timing factors surrounding the first meeting, he did not receive the usual amount of recognition for his outstanding generosity. The Section thanks Bob and all these Companies and Universities for their contributions towards a strengthened program and Section.

If you know of anyone interested in sponsoring the May meeting, please contact the undersigned.

Ted J. Logan, Chair Sponsorship Solicitation Committee Tel. 513-385-8856 E-Mail: TJLOGANCIN@AOL.COM



Visit the Section's Home Page

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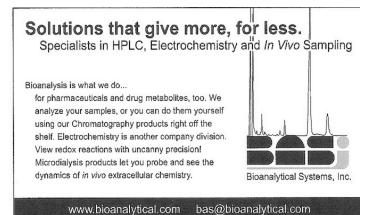


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