

CINTACS



Newsletter of the Cincinnati Section of the American Chemical Society

October, 2006
Vol. 44, No. 2

Meeting Calendar

Oct. 27	Oesper Award Banquet University of Cincinnati
Dec. 14	Dr. O'Dell Owens, Hamilton County Coroner Xavier University Joint with NOBBChE
Jan. 18	Dr. Glenn Storrs Cincinnati Museum Center
Feb. 15	Chemist of the Year Givaudan Flavors
Mar. 14	Shirley Corriher 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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The 2006 Oesper Banquet and October Monthly Meeting

Friday, Oct. 27, 2006

co-sponsored by the
Department of Chemistry, University of Cincinnati
the Great Hall, Tangeman University Center
(note change of location relative to past years)

honoring

Professor Richard N. Zare
Stanford University

with featured after-dinner speaker

Dennis Jacobs, Vice President & Associate Provost
University of Notre Dame

*"The iLife of Prof. Zare: Inquiry, Imagination, Insight
and Ingenuity"*

(see abstract on page 4)

About the Awardee

Professor Richard N. Zare is renowned for his research in the area of laser chemistry, resulting in a greater understanding of chemical reactions at the molecular level. By experimental and theoretical studies he has made seminal contributions to our knowledge of molecular collision processes and contributed very signifi-

(Continued on page 4)

About the Speaker

Dennis C. Jacobs earned B.S. degrees in Chemistry and Physics from the University of California at Irvine and a Ph.D. in Physical Chemistry from Stanford University. Shortly after joining

(Continued on page 4)

THE CINTACS NEWSLETTER**Vol. 44, No. 2 October, 2006**

Editor.....Bruce S. Ault
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From the Chair

The month of October brings with it three exceptional chemical events : National Chemistry Week, the Oesper Symposium and Banquet at UC and the dedication of Procter & Gamble's TIDE as a National Historic Chemical Landmark.

NCW runs from October 16-28 and is our Section's premier community outreach event with this year's theme : "Your Home - It's All Built on Chemistry". Our goal as a part of NCW is to communicate the importance of chemistry to the public and especially to elementary and secondary school children. This year an enormous volunteer effort is anticipated involving the Cincinnati Museum Center and as many as fifty-one local libraries participating. Activities will include hands-on chemical demos, a poster contest and extensive media coverage. For information on NCW and how you might volunteer contact NCW Chair, Victor Arredondo at arredondo.vm@pg.com.

Our regular Section Meeting on Friday October 27th is the annual Ralph and Helen Oesper Banquet & Poster Session at UC, this year honoring Prof. Richard N. Zare of Stanford University. Prof. Zare, winner of the 2006 Oesper Award, is internationally known for his research in physical chemistry in addition to being a highly acclaimed chemistry teacher. Our banquet speaker, Prof. Dennis Jacobs is Vice President and Assistant Provost and Prof. of Chemistry at the U. of Notre Dame. Prof. Jacobs is a former graduate student from the Zare lab and will give a retrospective look into the life of Prof. Zare who has inspired generations of scientists in the classroom and research labs. Preceding the banquet there will be an extensive Poster Session, this year representing up to 100 contributions from local academia and industry (thanks to Siva Muthukrishnan, our poster organizer!). The Oesper Symposium including a presentation by Prof. Zare will also be held at UC on Saturday October 28th (see CINTACS, UC Chemistry Department website and Section website for details).

Last June the ACS Board of Directors approved the nomination of P&G's Tide, the world's first heavy-duty laundry detergent as a National Historic Chemical Landmark. The Landmark presentation followed by a public celebration is scheduled for October 25th at the Aronoff theater in downtown Cincinnati (see this issue of CINTACS for details). Thanks go to Dianne Schmidt, Ray D'Alonzo and Joel Shulman for assisting with the nomination and to Mike Showell for coordination at P&G.

Looking ahead, please recall that there will be no meeting in November. However, mark your calendars for our December 14th meeting at XU when our invited speaker will be Dr. O'Dell Owens, Hamilton County Coroner.

Wishing you all a wonderful, chemistry-filled October!

George Rizzi, Chair

**The October Monthly Meeting,
the Ralph and Helen Oesper Banquet, and
Cincinnati Section Poster Session**

co-sponsored by the Department of Chemistry, University of Cincinnati

honoring
Richard N. Zare
Stanford University

Friday, October 27, 2006
the Great Hall, Tangeman University Center, University of Cincinnati
(note change of location relative to past years)
(see page 5 for Oesper Symposium Program on Saturday, Oct. 28)

Program

5:30—6:50 PM Poster Session/Social Hour (NOTE: you do NOT have to attend the banquet to participate in the poster session. The poster session is open to anyone who wishes to participate. However, space is limited. Please register your poster early.

7:15—9:30 PM Oesper Award Banquet: dinner includes your choice of: 1) Grilled marinated portobello mushrooms with pesto angel hair primavera, 2) Chicken roulades with smoked mozzarella and Virginia ham, or 3) New York strip steak au Poivre. \$20 (1/2 price for emeritus, students, unemployed and new members).

Presentation of the 2006 Oesper Award to Richard N. Zare

After-dinner speaker, Dennis Jacobs

“The iLife of Prof. Zare: Inquiry, Imagination, Insight and Ingenuity”

Reservations The meeting reservation form is online at <http://www.che.uc.edu/acs/cinacs.html>. This is the best and easiest way to register. As a last resort, you may send your reservations by e-mail to kim.carey@uc.edu. If it is impossible to make your reservation via the internet, call 513-556-0293; leave name, affiliation, a contact phone number, and state if you are in one of the half price categories. *The deadline for registration is Mon., Oct. 23.*

Directions From **I-75**, take the Hopple Street exit and turn left at the light. You will pass over the highway. At the next light, go “straight” (straight here is actually about a 45 degree turn to the left). You are now on Martin Luther King Drive. Continue up King to the 4th traffic light. You will reach the first one quickly, the second one about ½ mile after that, the third (Clifton Ave.) after going up a long hill, and the 4th as you continue eastward with the campus on your right.

From **south on I-71**, get off at the Taft Street exit (exit 3). After the light at the end of the off-ramp, continue straight (west) on Taft for about 1.3 miles. At this time, Hughes High School is directly in front of you, and you must turn. Turn right onto Clifton Avenue. The University is now on your right side.

Park in either the Brodie Garage (under Rieveschl, access from Clifton Avenue) or Woodside Drive Garage (under Langsam Library, access from Martin Luther King). See <http://www.uc.edu/architect/documents/Logistics/logisticsbw.pdf> for a campus map.

The iLife of Prof. Zare: Inquiry, Imagination, Insight and Ingenuity

Professor Dennis C. Jacobs

abstract

The banquet would not be complete without a retrospective look at the winner of this year's Oesper Prize winner. A former graduate student from the Zare lab will reflect on how Prof. Richard N. Zare has inspired generations of scientists in both the classroom and the research laboratory. Prof. Zare combines a youthful passion for discovering the secrets of the universe with a sophisticated determination to make a true difference in the world.

(Continued from page 1)

cantly to solving a variety of problems in chemical analysis. His development of laser induced fluorescence as a method for studying reaction dynamics has been widely adopted in other laboratories.

Richard N. Zare is the Marguerite Blake Wilbur Professor in Natural Science and Chair of the Department of Chemistry, Stanford University. He was born on November 19, 1939 in Cleveland, Ohio, and is a graduate of Harvard University, where he received his B.A. degree in chemistry and physics in 1961 and his Ph.D. in chemical physics in 1964. In 1965 he became an assistant professor at the Massachusetts Institute of Technology, but moved to the University of Colorado in 1966. In 1969 he was appointed to a full professorship in the chemistry department at Columbia University, becoming the Higgins Professor of Natural Science in 1975. In 1977 he moved to Stanford University. This September he will become Chair of the Stanford Chemistry Department.

Professor Zare has won numerous research and teaching awards, and holds honorary degrees from: the University of Arizona (1990), Northwestern University (1993), Eidgenössische Technische

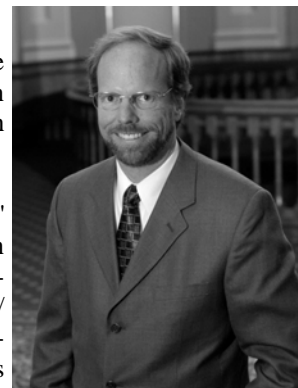


Hochschule Zürich (1993), Uppsala University (2000), Columbia University (2000), The University of York (2001), The State University of West Georgia (2001), Hunan University (2002), and Université Paul Sabatier (2003).

Professor Zare served as the Chair of the President's National Medal of Science Selection Committee 1997-2000, chaired the National Research Council's Commission on Physical Sciences, Mathematics, and Applications, 1992-1995, and was Chair of the National Science Board the last two years of his 1992-1998 service. He currently acts as Chairman of the Board of Directors at Annual Reviews, Inc. Professor Zare has given named lectures at numerous universities, has authored and co-authored over 700 publications and more than 50 patents, and he has published four books.

(Continued from page 1)

the faculty at Notre Dame in 1988, he was named an Alfred P. Sloan research fellow.



Professor Jacobs' research interests focus on understanding the dynamics of reactions at the gas/surface interface, especially under conditions where the reactants are highly energetic. He is currently flying a set of experiments on the International Space Station to study how materials degrade in the low-earth orbit environment. In 2002, Dr. Jacobs was named the 'U.S. Professor of the Year for Doctoral and Research Universities' by the Council for the Advancement and Support of Education (CASE) the Carnegie Foundation for the Advancement of Teaching. In 2004, he was appointed Vice President and Associate Provost at the University of Notre Dame.

**Visit the
Section's Home Page**

<http://www.che.uc.edu/acs>

**The Department of Chemistry
of the University of Cincinnati**

presents

**The 2006
Ralph and Helen Oesper Symposium**

honoring

Richard N. Zare
Stanford University

**Room 400-B, Tangeman University Center
University of Cincinnati
Saturday, October 28, 2006**

- 8:30 AM Continental Breakfast
- 9:00 - 9:15 Welcome and Introductory Remarks
Professor Patrick A. Limbach, Acting Head, Department of Chemistry
- 9:15 - 10:15 Saswati Datta, Procter & Gamble, Miami Valley Innovation Center
"Plasma Surface Modification - from Computers to Diapers"
- 10:20 - 11:20 Rebecca Whelan, Oberlin College
"Development of Assays for Biomarkers of Ovarian Cancer"
- Buffet lunch at the Faculty Club (11:30 - 1:00); \$10; \$5 for students
Reservations are required:
Please send an email to: Kim.Carey@uc.edu
- 1:15 - 2:15 Luis Colon, University of Buffalo
"Silica Hybrids Materials for Liquid Chromatography"
- 2:20 - 3:20 Jonathan Sweedler, Univ. of Illinois at Urbana/Champaign
"Understanding Neurochemistry Neuron by Neuron: New Measurement Technologies for Neuroscience Research"
- 3:25 - 3:40 afternoon break
- 3:45 - 4:45 Richard N. Zare, Stanford University
"Adventures in Chemical Analysis"

For directions, see page 3 and campus map at:
<http://www.uc.edu/architect/documents/Logistics/logisticsbw.pdf>

Oesper Banquet and Poster Session

Invitation to Participate in the Poster Session

The Department of Chemistry, University of Cincinnati and The American Chemical Society, Cincinnati Chapter Presents, The 26th Ralph & Helen Oesper Banquet, Poster Session & Symposium honoring Professor Richard N. Zare, Stanford University on October 27-28, 2006 at The Great Hall, Tangeman University Center, University of Cincinnati.

Abstracts are invited for the 26th Helen and Ralph Oesper Symposium Poster Session. The abstract should be single spaced, and can include 100 words or less, one figure and references. The deadline for submission of abstracts via e-mail is October 15th 2006. Please send your abstracts to Siva Muthukrishnan muthuks@uc.edu For more details about the symposium, banquet reservations, the poster session, model abstract, and other information log on to: <http://www.che.uc.edu/alumni/oesper/index.html>

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.

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Tide to Become National Chemistry Historic Landmark

On Wednesday, October 25, 2006, Tide will be dedicated as a National Chemistry Historic Landmark by dignitaries from the National ACS; 60 years after its test market roll out in 1946. The official dedication ceremony will take place at the Aronoff Center of Performing Arts beginning at 1:30 p.m. and will be open to members of the Cincinnati Section and the general public. The following is a detailed schedule of events.

1:30 - 1:40	Welcome
1:40 - 2:15	Presentation on the Innovations Tide has brought to the market
2:15 - 2:20	Inspirational Video
2:20 - 3:00	Presentation by Good Housekeeping Institute
3:00 - 3:15	Award Presentation
3:15 - 3:30	Closing Remarks
3:30 - 4:30	Reception

A Brief History of the Development of Tide

In April 1931, **Robert A. Duncan**, a P&G process engineer, traveled to Europe on a scouting expedition. While there, Duncan visited I. G. Farben Research Laboratories in Ludwigshafen. In an after hours, "off the record", conversation with one of Farben's scientists, Duncan learned about a wetting agent called Igepon. Igepon was a synthetic material closely related to a taurine derivative that had been isolated from cattle bile. Apparently, the Germans used bile during World War I in the fabric dyeing process when soap was in short supply.

Later, during that same trip, Duncan called on another colleague, **Dr. Ackermann** at Deutsche Hydrierwerke in Berlin. Ackermann not only knew about Igepon but told Duncan that they were planning to launch a competitive product. Duncan and Ackermann visited Deutsche Hydrierwerke's factory in Rotleben the next day where saturated fatty alcohols were being produced by catalytic hydrogenation. Deutsche Hydrierwerke hoped to sell the finished sodium alkyl sulfate product to the textile trade. Duncan knew that the properties this surface-active agent possessed might also make it effective as a detergent particularly in hard-water regions, where traditional soaps deposited a residue of scum, or curds. Deutsche Hydrierwerke had no notion as to what value, if any, it had as a detergent for home use. Before returning home, Deutsche Hydrierwerke agreed to sell Duncan and P&G 100 kilos of the material.

From July to October of 1931, the P&G R&D organization pressed vigorously to evaluate the material. Attempts were made to process the material into bars, flakes, granules, and liquids, and to determine the advantages and limitations in each of these forms. Stability, sudsing, detergency, toxicity, skin irritation, etc., were also determined. By October, P&G was anxious to enter into an agreement to license the new material. However, during the period of evaluation, P&G had learned that another German company, Boehme Fettchemie, was making unsaturated alkyl sulfates derived from sperm whale oil and their patent applications were in interference with those of Deutsche Hydrierwerke. P&G (**R. K. Brodie**) met with representatives of both companies and hammered out a tentative license agreement. Later, the two companies pooled their U.S. interests to form the American Hyalsol Corporation.

However, two additional complications stood in the way. DuPont had applications in the U.S. Patent Office on processes for making fatty alcohols that were declared in interference with the German applications; and Boehme had a contract with National Aniline to sell their products in the U.S. textile field. P&G and DuPont formed the Gardinol Corporation to sell alkyl sulfates in the textile field and Gardinol then negotiated an

(Continued on page 10)

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(Continued on page 16)

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agreement with National Aniline. P&G was then free to develop and market alkyl sulfates as synthetic detergents in the household and laundry markets. License agreements were signed in the spring of 1932 and Dreft, the first household synthetic laundry detergent was launched in 1933.

Dreft was an innovative but limited laundry detergent. It cleaned clothes in hard water without leaving curds but it was not strong enough to clean heavily soiled clothes. The detergency was improved to some extent by the addition of builder (sodium pyrophosphate) but this led to another problem mainly the formation of granules from the reaction of the builder with the hard water and their subsequent deposition on clothes leaving them harsh and stiff.

Throughout the 1930's, P&G worked diligently on the surfactant-builder problem trying to fashion an alkyl-sulfate-based detergent capable of both heavy cleaning and clean rinsing. By 1939, the research was looking like a dead end and management was shifting resources to other more promising projects. At this point, **David "Dick" Byerly**, a tenacious researcher convinced **Tom Halberstadt**, who had product development management responsibility for the Company's soap brands, to let him continue with his efforts to explore the use of various builders against the wishes of upper management. Byerly's project came to be known as Product X.

During the early 1940's, Byerly's management up through the Associate Director level (**Herb Coith**) struggled to keep the unofficial project alive. However, Product X required experimentation at the pilot plant level but **Harvey Knowles**, vice president of Process Development, was against it due to pressures to reformulate the Company's soap products in response to wartime rationing. Lower level managers (**Bruce Strain** and **Victor Mills**) in Process Development however provided limited support upon persistent prodding from Byerly and Halberstadt.

By 1941, Byerly made two important discoveries. First, he determined that the best builder was sodium tripolyphosphate. Second and most importantly, he determined that it was necessary for

the builder to be present at much higher levels than previously believed. Heavy duty products generally contained three to four parts of soap to one part builder, but in this case the best cleaning was obtained with one part active detergent to about three parts tripolyphosphate. In July 1943, a record of invention was filed with P&G Patent Department regarding the surprisingly good performance obtained with a product consisting of a large proportion of tripolyphosphate plus a small proportion of alkyl sulfate, based on the work done in 1941. (The U.S. patent, # 2,486, 921, was issued in November, 1949.) Thus, the basic formula for a heavy duty synthetic laundry detergent was born and Product X would finally enter the market in 1946 known as Tide.

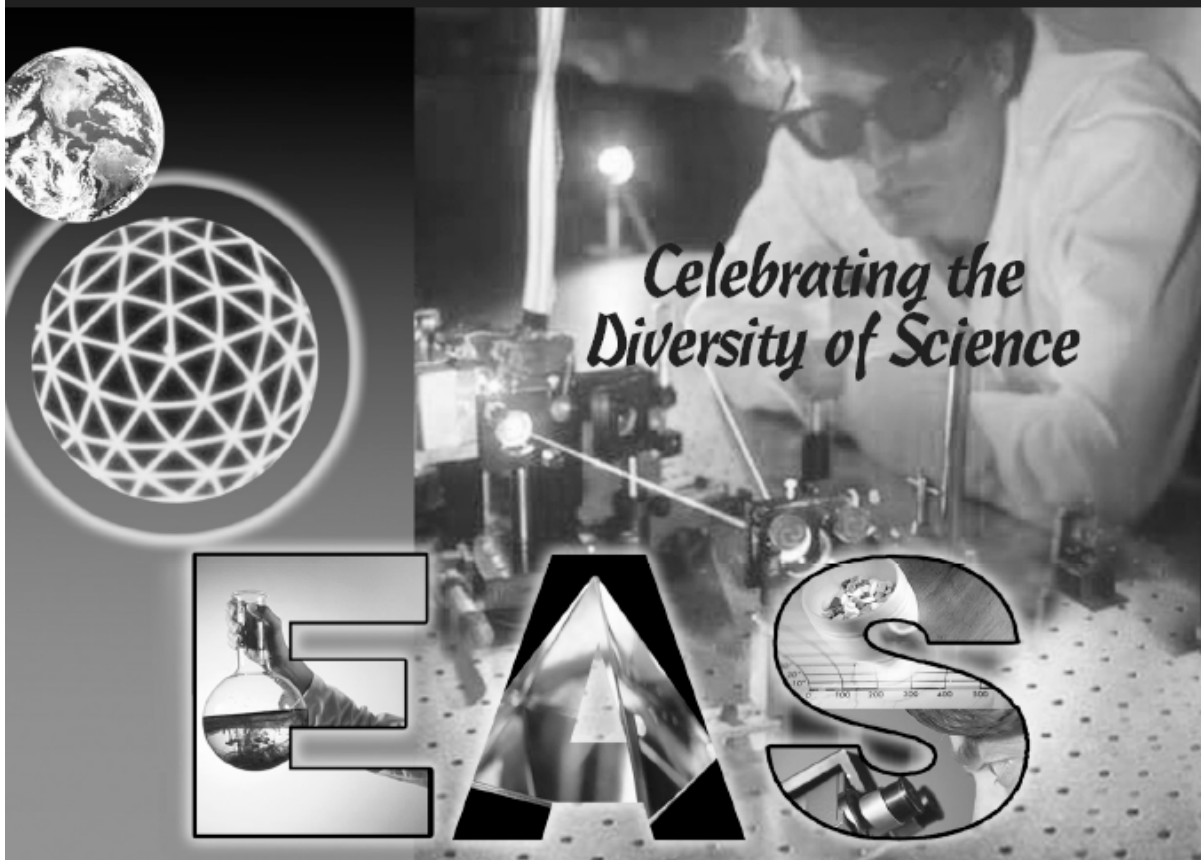


David "Dick" Byerly – Inventor of the Tide Formula

However, before commercialization could proceed two important problems needed to be solved. First, insufficient quantities of tripolyphosphate existed. P&G needed to sign long-term contracts for amounts that would justify the building of new plants costing millions of dollars and this expansion needed to be carried all the way back to the phosphate ore. Second, P&G needed new production facilities and all new construction was restricted due to World War II. This meant that all plans to market Tide would be delayed until the war was over.

After the fighting stopped and construction was de-controlled, the building of both phosphate plants and new spray-drying towers started and Tide entered its test markets in 1946. Two improvements were then quickly made to the formula. Methyl cellulose was added to prevent soil re-deposition and sodium silicate was added to prevent washing machine corrosion. Tide was rolled out for national distribution in October 1947 and quickly became the market leader whose sales during the first five years on the market were limited only by P&G's capacity to produce the product.

2006 Eastern Analytical Symposium and Exposition



November 13-16, 2006

Why Eastern Analytical Symposium This November?

- We are the second largest conference and exposition for laboratory science in the United States.
- We offer high quality cutting-edge technical sessions.
- We have state-of-the-art short courses, workshops and seminars.
- We showcase the latest innovations in scientific instrumentation and technology at our exposition.
- We have diversity and depth of interest.
- We are conveniently located just 30 minutes away from a major international airport.



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Chemical Information Update: Chemical Abstracts Service Registry Numbers

Edlyn S. Simmons, Chair,
Chemical Information Discussion Group

If you're a chemist, you recognize a CAS Registry Number when you see one. They turn up in database records, in journal articles, in catalogs and on labels. You probably know that a CAS RN designates a specific chemical substance, but you may not know how a registry number is created for a compound. Here's a little of the background.

The Chemical Abstracts Service developed the CAS Registry as a system for unambiguously identifying chemical substances in the middle of the 20th century when the number of chemical substances in the Chemical Abstracts Substance Index became too unwieldy to manage with nomenclature alone. The format of the registry numbers was designed to be unique – a 2-8 digit number followed by a hyphen, a 2-digit number, a second hyphen, and a single check digit calculated from the preceding numbers. The first registry numbers were assigned to common chemical substances, and procedures were established to check every substance described in an article or patent to determine whether the substance matched an existing registry number. If so, controlled and uncontrolled indexing terms are linked to the registry number in the document record by the CAS document analyst. If not, a new registry number is created and used in indexing the document. Registry numbers are issued in numerical order, and have no intrinsic meaning. Each registry number is associated in the CAS Registry database with the chemical structure of the compound or components of a complex or mixture, its systematic and common names, information about the number of records referring to the compound in the Chemical Abstracts database and other databases in the STN International search service, and, in many cases, chemical and physical properties of the compound.

Any structural difference from a registered substance generates a new registry number. There are separate registry numbers for each salt, for each

hydrate or complex, for each isomer or mixture of isomers of an optically active compound, and for each characterized mixture of substances. Polymers are indexed according to their component monomers, the repeating units in the polymer backbone, or both, but the registry record does not reflect the proportion of monomers in copolymers or the molecular weight of the polymer. With the exploding number of publications and the expansion of CAS coverage of journals and patents, the number of new compounds grew rapidly. As of September 13, 2006, there are 29,921,839 small organic and inorganic substances and 57,845,940 polypeptide and nucleic acid sequences in the database. A vast majority of these compounds were described on only one journal article or patent. A great many are component registry numbers, created to describe member of a salt or complex, and are not associated with any publication at all.

In addition to registry numbers created by document analysts, the Registry database contains many registry numbers created at the request of manufacturers for submission to regulatory agencies or generation of a Material Safety Data Sheet (MSDS). These registry numbers are not usually used in indexing documents, even though the materials are often mentioned by brand name in the experimental sections of articles or patents.

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

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Councilors' Report from the 232nd ACS National Meeting September 10-14, 2006

Election Results

- The Council elected H. N. Cheng, Milagros Delgado, Neil D. Jespersen, Les W. McQuire and Charles F. Rowell to the Committee on Committees for the 2007-2009 term.
- The Council elected Martha L. Casey, M. Elizabeth Derrick, Thomas R. Gilbert and Joe W. Hightower to the Council Policy Committee for the 2007-2009 term.
- The Council elected Merle I. Eiss, Barbara A. Sawrey, Sharon P. Shoemaker, Herbert B. Silber and Ellen B. Stechel to Committee on Nominations and Elections.

Candidates for President-Elect and Board of Directors

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

President-Elect 2007

Bruce E. Bursten, University of Tennessee
Yorke E. Rhodes, Retired - New York University
Bassam Z. Shakhshiri, University of Wisconsin,
James A. Walsh, Retired

Directors-at-Large – 2007-2009

William H. (Jack) Breazeale, Jr. Col. of Charleston
Dennis Chamot, National Research Council
Peter K. Dorhout, Colorado State University
Paul R. Jones, University of North Texas
Valerie J. Kuck, Retired - Bell Labs
Dorothy J. Phillips, Waters Corporation
Marinda L. Wu, Science is Fun! Company

Director, District I 2007-2009

Thomas R. Gilbert, Northeastern University
Anne T. O'Brien, Consultant Retired

Director, District V 2007-2009

John E. Adams, University of Missouri
Judith L. Benham, Retired

Governance Review

The Council received a report from the Council Policy Committee on activities related to Governance Review. The Board-CPC Governance Review Task Force generated 23 ideas following initial interaction with the Board, Council, Committees and other interested members. A joint meeting of the Board of Directors and CPC was held at this meeting to prioritize the 23 ideas into three categories: to advance the idea as worthy of further consideration by the cognizant committee and/or interested groups; to refine the idea which will be sent back to the Governance Review Task Force for further consideration; or to place the idea in a "stop" category as an idea that will receive no further consideration as part of the governance review. Councilors received a listing of the 23 ideas organized into the three categories as prioritized jointly by the Board and CPC.

Registration Report and 2007 National Meeting Registration Fee

As of September 12, 2006, the ACS fall national meeting had attracted 15,603 registrants. Totals in select categories are as follows: Regular attendees 9,373; Students 3,350; Guests 510; Exhibit Only 504; and Exhibitors 1,666. The Committee on Meetings and Expositions reported that national meeting financial targets continue to be met, and therefore recommended to the Board of Directors that there be no increase in national meeting registration fees for 2007.

Committee Review and Committee Change in Status

As part of a regular review, the Council VOTED to continue the Committee on Public Relations and Communication, the Committee on Environmental Improvement, and the Committee on International Activities subject to concurrence by the Board of Directors. The Council also VOTED to support the request of the Committee on Community Activities that its status be changed from an "other committee" of the Board to a joint Board-Council Committee. The purpose of the Committee on Community Activities is to improve the public perception of chemistry by providing programs to connect chemists with their communities.

National Chemistry Week 2006 Update

Planning for National Chemistry Week (NCW) is going “*full steam*”. The NCW program is expanding and the number of venues we are trying to cover is increasing, and as a result the number of people we will be able to reach will be even greater. As of now, we have fully scheduled 28 venues, but I am waiting for date/time information for 13 more that have been already taken by volunteers. That leaves 10 more confirmed venues that need demonstrators. So, I ask to please join the NCW team to cover all 51 confirmed venues (see below)

As I write this update, we also have efforts to have NCW demonstrations events at other venues:

- Home improvement stores (perfect fit don't you think?)
- Hispanic Communities in Hamilton (working with several faith-based organizations)

Therefore, if you have the passion, interest and willingness to step up and show the importance of chemistry in everyday life, I challenge you to join us in this effort..... you will not regret it because it is rewarding and fun!! You do not have to be a pro to be a part of NCW, we have many volunteers who have lots of experience doing chemistry demonstrations that can help you. We also hold an annual “NCW Training Evening Event” in which we provide/show “cooked” demonstrations, ready to be used by any volunteer; and if after all this you are not comfortable taking charge of a program, we can pair you up with someone who needs help. *This year's Training Event will take place at the Summit Country Day School on September 26th, 2006 starting at 7:00 pm.* Please attend, bring ideas for demonstrations to share with fellow volunteers, and have fun! I will also be distributing newspapers, magazines, and NCW goodies.

There are many other ways you can contribute to the NCW 2006 campaign “**YOUR HOME – IT'S ALL BUILT ON CHEMISTRY**”: conducting hands-on-activities with children, helping to plan/coordinate an event at a particular venue, writing articles or letters to local papers, etc. Please

contact me to plug you in or answer any questions you still may have, I can be reached at arredondo.vm@pg.com, or (513) 626-0242.

Thank you, and I look forward hearing from you!!

<u>Date</u>	<u>Location</u>
10/16	Avondale Library Sheben Branch, Boone County. Library
10/18	West End Library
10/19	Erlanger Branch, Kenton County Library
10/21	Anderson Library West Chester Library
10/22	Main Library
10/23	Harrison Library Ft. Thomas Campbell County Library
10/24	Monfort Heights Library Forest Park Library Elmwood Place Library Newport Branch Boone Country Library Norwood Library Loveland Library Madeira Library Miami Township (Cleves) Library North Central Library
10/25	Blue Ash Library Independence Branch Kenton County Living Waters Church (Hamilton)
10/26	Hyde Park Library Pleasant Ridge Library Mason Library Cold Springs Branch Campbell County Clifton Library Deerpark Library
10/27	Covington Branch Kenton County Library Cincinnati Museum Center
10/28	Cincinnati Museum Center



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contact Steve Fennessey at (513) 794-9777
Steve.Fennessey@YourEncore.com

Meeting Sponsors for Eight Section Meetings

We have 8 meetings scheduled in the 2006-2007 Cincinnati Section Program year (There is no meeting in November). Our goal is to have a sponsor for each. Sponsorship entails a \$1000 cash or "in kind" contribution to defray meeting expenses, leading to better programs, higher attendance, and more student attendance. We believe our sponsorship program is meeting these goals and thus we are continuing the program for 2006-2007 and beyond. As in the past 5 years, corporations, academic institutions, retirees, and other individuals have volunteered to be sponsors.

So far we have 7 sponsors lined up for the program year: Robert Laughlin, University of Cincinnati, Xavier University, Givaudan Flavors, Procter & Gamble, Advanced Testing Laboratories and Girindus America. We hope to add one more sponsor to complete the roster, within the month.

If you would like to be a sponsor, or can suggest individuals, companies, or academic institutions who would be willing to help this worthy cause, please contact the undersigned.

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

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(Continued from page 9)

Oesper & Olympiad High School Awards

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Organic Chemistry Discussion Group

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2007-2008 Program

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Women Chemists

Tina Engel
Procter & Gamble
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Xavier University Meeting

Dan McLoughlin
Xavier University
3800 Victory Parkway
Cincinnati, OH 45207-4221
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Younger Chemists

Sean Conklin
conklinsd@hotmail.com

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Chemistry Merit Badge Councilors Needed

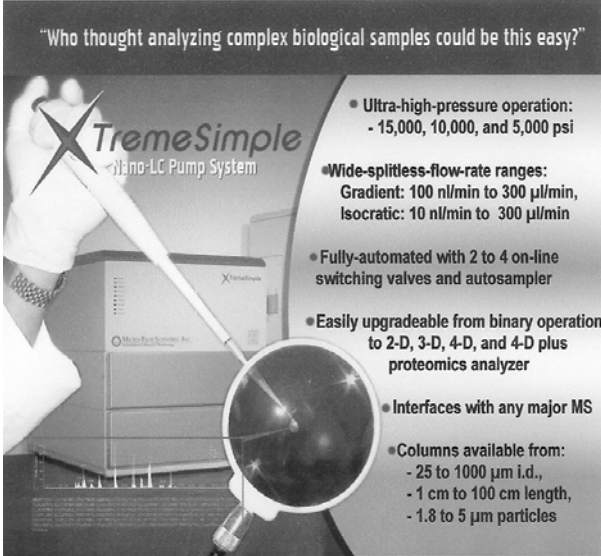
The Dan Beard Council of the Boy Scouts of America will be offering their annual merit badge challenge program on February 3, 17 and March 10, 2007 at Sycamore High School. Once again, the program organizers would like to offer the Chemistry merit badge but qualified councilors are desperately needed. 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.

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>


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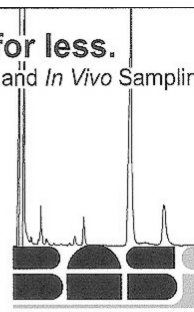
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