

# CINTACS



Newsletter of the Cincinnati Section of the American Chemical Society May, 2005  
Vol. 42, No. 8

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## May Monthly Meeting Party Night Thursday, May 26 *sponsored by* Advanced Testing Laboratory



200 East 3<sup>rd</sup> Street Newport, KY 41071 (859)  
491-7200 [www.hofbrauhausnewport.com](http://www.hofbrauhausnewport.com)

### Program

- 6:00 pm Registration and social hour: beer, wine, Bavarian Pretzel
- 7:00 pm Special Recognition Event: Bill Carroll honors The Procter & Gamble Company for their support of the ACS Scholars Program.
- 7:30 pm Deutschland Fare Dinner: House Salad, Assorted Breads, *Choice of:*  
**Schnitzel** Breaded pork cutlet served with fried potatoes.  
**Würstlteller** A combination of Bierwurst, Bratwurst and Wienerwurst served with mashed potatoes, fried cabbage and sauerkraut.  
**Fettuccini Alfredo with Chicken**  
Bottomless soft drink, tea or coffee.  
**Dessert** Strudelhaus Applestrudel

\$ 30.00 for social hour, two beer or wine tickets, and dinner ( half price for students and retired or unemployed members). Valet parking is included. **Please bring the parking voucher on page 3.**

**Dinner 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 lesser alternative, you may send your reservations by email to Kim.

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**THE CINTACS NEWSLETTER****Vol. 42, No. 8 May, 2005**Editor.....Bruce S. Ault  
Advertising.....Ed Hunter

CINTACS is published nine times a year (September through May) by the Cincinnati Section of the American Chemical Society. The submission deadline will be approximately August 1 for the first issue of the, 2005-2006 year. Electronic submission is strongly preferred, except for original photos. All materials should be sent to:

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**From the Chair**

This year our traditional Party Night meeting will be held at the Hofbräuhaus in Covington, Kentucky on Thursday, May 26. In addition, there will be a special event at the meeting. Bill Carroll, President of the American Chemical Society, along with several Directors from the national ACS organization will be on hand to recognize The Procter & Gamble Company as a Sustaining Partner to the ACS Scholars Program for its more than \$200,000 in direct scholarship support to underrepresented students in the program. Art Sutton, an ACS/Procter & Gamble Scholar who is graduating from the University of Cincinnati, and his mentor, Joel Shulman, will also be at the meeting. ( See the article on page 3 for more details.) So, come on out and take advantage of the opportunity to interact with the President of our Society and enjoy a relaxing evening in the Bier Garten .

The Cincinnati Section is a very active and vibrant section only because of the Section Officers, Committee Chairs and the volunteers who freely give their time and effort to the many activities and programs within our section. As the end of my term approaches, I want to thank and recognize all those in the section who really do the work. If I inadvertently miss acknowledging someone, please accept my apologies in advance.

The mentorship of Joel Shulman throughout this year has been invaluable. Joel, thank you for all your support and patience in enduring all my questions. Joel also chaired the Nominating Committee. Thanks go to George Rizzi for keeping the minutes and Bob Kempton for keeping track of our finances and for taking care of registration at our monthly meetings.

Communication is so very important to our organization and we are all very appreciative of the discipline and diligence that Bruce Ault puts into getting CINTACS out to the membership on time and in great shape. Thanks also go to Grover Owens for keeping track of the membership list and for sending out the e:mail notices regarding upcoming meetings and to Ed Hunter for increasing the advertising revenue from CINTACS. I'm very appreciative of Kim Carey's efforts in maintaining the Section's web page and keeping track of the registration for our monthly meetings - her forethought has prevented many glitches and headaches.

Due to the efforts of Victor Arredondo (NCW chair) and Gloria Story, Jamie Heimkreiter (Publicity Chair) and Kathy Gibboney (Public Outreach Chair) and the direct involvement of dozens of member volunteers at our numerous NCW venues, our section continued its tradition of running an outstanding and highly effective National Chemistry Week program that reaches out to our community and dem-

*(Continued on page 4)*

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carey@uc.edu. If it is absolutely impossible for you to make reservation via the internet, call 513-556-0293 (please leave name, affiliation, a contact phone number, *menu choice* and state if you are in one of the ½ price categories). Deadline for reservations is **12:00 noon on Monday, May 23.**

**Directions:** Cross the 471 bridge and take the first exit on the right (Bellevue). Follow exit to stop light. Turn left on Dave Cowens Drive. Follow Dave Cowens around the bend to the left to a stoplight. Turn right at the stoplight and Hofbräuhaus is on the left. For more information see [www.hofbrauhausnewport.com](http://www.hofbrauhausnewport.com). Pull into the parking lot on the left and present your parking voucher to the valet.

## Special Recognition for Procter and Gamble at the May Meeting

At the May 26 monthly meeting of the Cincinnati Section, ACS President Bill Carroll will honor Procter & Gamble and these colleagues who are key to the partnership with the ACS Scholars Program and the success of the Cincinnati Local Section.

In 1999, Joel I. Shulman, then Manager of External Relations for The Procter and Gamble Company, pledged five years of support for students in the American Chemical Society's scholarship program. Procter & Gamble provided \$2,500 scholarships for two underrepresented minority undergraduate students in the chemical sciences. This support was sustained by D. Ron Webb, when he became Senior Manager, Doctoral Recruiting.

Diane G. Schmidt won election to the ACS Board of Directors in 2002 and within months secured a pledge that, combined with Ron's support, would provide \$2,500 annual scholarships to a group of ten ACS Scholars for four years. In fall 2002, ACS recognized Procter & Gamble as a National Partner, the designation for donors of \$100,000 or more. By fall 2004, Diane had identified an additional \$100,000 contribution. To honor this generosity, ACS created a new donor designation naming Procter & Gamble the first "Sustaining Partner" to the ACS Scholars Program.

Procter & Gamble's generosity funds more than a successful program. Fifteen talented students with financial need have been helped in their pursuit of a science education. At least six of the ACS/P&G Scholars enjoyed summer internships at various Procter & Gamble research facilities. Art D. Sutton, who is graduating from the University of Cincinnati, has benefited from internships and a productive mentoring relationship with

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Valet Parking Voucher

Hofbräuhaus Newport



Good on the evening of May 26, 2005 for attendance at the May Monthly Meeting of the Cincinnati Section of ACS.

*(Continued from page 2)*

onstrates the positive impact chemistry has on our daily lives. Gloria Story, Victor Arredondo and many of the NCW volunteers also put together our Section's Earth Day activities.

Joy Henderson has continued pushing to keep our Younger Chemist Committee active and played a big role in organizing our September picnic. Marshall Wilson is to be congratulated for organizing the well attended October meeting, and a very strong Oesper Award Symposium. Thanks also to Nebojsa Pantelic for his efforts in arranging the poster session at the October meeting. Judson Haynes organized a joint meeting with NOBCCHE and Dan McLoughlin made the meeting arrangements for our December meeting at Xavier. Phil McKittrick and James Cox organized a joint meeting with the Cincinnati Section of the Society of Applied Spectroscopy in February. Mark Laskovics organized and made all the arrangements for the March meeting at the Genome Research Institute as well as a full day Oligonucleotide Symposium. Thanks go to Jim Niewahner for making the arrangements for the April awards meeting at NKU. The content of our monthly meeting is greatly enhanced by having Discussion Group sessions. Thanks go to our discussion group chairs – James Cox, Carol Caperelli, Matt Lynch, Bill Laidig, Michael Clager and James Mack, for all their efforts in bringing in excellent speakers.

Our Section is committed to supporting science education in our community. Linda Ford (Education Discussion Group) has again done a fine job of organizing the discussion group meetings and other education-related activities. Bill Connick has continued our strong Project SEED program. Last year, Ralph Damico initiated our Retired Chemists committee and this year he has continued the classroom demonstration program.

Special thanks go to our Awards committees: to John Williams for coordinating the Oesper & Chemistry Olympiad exams and awards; to Richard Sunberg for the NCW contest and to Jim Hersberger for chairing the award committee for the Chemist of the Year award, the Outstanding Teacher awards and the Outstanding Service awards.

Ted Logan has again been very effective in finding sponsors for our monthly meetings. Rick White organized a successful short course on "Pharmacology for Chemists" in April. Ray D'Alonzo did a great job in reviewing and re-writing our by-laws. Thanks also go to Edlyn Simmons (Long-range Planning Chair) and Niranjana M. Deo (Government Relations Chair) for their contributions. I would also like to thank our Councilors and Trustees for their advice and support throughout the year. Most importantly, I'm very grateful to our members for attending our monthly meetings and supporting the many activities in our Section.

Emel Yakali has been very busy getting ready for next year. She has organized and conducted a membership survey and has been planning meetings. I ask all our members to extend to Emel all the support that you have provided me this past year and wish Emel all the best in the 2005-06 session.!

Phil Christenson

*(Continued from page 3)*

Joel Shulman. By hiring seven former ACS Scholars, Procter & Gamble has demonstrated its leadership in helping the chemical enterprise better reflect our diverse society.

The following directors from the National ACS organization will be joining Bill Carroll at the May meeting:

Denise Creech, Director, Membership Division,  
Martha Lester, Director Member Outreach Programs  
Mary Bet Dobson, Assistant Director, Development for Individual Gifts  
Kathy Fleming Assistant Director, Development for Corporate and Foundation Gifts

Contribution from Kathy Fleming

## Edlyn Simmons Joins Patent Information Industry Hall of Fame

Edlyn Simmons, Section Manager for Patent Information in the Intellectual Property and Business Information Services Department at Procter & Gamble in the U.S., is being honored as the recipient of the International Patent Information IPI-Award 2005. Edlyn is being recognized for being "a tireless lobbyist and advocate on behalf of patent information professionals everywhere, liaising with vendors to ensure viable, higher quality services and new products (notably Markush systems), with better features and benefits for our profession."

Edlyn Simmons gained both a Bachelors and a Masters degree in Chemistry from the University of Cincinnati, Ohio. From an early career in Chemistry, she transitioned into patents while at Merrell National Laboratories. There she became a

Patent Agent and served the company as patent information manager for many years under the banners of Marion Merrell Dow and Hoechst Marion Roussel. She moved to Procter & Gamble in 1999, continuing her career in patent information management. Perhaps one of her most significant contributions is the role that she has played in co-founding the Patent Information Users Group, the PIUG. The PIUG has grown to be a major force in patent information. Ms. Simmons has served as Chair of the PIUG from 1990-1992 and Director-at-Large from 2000-2004. She is currently serving another term as Director-at-Large until 2006.

Ms. Simmons has a number of publications to her credit. Among these, she has made editorial contributions to two books: co-authoring with Dr. Stu Kaback the chapter on patent information in the 'Kirk-Othmer Encyclopedia of Chemical Technology' (she is currently working on her own in updating the 5th edition), as well as authoring three editions of a chapter in the 'Manual of Online Search Strategies'. In addition, she serves on the editorial advisory board for the highly-regarded 'World Patent Information' journal.

For details, visit: <http://www.IPI-Award.com>



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## Colleen Epperson 2005 High School Chemistry Teacher of the Year

The Awards Committee of the Cincinnati Section is very pleased to announce that Colleen Epperson received the high school teacher of the year award for 2005. She is being recognized for her commitment to excellence in teaching, and her support of the chemical education community in Cincinnati.



Colleen received undergraduate and graduate degrees from Northern Kentucky University. After 11 years teaching in northern Kentucky, she began teaching at Fairfield High School in 2003. She has taught chemistry, biology, physics, and earth science at all high school levels. She is highly regarded by colleagues, administrators, and parents for her ability to motivate students ranging in ability from the “gifted” to those who find the subject matter very challenging. Her philosophy is to “teach something interesting everyday”. Willing to make use of a wide range of teaching devices and classroom activities, she has even been known to impersonate Velma (the female scientist character in Scooby Doo) in order to encourage solving chemistry mysteries.

According to one of her colleagues, one of Colleen’s great strengths is her willingness to share

her time and ideas. Colleen has been active attending and presenting at the ACS Cincinnati Affiliation Teachers Discussion Group. She is a member of the ACS, the NSTA, and the NEA. She has worked hard through conferences and workshops to stay current in her profession, and she has received multiple grants from the Cincinnati ACS to enhance classroom instruction. She credits her supportive family for giving her the free time to pursue her profession. Her twins (Payton and Lauren) have been known to attend ACS meetings with her, and her husband (Shannon) and father (John) have been recruited to help develop and construct instruction materials. Colleen says of herself, “You can call me a ‘geek’, but I dedicate a lot of my spare time to researching new ideas and seeking perfection of my techniques.....The pleasure comes at the end of the day when I look back and feel satisfied with the interactions I had with students and the lessons I taught.” Congratulations, Colleen, on this well deserved award!

## CHED Teaching Excellence Award Endowment Campaign Begins

Are you ready to support great science teaching? If so, then plan to join those who have already made contributions to the Division of Chemical Education (CHED) Teaching Excellence Endowment. Glenn Crosby, chair of the Endowment Task Force, kicked off the fund raising campaign at the Southeast Regional ACS Meeting in November 2004, announcing that over \$30,000 had been already been collected toward the goal of raising \$300,000. The funds will provide an endowment in perpetuity, ensuring that each year one high school teacher of chemistry and the chemical sciences in each of the ten ACS regions will receive at least a minimum of \$1,000 as the teaching excellence award. In 2004, the Executive Committee of CHED voted to match the first \$100,000 in contributions to the fund on a 1:1 basis.

Crosby hopes to obtain gifts from many individuals to demonstrate to the high school teacher community that there is an influential group of scientists and engineers that appreciates excellence in science teaching and wishes to reward those who excel in that

*(Continued on page 8)*

## Tom Amlung 2005 Middle School Teacher of the Year

The Awards Committee of the Cincinnati Section is very pleased to announce that Tom Amlung has been named the Middle School Teacher of the Year 2005. Tom is being recognized for his commitment to excellence in teaching. In particular we recognize his special talent for motivating his students with the excitement of scientific inquiry.



Tom received his Bachelor of Arts degree in biology (minor in chemistry) from Hannover College in 1986. He was researcher at the University of Cincinnati College of Medicine for 12 years. His research areas included mycology and microbiology. During this period he took courses in physics and geology. Interactions with graduate students and volunteer work with children convinced Tom that he was called to the teaching profession. He completed his Post-baccalaureate Teacher Certification at the University of Cincinnati in 1998 and received his M. Ed. in 2003. He joined the faculty at Mariemont Junior High School in 1999 where he currently teaches 7<sup>th</sup> grade earth, life and environmental sciences. In addition to his activities on numerous committees, Tom is the faculty advisor for the Science Club. He is a member of the National Science Teacher's Association.

Unlike many mortals and most scientists, Tom Amlung can talk to middle school students in language they understand. According to his nomi-

nator, "From his dynamic and fun personality, to his jam-packed classroom lab, to his fun and informative website, Tom makes his students curious about science." Tom's Principal adds, "He possesses a post-graduate resume that is rather impressive and he articulates a passion for the subject matter that is quite engaging.....He spends countless hours before and after school preparing for labs and lessons and working with students.....It is not uncommon to find students asking to come to his room during lunch to review a lab or find out more about a previous lesson." The Principal described some of Tom's classroom lab activities and concludes "I.....was left wishing I had Mr. Amlung as my teacher so many years ago." Congratulations, Tom, on this well deserved award!

## ACS Women Chemists Committee Travel Awards 2006

The Eli Lilly & Company is sponsoring a program to provide funding for undergraduate, graduate, and postdoctoral women chemists to travel to scientific meetings in 2006 to present the results of their research. Grants may be applied only for registration, travel, and accommodations, and are restricted to travel to meetings within the United States. Grant funds are limited, but there are some funds set aside for undergraduates. Only U. S. citizens and permanent residents are eligible. Applications should be limited to one per research group. Awards will be given with preference to the following order: (1) any applicant who will be making her first presentation (regardless of format) at a national or major meeting, (2) graduate or postdoctoral applicants who have not presented at a national or major meeting since leaving undergraduate school. Women who have received a prior award under this program are ineligible.

The deadline dates for receipt of applications are as follows:

- September 15, 2005 – Meetings between January 1 and June 30, 2006
- February 1, 2006 – Meetings between July 1 and December 31, 2006

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## Carol Muzny 2005 Elementary School Teacher of the Year

The Awards Committee of the Cincinnati Section is pleased to announce that Carol Muzny received the elementary school teacher of the year award for 2005. Carol is being recognized for her commitment to teaching science beyond the requirements of the standard curriculum, and her efforts to help her students make connections between science and "real life".



Carol began her teaching career in El Dorado, Arkansas. For the past 25 years she has taught in Kenton County, KY and 24 of those years have been at Taylor Mill Elementary School. She currently teaches fifth grade students all subjects. She also "specializes" in teaching a Health/Science Sanitation District #1 Water Management Curriculum and the Kentucky NEED program, designed by Cinergy to help instruct students (and, in turn, their parents) how to use energy efficiently. She serves as the Intermediate Gifted/Talented Lead Teacher for Taylor Mill School and serves on the district steering committee. She has a particular impact on gifted and high potential students by serving on the committee that facilitates sharing of resources for differentiated instruction.

Carol believes her strength is in exciting her students about science. Whether it is the glowing

pickle (an electrical conductivity demonstration) or classroom visits by scientists Dr. Vernon Hicks (NKU) or Dr. Jim Swartz (Thomas More) who come to mystify and inspire, Carol strives to provide memorable lessons. She is a big supporter of the ACS Chemistry Poster Contest. Sometimes the topic of the contest is a bit beyond elementary students, but she states "...just talking to students about how science affects their life is important."

Carol has received the Elementary Science Teacher of the Year award from the Kentucky Association of Science Teachers (1995). She has also received recognition from her local board of education for her work with the Cinergy energy efficiency curriculum. Congratulations, Carol on this well deserved award!

## Section Picnic Again This Fall

Our section will once again start the year off with a Family and Friends Picnic in late September. The details are pending, but please keep this in mind as a great way to enjoy a fun-filled Sunday afternoon with your fellow section members and their families/friends. If you have suggestions for activities, location, food, and music or want to help organize the event, please contact Joy Henderson, 513-948-2359, [accincinnati@yahoo.com](mailto:accincinnati@yahoo.com). All comments and help will be greatly appreciated!

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demanding profession. In addition, the intent of this award program is to establish a firm presence of the Division of Chemical Education in all ACS regions and to promote greater involvement of high school teachers in the activities of the ACS.

Contributions to help fund the award, which will be known as the Division of Chemical Education Regional Award In High School Teaching, can be made by sending a check, payable to the American Chemical Society, to the ACS Department of Meetings and Expositions Services, c/o CHED HS Fund, American Chemical Society, 1155 16th St., NW, Washington, DC 20036. Please visit [chemistry.org/meetings/regional](http://chemistry.org/meetings/regional) or <http://divched.chem.wisc.edu/> for a downloadable contribution form, or call 800-227-5558 ext. 8072.

## Scenes from “Healthy Water, Healthy People” Workshop



left: at the stream



above: Mike Geyer records data



above: testing stream water for nitrates and phosphates



right: Jean Paddock conducts water analysis

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## **Report from Council**

### **229<sup>TH</sup> ACS National Meeting, San Diego, CA**

#### **Actions of Council**

##### **Election Results**

- The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2006: Pat N. Confalone, Catherine T. Hunt, John W. Kozarich, and Cynthia A. Maryanoff. By written ballot the Council selected Catherine T. Hunt and John W. Kozarich as candidates for 2006 President-Elect. They join George E. Heinze, who was certified as a petition candidate for 2006 President-Elect.

##### **Proposal for a Committee on Ethics**

- The Committee on Committees presented to Council a proposal for establishing a Committee on Ethics as an Other Committee of the Council. The charge of this committee would be as follows: To coordinate the ethics-related activities of the Society, serve as an educational resource and clearinghouse, but not as an adjudication body, for ACS members seeking guidance on ethics issues; raise awareness of ethics issues through meeting programming and columns/editorials; review recognition opportunities for acknowledging ethical behavior; and to develop and oversee such other ethics-related activities as will serve ACS members and promote the Society's standards of ethical conduct within the profession of chemistry and its related disciplines. After defeating a motion to assign the proposed duties of the committee to the Committee on Economic and Professional Affairs, the Council VOTED to establish a Committee on Ethics as an Other Committee of the Council.

##### **2006 Member Dues**

- The Council VOTED to set the member dues for 2006 at the fully escalated rate of \$127.

#### **Actions of the Board of Directors**

##### **The Special Temporary Assessment**

- In December 2002, the Board of Directors enacted a special temporary assessment to cover the costs of increased funding for divisions and local sections, as stipulated in the Petition for Division and Local Section Funding, which was subsequently approved by the ACS Council, Board, and membership in March 2003. The Board accepted the temporary assessment with the understanding that it would be reviewed each year to determine whether it could be reduced. The Board reviewed the temporary assessment for 2006 and, in light of the Society's strong financial performance, VOTED to reduce it to \$5, rather than proceeding with the scheduled \$6 assessment.

##### **The Society's Current Finances and Financial Future**

- The Committee on Budget and Finance reported that the Society ended 2004 with a net contribution from operations of \$5,099,000 on revenues of \$419,200,000 and expenses of \$414,700,000. This was \$3,628,000 favorable to the approved budget. After including the results of the Belmont Conference Center, recorded as a discontinued operation, and the Member Insurance Program, the Society's overall net contribution for 2004 was \$4,465,000, which was \$3,229,000 favorable to the approved budget.

## Teachers Celebrate at Rozzi's

This is the last call for those interested in the tour of Rozzi's Famous Fireworks in Loveland, Ohio. Art Rozzi will take us on a tour of the production facility and then give us a talk on firework production on Wednesday, May 25, at 4 PM. The visit will last about 90 minutes and then we will share a pizza supper at Dewey's Pizza at 11338 Montgomery Road. Send an e-mail to Linda.ford@7hills.org by May 10 to reserve a spot (Linda has room for eight more people). Linda will send out driving directions closer to the actual date.

## National Chemistry Week (NCW) October 16-22, 2005 "the joy of toys"

Greetings fellow members and volunteers! Every year during NCW the Cincinnati ACS NCW volunteer team provides fun-filled, learning experiences by carrying out chemistry demonstrations at the Cincinnati Museum Center, many local libraries and schools. I want to invite all interested individuals (chemists, teachers, students) to join us this year and have a great time. The *JOY OF TOYS... through chemistry I would add*, will offer a great opportunity to foster interest in chemistry by the many kids that are reached during NCW and motivate them to pursue a career in this discipline.

If you are not comfortable in front of an audience, please consider joining as a "roadie" or as a member of the planning committee, we need your talents and all the ideas we can get. The team also welcomes and appreciates any ideas for chemistry demos (targeted to 4-6th grade level) for this year's theme, so please share them with us. Contact Victor M. Arredondo, NCW chair, at arredondo.vm@pg.com, or (513) 626-0242. Thank you, I look forward working with you all!!

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For more information, contact Michelle Davin at 513-229-2078 or Adam Akin at 513-229-2085.

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## Update on Proposed Bylaws Changes

As reported in the December issue of CINTACS, a section membership vote on the adoption of several changes to the bylaws was expected to take place during a spring meeting. This will not take place as planned since the preliminary review of the changes by the National ACS Committee on Constitution and Bylaws was only recently completed. Section membership approval of the changes will now take place at one of the fall meetings.

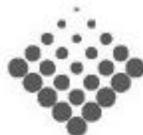
Respectfully submitted,  
Ray D'Alonzo

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For detailed information about this award and how to apply visit the Women Chemists Web site at <http://membership.acs.org/W/WCC/> or contact the WCC office at [wcc@acs.org](mailto:wcc@acs.org).

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## Meeting Sponsors, 2004-5 Program Year, Cincinnati Section, ACS

The Section is very appreciative of the sponsors listed below and their contributions (\$1,000 or in-kind equivalent). These contributions ultimately lead to better talks, higher attendance, and more value to meeting attendees. Please thank them for their generosity and let them know you appreciate their contributions to the Section.

September Meeting	No Sponsor Solicited
October Meeting	UC Chemistry Department
November Meeting	No Meeting
December Meeting	Procter & Gamble Company
January Meeting	T.J. Logan
February Meeting	Givaudan
March Meeting	Genome Research Institute/ Girindus America
April Meeting	**
May Meeting	Advanced Testing Laboratory

\*\* IOTA SIGMA PI, Honor Society for Women in Chemistry, has made a financial contribution to help support this meeting, hosted by NKU.

Ted J. Logan, Chair

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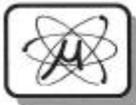
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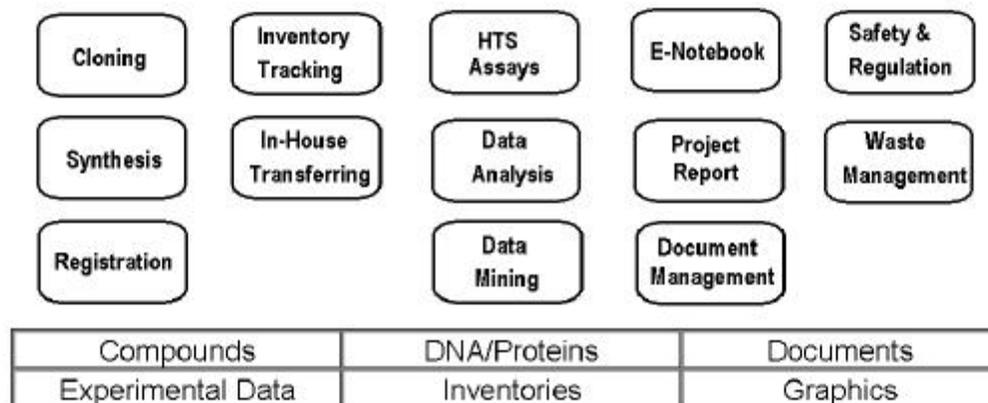
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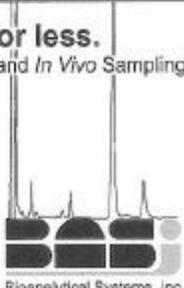
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