

Calendar of Upcoming Events

August 19-25 — ACS 2007 Fall Meeting

September 29 — YCC DIA Tour, see page 1 for details

October 9 — October Section Meeting, see page 17 for details

October 21-27 — National Chemistry Week, see page 5 for details

November — ANACHEM Symposium, see October Chemist for details

November 17 — Chemistry Day at Belle Isle, see page 6 for details

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Detroit Section ACS
1560 Beaver St.
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Attn: Dated Material

The Detroit Chemist

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Newsletter of the ACS Outstanding Local Section

Younger Chemists Committee presents: Chemistry Tour of the Detroit Institute of Arts

Saturday, September 29th, 11:00 AM

Join us for an exclusive tour of the Conservation Science Lab at the Detroit Institute of Arts. Our host, Dr. Glenn Gates, will explain the treatments, approaches, scientific analysis, and acquisitions of the DIA's vast collection of paintings, objects, paper, textiles, and frames.

Space is limited and you must RSVP for this event!!!

Call Meghann Mouyianis at 313.993.1259 for more information and to RSVP

CANDIDATES FOR 2008 SECTION OFFICER AND COUNCILOR ELECTIONS

The Section's Nominating Committee has selected a final slate of candidates to run for election for 2008 officers. According to the bylaws, Councilor and Alternate Councilor offices must have at least one more nominee than there are available openings. Councilors and Alternate Councilors serve three year terms. Nominations may also be made by petition.

SLATE OF NOMINEES FOR FALL 2005 ELECTION

Chair-Elect:	Anthony Sky
Secretary-Elect:	Mary Kay Heidke
Treasurer-Elect:	Angela Allen
Councilor (choose 1):	Hulya Ahmed James Landis, Jr.
Alternate Councilor (choose 1):	Mark DeCamp Sunitha Grandhee

Look for your ballot for the Sections's election in the mail in October and, please, remember to vote

DETROIT ACS SECTION AND ANACHEM ON THE WEB

A Website for the Detroit ACS Section and ANACHEM, maintained by Ed Havlena can be found at:

<http://www.detroitsection-acis.org>

The Detroit Chemist is now also available via email in text-only form. To subscribe send an email to: majordomo@angus.mystery.com with
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- The Student Loan Consolidation Program for postgraduate education debt management options

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SECTION RECOGNITION AWARDS

Every year the Detroit Local Section of the American Chemical Society honors members that have gone above and beyond the call of duty. These volunteers have taken time and energy out of their busy schedules to provide assistance and resources to the Section in various roles.

Megan Klein of Ash Stevens Inc. was awarded the Section's **Distinguished Service Award** (established in 1978 to honor members for long and meritorious service to the Section). With her B. Sci. in Chemistry from Xavier University in Cincinnati, Ohio, Megan has been a lifetime card-carrying geek and Analytical Chemist at Ash Stevens, Inc in Riverview for the past 5 years.

Megan has actively volunteered with the ACS Detroit Local Section since joining the Section in 2000. She has volunteered in several roles, currently as Secretary and Career Services Coordinator.



William Carroll, ACS President, presents 2007 DSA to Megan Klein

Along with assistance from the National ACS, Megan has helped dozens of local and relocating chemists by providing evening and weekend programming, one-on-one assistance and networking with ACS members. As Local Section Career Coordinator, she makes an effort to ease members' career transitions and job searches. Megan and her fellow volunteers earned the Section National ACS ChemLuminary Awards in 2003 and 2005. Recently, she earned the Section a Local Activities Committee Grant for the TriSectional Career Program held in April 2007. In addition, she was presented with a Salutes to Excellence Award in May 2005 for her dedication to the chemists in the SE Michigan and surrounding areas through Career Services.

(Awards, continued from page 3)

Megan is also an active participant in the Detroit Local Section Kids in Chemistry programs, which include grade-school visits, our annual Girl Scout program, and National Chemistry Week at Cranbrook Science Museum, to name a few. She received a Salutes to Excellence in May 2007 for her work with aspiring young scientists.

Megan is looking forward to continuing her active role in the Detroit Local Section next year when she becomes Treasurer in addition to her continuing support of Career Services, Kids in Chemistry and other outreach programs.

Salutes to Excellence Awards were given to **Emil Lozanov**, of Wayne State University and **Megan Klein**. (see above). Emil is

well known for his many classroom chemistry demonstrations. Salutes to Excellence is an award program that gives ACS members an opportunity to conduct an event within their communities that recognizes the positive impact on everyday life made by a product of chemistry, a practitioner of chemistry, or a place of importance in chemistry.



Mark Benvenuto, Section Chair, (left) presents Salute of Excellence to Emil Lozanov (right)

At the ceremony, the Education Committee also recognized the following **Local Section Distinguished Undergraduate Students**:

Lawrence Technological University (Chem.): **Jacob Billcheck**

Oakland University (Biochem.): **Brooke Gliga**

Oakland University (Chem.): **Jyothi Digambaranath**

University of Detroit Mercy (Biochem.): **Brandon Osmanski**

University of Detroit Mercy (Chem.): **Mary Parker**

University of Michigan-Dearborn (Biochem.): **Zain Rizv**

Wayne State University (Chem.): **Kyriacos Koupparis**

Business Directory

SEARCHING FOR THAT SPECIAL JOB?

There are many companies and organizations searching for chemical and biochemical personnel to fill important jobs in their organizations.

- Companies for laboratory and management positions
- Universities & Colleges for teaching positions and laboratory personnel
- Hospitals for technical and research personnel

There are several web sites that may help you search for these open positions.

- www.mboservices.net/recr_disp.php
- <http://www.detroitsection-acs.org/dsacs12f.htm>
- <http://www.chemistry.org/portal/a/c/s/1/career.html?DOC=careers%5cindex.html>

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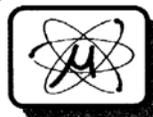
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(50 Year Members continued from page 19)

ing the kinetics of very fast chemical reactions. He returned to Wayne State University in September 1965 and served for many years as head of the Analytical Chemistry Division. In 1984-1986, he also served as an Associate Dean in the College of Liberal Arts. In 1990 he received the President's Award for Excellence in Teaching and in 2002 the Outstanding Graduate Mentor Award. During his 43 years as an active faculty member, he was research advisor to 20 M.S. and 33 Ph.D. students. He and his wife, Beverly, now spend much of their time at their new retirement home in Traverse City.

LEO HOMICZ

Leo Homicz received a B.S. in Chemistry with post-graduate courses in Business Administration from Wayne State University, Detroit, MI.

He started his career at H.A. Montgomery Company, Detroit, MI, as a Quality Control and Development Chemist. He then moved to Illinois where he worked as a Municipal Wastewater and Water Treatment Chemist while furthering his education by attending post-graduate courses in Bio Chemistry at Northwestern University, Chicago, IL.

Most of his professional life was then spent at Chrysler Motor Corporation in Detroit, MI where he held positions of Corosion Engineer, Chemical Development Chemist, Environment Specialist and Senior Development Chemist. While working as a Chemical Development Chemist he developed a laboratory size paint booth and a test procedure for testing of supplier products which resulted in test cost savings of over \$100,000.00 per product. Competitors then fabricated the laboratory booth and used this test procedure as well. He also directed the development of paint deflocculents for an effective paint kill and reduction of maintenance costs. During the first week the savings at one Chrysler plant alone exceeded \$200,000.00.

Leo retired from Chrysler in 1989 and formed his own company which provided consulting services for major corporations. He now enjoys full retirement with interests in family, golf, bowling, computers and travel.

THE MANY FACES OF CHEMISTRY: CELEBRATE THE 20TH ANNIVERSARY OF NATIONAL CHEMISTRY WEEK

This year's celebration of National Chemistry Week, with the theme, "The Many Faces of Chemistry," will be a very special celebration! 2007 marks the 20th anniversary of NCW. The mission of NCW is to reach the public, particularly students, with positive messages about chemistry and to provide a means of effectively mobilizing ACS local sections.

When former ACS President, George Pimentel, conceived the idea of celebrating National Chemistry Day in 1987, he never could have predicted where his idea would lead. From a one-day celebration, National Chemistry Day grew into National Chemistry Week. From a biennial celebration, the celebration became an annual event in 1993. The program has been the recipient of several prestigious public relations and association awards.

Join with ACS this October 21- 27, in this 20th anniversary year of National Chemistry Week to celebrate "The Many Faces of Chemistry," emphasizing the diversity of the discipline and its practitioners.

Our Detroit section will be setting up programs at Cranbrook Science Museum (tentatively on Sunday, October 21 from noon to 4:00 PM) and at the Detroit Science Center. The student affiliate group from University of Detroit-Mercy will be putting on chemistry demonstrations, and we will have several hands-on experiments. This program is a great way to educate the public and have a fun time, too.

Every year we recruit chemists and chemistry students from the Detroit area to volunteer their time. If you are interested in participating, please contact Denise Grimsley by phone at (734) 324-6539 or E-mail at denise.grimsley@basf.com.

Volunteers Needed for Chemistry Day

What: Chemistry Day at Belle Isle!

When: Saturday, November 17, 2007

Where: Belle Isle "Casino" Detroit, Michigan

Time: 8:00 AM – 1:00 PM

The Detroit Section of the American Chemical Society's Minority Affairs Committee is partnering with the Girl Scouts of Metro Detroit for Chemistry Day at Belle Isle. The Girl Scouts will be participating in a community service activity while learning about the fun of chemistry. They will learn about chemistry by doing hands-on experiments and participating in a career game contest with prizes. Through these activities, the Scouts will each earn a National Chemistry Week patch. Registration will be handled directly with the Girl Scouts of Metro Detroit (contact Caroline Feathers at 800-326-0309 Ext. 258). This will be a large program both in terms of Girl Scouts (200 expected) and in terms of volunteers participating (25+).

The chemistry aspect of the day includes hands-on experiments. We will have 6 experiments set up on tables in the Casino. They will include polymer cross-linking (making Gloop), Slime!, and dry ice experiment. Our audience will consist of the Junior Girl Scouts of Metro Detroit.

Megan Klein, Denise Grimsley, and Mary Kay Heidtke will take responsibility for preparing the supplies and setting up the experiments. The community service project will be coordinated by Liz Roberts-Kirchhoff. The career game contest will be developed and organized by Yolanda Watts and Meghann Mouyianis. Mary Kay Heidtke will serve as the overall coordinator for the event. We will need ~20 - 25 additional volunteers to participate in demonstrating the experiments and overseeing the community service project. Our participation is scheduled for Saturday, November 17 from 8:00 AM to 1:00 PM. We would especially welcome women and minority chemists who could help serve as role models for the girls. Your help will be greatly appreciated!

If you are interested in joining some of your fellow chemical professionals in a fun morning of community service, please contact Mary Kay Heidtke at mkheidtke@aol.com or 313-843-7855. A continental breakfast and lunch (pizza) will be provided.

FIFTY YEAR MEMBERS

We encouraged the fifty-year members to share their valuable experiences in chemistry with us. Throughout the remainder of the year we will feature the biographies in The Chemist of these members. Here are three:

KENNETH M. HARMON

I received my BA from San Jose State College in 1954 and my PhD from the University of Washington in 1958. I joined the faculty of Harvey Mudd College that year, when we had only one building (a dorm) and 6 faculty. I remained there for 11 years before fleeing the smog to Michigan and Oakland University, where I remained until semi-retiring in 2001. Throughout my career I carried out research with undergraduates, who coauthored over 100 journal articles on tropylium compounds, ionic organoboranes, and strong hydrogen bonds. Oddly enough, my fondest memories are not exactly professional, but date to the days when I was head honcho of the Genesee Street Irregular Hard Rock Mining and Underground Tapping Society, a group of Oakland science students and faculty that met biweekly for rock dancing in the early "70s.

DAVID B. RORABACHER

David Rorabacher was born in Ypsilanti, Michigan, in 1935 and spent his formative years there. He received his B.S. degree in chemistry from the University of Michigan in 1957 and then spent a two-year stint as a research engineer with the Ford Motor Company at which time he joined the American Chemical Society. In 1959 he entered the chemistry graduate program at Purdue University where he was a National Science Foundation Cooperative Fellow. After receiving his Ph.D. degree in analytical chemistry in 1963, he joined the faculty of the Department of Chemistry at Wayne State University. He then spent the year 1964-65 as a National Institutes of Health postdoctoral fellow in the laboratory of Nobel Laureate Manfred Eigen at the Max Planck Institute for Physical Chemistry in Goettingen, Germany, learning the relaxation techniques developed by Eigen for study-

TAKE A FALL ACS WEBCAST SHORT COURSE

On-time performance of airlines has reached an all-time low and unless there's a sun-drenched beach or a cultural adventure on the other end of that flight, traveling can be more trouble than it's worth. So save your time and money and take a look at the courses available online through ACS. ACS offers a wide variety of webcast short courses and our fall schedule is open for registration now.

ACS Webcast Short Courses provide the same quality training that ACS has long been known for, but, because the courses are presented over the Internet, they offer added convenience and flexibility.

Small Class Sizes and In-Depth Personal Attention – The average class has 10 participants, and our instructors are available by email in-between sessions so you will have ALL your questions answered.

Interactive – We've chosen a great technology that allows you to participate just as in a live class; you can even write on the whiteboard.

Ready when you are – Scheduled class sessions are the best way to get the most out of your experience. But if you miss a session, it's okay. All class sessions are recorded and ready for viewing when you're available.

More Application Time – Instead of getting all the information in a few days, you have time between sessions to apply what you've learned and come back to class with your burning questions. Overall, an extended learning schedule means more impact for you.

There are expanded course offerings in analytical, organic, pharmacology, engineering, toxicology, and other areas. For the full list of Webcast Short Courses and more information, visit <http://chemistry.org/elearning>

2007 Fall Webcast Schedule

- HPLC Basics - Sept 7–Oct 19
- Modern HPLC in Pharmaceutical Analysis - September 11–October 23
- Essentials of Organic Chemistry - Sept 24–Oct 29
- A Pharmacology Primer for Chemists - Sept 4–20
- Chemistry and Action of Therapeutic Drugs - September 4–20
- Gas Chromatography Basics -Sept 7–Oct 19
- Fourier Transform Infrared Spectroscopy -Sept 17–21
- Infrared Spectral Interpretation, Basic - Sept 17–21
- Toxicology for Chemists - Sept 19–Oct 24
- Effective Technical Writing - Sept 24–Oct 29
- Infrared Spectral Interpretation, Intermediate - Oct 1–2
- Infrared Spectral Interpretation, Special Topics -Oct 11–12
- From Beaker to Barrel: Chemical Engineering for Chemists -Oct 12

From the Desk of the Detroit ACS Government Affairs Chairman

July 15, 2007

The Real Inconvenient Truth Money, Politics & Power

Dear fellow lovers of Chemistry. Most scientists in the world, actually, most people in the world, could probably tell you that the salty rock we live on is getting warmer. They could also probably tell you that the main reason for this is human activity associated with the burning of fossil fuels.

This may be the case, but as a scientist and a citizen, I am skeptical of just about all scientific information that is presented from actors, politicians and musicians. I am not saying that they are wrong or that they are not allowed to have views, (they are and they are entitled to promote and profit from them) because that is our system and I enjoy being in a country where we can have our own point of view!

I also enjoy finding out who else believes what and who else thinks that there is an entirely different reason for whatever the issue is. Which way is the political wind blowing and who is paying who? Who is invested in an idea? What is the implication if the data behind the idea is outdated or misinterpreted?

Believe it or not, there are fantastic new studies and data that show that CO₂ and the like play only a minor role in climate change and that the Sun is more likely the main source of global climate change. Who would have thought?! I always wondered why that bright thing in the sky felt as if it were in some way hot and when it was obscured by clouds it did not seem as hot?

Henrik Svenmark, the Director of the Center for Sun-Climate Research in Copenhagen, knows first hand what it feels like to present scientific data that has major political and financial implications. The very brief explanation is that the sun's activity dic-

(Government Affairs, continued from page 7)

tates the amount of high energy particles hitting the upper atmosphere of our planet. This level of activity is directly proportional to the amount of upper level cloud formation which is directly related to the amount of sunlight that reaches the earth. You may also visit:

<http://discovermagazine.com/2007/jul/the-discover-interview-henrik-svenmark>

and read the entire article for yourself (and hopefully many other articles) and make up your own mind.

The political backlash against his research has been fast and furious. The Chairman of the UN Intergovernmental Panel on Climate Change called his findings, "extremely naïve and irresponsible". He did not elaborate on why he felt this way. What is so naïve about the sun making something warm?

There is big money in entertainment, politics, scientific research and university funding, going as far as winning an Oscar and exerting power over others. I am not trying to change what you believe about climate change or set myself up as a self proclaimed expert. I just don't like sacred cows and I am encouraging you to seek contrarian views on whatever the issue is, even if the data is inconvenient to your deeply held views. A great example of something like this would be those folks years ago who were devoted to the "phlogiston" theory of chemical reactions or that Newtonian Mechanics could explain the entire workings of the universe. They both proved to be useful starting points but extremely limited if all other work would have been halted.

Science and scientific data can be a helpful tool to guide our beliefs and actions only if we keep the door open to new information and continually challenge our working assumptions against the latest information. This requires courage and humility, particularly when it shakes the very foundation of your view of the world.

Truly Yours in Chemistry,

Kevin J. O'Mara

CHEMICAL ANALYSIS, THE LAW, AND CREDIBILITY

The October Section Meeting will be Tuesday, October 9 by Charles Deak. Please look for details on the time and location in the October Chemist

Abstract Chemistry is a science that is not well understood by lay people, they do not understand how a chemist can determine the composition of a substance. In many of the other sciences there is some visible evidence, such as a photograph or the actual piece to back up the scientists opinion, but we, as analytical chemists, can not "show" anything tangible, they "just have to take our word for it", in other words, it all depends on our "credibility"! The paper discusses what these factors are that affect the credibility of analytical chemist, and what we can do to increase this "credibility". The author discusses these factors and goes through them, point by point, and gives practical examples, avoiding technical jargons. The paper is intended for analytical chemists, chemists who deal with non-chemist, technical experts who have to testify in court, professors of chemistry, chemistry students, and also lay people who deal with chemists or chemical analyses, such as technical managers, or attorneys.

Charles Deak earned his bachelor's degree in 1948 in Budapest, Hungary. After spending several years at Paris at the Sorbonne and working on the development of chemical fire-fighting agents, he immigrated to the United States in 1955. Mr. Deak developed analytical procedures for the analysis of secondary metals and alloys. He established and became manager of Analytical Associates in 1973 and its president when it was incorporated in 1979. He specializes in chemical analysis of aerospace metals such as titanium, nickel, and cobalt base superalloys with emphasis on the determination of trace level impurities in these metals and the investigation of failures of metals. He regularly performs forensic and criminalistic testing and has testified as an expert witness in criminal and civil trials in both state and federal courts. He retired after 35 years with Analytical Associates, Inc., and its parent company in 1992 and started C. K. Deak Technical Services, Inc., where he performs consulting and forensic testing.

(Super Sorting Challenge, continued from page 15)

7. Now fill the cake pan with water. Take the screen with the remaining objects on it and dip it into the water so that the screen touches the bottom of the pan. Pick off any floating materials and put them in a third pile. Record these items.
8. Now lift the screen and put the remaining objects in a fourth pile. Record these items.
9. Thoroughly clean the work area and wash your hands.

Where's the Chemistry? Materials have different chemical and physical properties that make them easy to separate. Recycling plants use machines that vibrate to sort paper from wood and cardboard. They use magnets to pull out tin and steel that is mixed with aluminum and plastic. Paper, glass, plastic, and metal each has its own chemical make-up and its own way of being recycled. It is important that each is separated from the other items before recycling. Paper is cut up, bleached and pulped. Some metals can be picked up by magnets and other metals cannot. Some materials are attracted to each other because of static electricity, which involves positive and negative charges. The hollow plastic straw pieces float because they spread their weight out and can float on the water's "skin." This skin forms because water tends to stick to itself, which is called cohesion. Materials with properties that are alike get cleaned, cut up, melted down and then made into new products. Some recycling plants are starting to use these different properties to help them sort out materials. They make machines to separate out recyclable materials just like you did but their process is on bigger scale!

Be sure to do this activity with an adult! Reuse/recycle as many of the materials as possible! Check your reuse/recycle plans with your adult lab partner first.

Reference:

American Chemical Society's website for kids (updated 5/10/07), see "Milli's Super Sorting Challenge", at:

http://acswebcontent.acs.org/celebrate_chemistry/2007/MillisSortingChallenge.pdf

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A NOTE FROM THE EDITOR

Kevin O'Mara, our Government Affairs Chair, has presented a series of "From the Desk" letters recently. In them, he has commented on controversial issues that effect our profession. Others may disagree with his opinions. We welcome comments on his or other articles in the Detroit Chemist and will publish well written and reasoned comments in the future in a new Letters column. We are also always interested in announcements or articles of interests to Chemical Professionals in the metropolitan area. If you would like to submit a letter of comment or article to the Detroit Chemist, please call 248-577-2217 or email:

jim.landis@us.henkel.com

Rachel Badanowski: An Excellent High School Teacher

The Detroit Local Section of the ACS Education Committee is pleased to announce that Rachel Badanowski (Southfield High School) received the 2007 ACS Division of Chemical Education Central Region Award for Excellence in High School Teaching. The award was given to Rachel on Sunday May 20 at the Central Regional Meeting of the ACS (CERMACS) in Covington, KY,

Rachel completed her undergraduate training at Wayne State University and her graduate training at the University of Michigan and Eastern Michigan University. The first half of Rachel's chemistry teaching career was in the Detroit Public School (DPS) system at Redford High School where she was recognized in 1994 with the Booker T. Washington Award for her service to students, school, and community. Realizing her gift for teaching science, DPS made Rachel a Science Instructional Specialist, allowing her to share her expertise with K-12 science teachers throughout the district.

The second half of Rachel's career has been at Southfield High School where she has taught chemistry, chemistry in the com-

(Rachel Badanowski, continued from page 9)

munity, and forensic science. She is presently teaching honors chemistry and Advanced Placement Chemistry. Teaching chemistry directly has not been her only service to the students. She has served as judge at many Science Olympiads and fairs. Rachel has also developed forensics programs for K-12 students in Oakland Schools, Port Huron Public Schools, Detroit Public Schools, and Southfield Public Schools. Her interest in forensics was piqued by her attendance at many autopsies when she was research assistant in pediatric pathology before beginning her teaching career. This, as well as her past experiences in microbiology and nuclear medicine, brings an added, interesting edge to her teaching.

While teaching at Southfield High School, Rachel has fledged seven student teachers and has served as mentor to many beginning teachers. This includes mentoring in both official and unofficial capacities. She has contributed to the greater teaching community as an adjunct faculty member of Wayne State University, where for several years she taught graduate science methods classes for both elementary and secondary education students.

Not satisfied with the limited financial classroom support afforded by today's cash-strapped public school systems, Rachel has won many grants over the years. She has accomplished this individually for her classes and jointly with other teachers for her school as a whole. Her prolific grant writing has made her so adept and recognized that she frequently gives presentations at association meetings on grant-writing.

She has won grant support from the Metropolitan Detroit Science Teacher Association, State of Michigan NextDay Technology Grant, Southfield Community Foundation, Detroit Edison Energy Grant, EDS Grant, Inspiration Grant, First of America FirstGrant, State of Michigan Teacher Grants, Wayne County Regional Educational Service Agency Grants, Waste Management Systems Grant and New Detroit Grant, DPS Gifted and Talented Grants.

Rachel's service to students and teachers within the Oakland Schools Intermediate District, including her ability to obtain money, was recognized in 2000 when she was selected as the

(Continued on page 11)

Page 10

SUPER SORTING CHALLENGE

The Elementary Education Committee of the ACS Chicago Section presents this column. They hope that it will reach young children and help increase their science literacy. Please share with children and local teachers.

Kids, how do you think recyclers separate all that stuff they get in their bins? Materials can be grouped or separated by how they look and/or by the material of which they are made. These qualities are called properties of the materials. Some recyclers use special properties of materials to group recyclables. In this activity, you will separate materials based on their special properties.

You will need: a magnet, a plastic straw or coffee stirrer, blunt-end scissors, metric ruler, 1 latex balloon, 1 square of aluminum foil (5 x 5 centimeters), 1 square of paper towel (5 x 5 centimeters, cm), 5 small metal paper clips, 1 piece of window screening (20 x 30 cm), and a rectangular cake pan (about 32 x 23 x 5 cm).

Here is what to do:

1. Cut the plastic straw into five pieces (any size) using the scissors.
2. Cut or tear the aluminum foil and the paper towel into 5 pieces each (any size).
3. Roll each piece of paper towel into a ball between your thumb and index finger.
4. Place the pieces of straw, aluminum foil, paper towel, and the paper clips together in a pile on the screen.
5. Move the magnet through the pile (you may need to bring it very close to the objects). Put any objects picked up by the magnet aside in a pile. Record the objects picked up.
6. Inflate the balloon and tie it closed (your adult lab partner may need to help you). Rub the balloon back and forth on your hair. Hold the balloon close to the pile and see what happens to the objects. Put everything that is attracted to the balloon in a second pile. Record these items.

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unteers participating in the programs cited above. Several programs appear on our fall schedule. These programs include the Rouge Water Program at Cranbrook Science Museum on September 12th or 13th, our annual National Chemistry Week program at Cranbrook Science Museum on Sunday, October 21, and our third annual Girl Scout event at Belle Isle on Saturday November 17th (details appear elsewhere in this issue). If you are on our Kids & Chemistry e-mail list, you will receive more information on these programs as it becomes available. To join the list, send your name and address to wsiegl@sbcglobal.net; we are always looking for new volunteers.

Submitted by Walter Siegl

Championship Rings for a Champion Section:

AMERICAN CHEMICAL SOCIETY

LGB1 (Classic Double Cross Finger Cushion): 10K Yellow Gold, Fire Blue Spinel Stone with No Ornamentation.

\$119.00 - white lustrium (men's & women's)
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Contact: Cindy Johnson 1-800-854-7464, ext. 6634 cindy.johnson@jostens.com

This artwork is a rendering and your finished ring may vary in appearance.

(Rachel Badanowski, continued from page 10)

Newsweek/WDIV Outstanding High School Teacher for Oakland County.

Rachel has been very active in the greater teaching community as an active member of numerous teaching organizations (including the Metropolitan Detroit Science Teachers Association (MDSTA), Michigan Science Teachers Association, National Science Teachers Association, Michigan Science Leaders Association, Michigan Earth Science Teachers Association, Population Connection, North Central Accreditation, Southfield Public Schools, Detroit Public Schools and Michigan Earth Science Teachers Association), presenting science content and science education topics at conventions, in-services, and workshops. Rachel has been a perennial presenter at the MDSTA annual meeting and active behind the scenes in various committees at the MDSTA. Her efforts were recognized by an MDSTA Distinguished Service Award in 1999.

COME WATCH THE GAME

Are you interested in getting together with friends and pals of the local ACS section, just for a fun evening? Just for a social event? If so, how about coming to the University of Detroit Mercy, at McNichols and Livernois, for an evening basketball game? Many of the home games that are played on week nights start at 7:05 p. m. and are done early enough to get the kids home and in bed on time. The Detroit Titans schedule hasn't been posted yet, but section member Mark Benvenuto is talking with folks at the Titans head office to see if he can get a block of tickets for one of the home games in November or December. With a little luck, there won't be any cost at all.

If you're interested, please e-mail Mark at:

benvenma@udmercy.edu

He'll keep a list of people who want to attend, and e-mail a date as soon as he has it.



News from Kids & Chemistry

Late spring and early summer represent one of the busiest times on the Kids & Chemistry calendar; we have three successful programs to report on. Also, we are again pleased to report that the Detroit Kids & Chemistry program has been named as a finalist (one of only two) for the Outstanding Kids & Chem-

istry Program of 2006. We have been named a finalist each year (at least six or seven) that the award has been given. Thanks to the support of our many volunteers, this has been consistently the best Kids & Chemistry program in the country.

First, we thank all of you who helped with the Rouge River Water Festival program on May 3rd at the University of Michigan-Dearborn. We hosted 10 classes of fifth graders with a total of 270 students, the largest number in several years. We received positive feedback from both kids and teachers. Felix Schneider and Gina Ludwig, our program organizers, report that one teacher mentioned that she had been bringing her class for the last 5 years and that our presentation was always the best. We are grateful to the following volunteers who helped: Felix Schneider (USFDA, retd), Gina Ludwig (Henkel), Emil Lozanov (WSU), Ron Schroeder (WSU, retd), Walt Meiers (DTE, retd), Angela Allen (UofM-D), Ted Bierman (Madonna U.), Nikki Heinz (Kelly Serv.), Geof Brieger (Oakland U., retd), Inge Brieger (Oakland CCC, retd), Annise Goodman (Pfizer), Lisa Marcolina (BASF Wyandotte), Don Ray (Ford/Visteon, retd), Walter Siegl (Ford, retd), Joanna Szajnar (Cranbrook Sci. Museum), Zora Longworth (UofM Med School), and Peter Warner (WSU).

Second, we were involved in a very successful new event on May 16th in Farmington Hills at the Highmeadow Common Campus elementary school. While the evening was set up to showcase the students' science fair projects, for many the highlight of the evening was attending the chemical magic show and engaging in the

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Kids & Chemistry hands-on activities. We had about 200 kids and were busy non-stop the entire evening. Our four hands-on experiments were a big hit with both the kids and the parents. The principal and several of the parents have already asked if we can come back next year. It is a great compliment to the group of volunteers who assisted in making the program a success! Emil Lozanov (WSU) put on one of his always popular chemical magic shows for half of the kids while the other half participated in the hands-on experiments, and then the groups switched roles. We also handed out chemistry bracelets, mini-moles, pencils, and periodic tables. Our group of volunteers included: Mary Kay Heidtke (Magni Industries), Megan Klein (Ash Stevens), Gina Ludwig (Henkel), Angela Allen (UofM-D), Joanna Szajnar (Cranbrook Institute), Charlene Hayden (GM Research), Walt Meiers (DTE Energy – retd), Irina Pala (WSU), Walter Siegl (Ford-retd), Rebecca Monroe (chemical engineer), Jennifer Spartz (embryologist), and Shane Palmer (mechanical engineer). Special thanks go to Mary Kay Heidtke who, with help from Gina Ludwig and Megan Klein, did a great job in organizing the event.

Finally, on the 7th of July, we held our 11th annual program at the Comerica CityFest. We ran 3 hands-on experiments at our booth for an estimated 250 visitors. The kids (and parents) had lots of fun. In addition to the hands-on activities, we passed out pencils, chemistry bracelets, and copies of Wonder Science magazine. We thank our team of volunteers which included: Mary Kay Heidtke (Magni Ind.), Gina Ludwig (Henkel), Felix Schneider (US FDA, ret.), Walter Siegl (Ford/UofMD), Denise Grimsley (BASF), Meghann Mouyianis (Uof D-M), Charles Deak (C. K. Deak, Inc), Ted Biermann (Madonna), Angela & Brittany Allen (UofM-D), Emil Lozanov (WSU), Matt Mio (U of D-M), Megan Klein (Ash Stevens), Yolanda Watts (BASF), Tom Ott (Oakland CCC), Dave Gzesh (Henkel), Tiffany Gaines (teacher, Thurston HS) and John Heidtke (social worker).

Particularly pleasing to us was that we had several first-time vol-

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