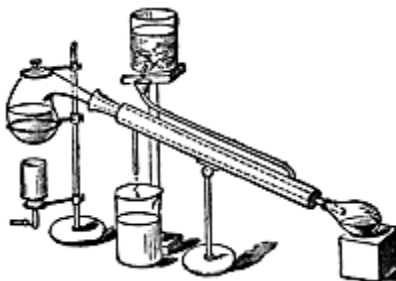




SOUTHWEST RETORT



SIXTY-FOURTH YEAR

JANUARY 2012

*Published for the advancement of
Chemists, Chemical Engineers
and Chemistry in this area*

published by

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EMPLOYMENT CLEARING HOUSE

The **RETORT** is including this new section free of charge for DFW Section members and those seeking employment in the area. Job applicants should send name, email, and phone, along with type of position and geographical area desired; employers may contact job applicants directly. If you have an opening, send your listing, including contact info for your company, to retort@acsdfw.org. Deadlines are the 7th of each month.



Seeking employment:

Laboratory technician full-time DFW area: Recent graduate with experience in chem, organic, and environmental chem labs looking for full time lab tech work in the DFW area. Takes and executes

instructions quickly, efficiently, and effectively.

Will Colbert, colbertw@gmail.com, 832-217-6975



FIFTY YEARS AGO IN *THE SOUTHWEST RETORT*

JANUARY 1962

contributed by Dr. Tom Strom

The January ACS tour speakers are **Dr. Norman Hackerman**, Vice President and Provost of the University of Texas (*now UT-Austin*), speaking on "Molecular Structure and Organic Corrosion Inhibitors," and **Dr. James R. Fair**, Monsanto Chem. Co. in St. Louis, speaking on "New Developments in Distillation Technology."

The ACS Southwest Regional Meeting for the next four years is as follows: 1962, Dallas; 1963, Houston; 1964, Shreveport; and 1965, Memphis. The Manufacturing Chemists' Association has announced nominations are now being accepted for six outstanding college chemistry teachers throughout the US and Canada.

T. S. Burkhalter from Texas Instruments (TI), Past-Chairman of the D-FW ACS Section, was elected Vice President of the Physical Sciences Section of the Texas Academy of Science. Dr. Burkhalter attended the ACS Regional Meeting in New Orleans. Others attending from TI were **P. F. Kane, Rowland Johnson,** and **Richard Ashmore.**

Mrs. Joy Terry from Tarleton State College spoke to the juniors and seniors

at Weatherford High School on Dec. 8.

Faculty from North Texas State University (*now UNT*) attending the Welch Conference Dec. 4-6 in Houston were **Drs. Escue, Glaze, Thompson, and Schimelpfenig.** **Drs. Carrico, Truitt,** and **Glaze** also attended the Texas Academy of Science Meeting in Galveston.

Several Baylor chemistry faculty attended the local section ACS meeting held in College Station to hear tour speaker **George H. Cady.** They were **John S. Belew, Leone H. Cockerell, Thomas C. Franklin, Charles E. Reeder,** and **Virgil S. Tweedie** plus graduate students **David Hoiness** and **Philip Hwang.**

The membership committee of the University of Arkansas ACS Section reports that it has concluded a successful recruiting campaign with the addition of about 15 members, which presents an increase of 20% in total membership. **Dr. Paul Kuroda's** group, with support from NSF, has acquired a Reynolds Mass Spectrometer from Atomic Laboratories, Inc., Berkeley, CA.

22 Ti 47.867	23 V 50.942	24 Cr 51.996	25 Mn 54.938	26 Fe 55.845	27 Co 58.933	28 Ni 58.69	29 Cu 63.546	30 Zn 65.38	31 Ga 69.723	32 Ge 72.64	33 As 74.922	34 Se 78.96	35 Br 79.904
40 Zr 91.224	41 Nb 92.906	42 Mo 95.94	43 Tc (98)	44 Ru 101.07	45 Rh 101.07	46 Pd 106.36	47 Ag 107.87	48 Cd 112.411	49 In 114.818	50 Sn 118.71	51 Sb 121.76	52 Te 127.60	53 I 126.90
72 Hf 178.49	73 Ta 180.95	74 W 183.84	75 Re 186.207	76 Os 190.23	77 Ir 192.222	78 Pt 195.084	79 Au 196.967	80 Hg 200.59	81 Tl 204.384	82 Pb 207.2	83 Bi 208.98	84 Po (209)	85 At (210)
104 Rf (261)	105 Db (262)	106 Sg (266)	107 Bh (264)	108 Hs (265)	109 Mt (268)	110 Ds (271)	111 Rg (272)	112 Cn (285)	113 Nh (286)	114 Uuq (289)			

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WWW.ANA-LAB.COM

Toasting the Chemistry of Champagne

from the American Chemical Society



Just in time for those New Year's Eve toasts, which might include a farewell to the International Year of Chemistry, the ACS

has posted online a video on the chemistry of champagne. The latest addition to the award-winning Bytesize Science series from the American Chemical Society (ACS) is available at www.BytesizeScience.com.

Champagne, unlike other wines, undergoes a second fermentation in the bottle to trap carbon dioxide gas, which dissolves into the wine and forms the fabled bubbles in the bubbly. More than 600 different chemical compounds join carbon dioxide in champagne, each lending its own unique quality to the aroma and flavor of champagne.



But even with all that flavor, champagne would be just another white wine without those tiny bubbles. As the bubbles ascend the length of a glass in tiny trains, they drag along molecules

of those 600 flavor and aroma substances. They literally explode out of the surface as the bubbles burst, tickling the nose and stimulating the senses.

Some accounts say that a French Benedictine monk named Dom Pierre Pérignon discovered champagne in the mid-1600s, and became namesake for the famous champagne cuvée, Dom Pérignon. Early champagne makers had a tough time with that second fermentation. Some bottles wound up with no bubbles at all, but others got too much carbon dioxide and exploded under the enormous pressure.

So what's the best way to pour a glass of bubbly and maximize the sensory experience?

For an answer, look at the study recently published in the *Journal of Agricultural and Food Chemistry* (On the Losses of Dissolved CO₂ during Champagne Serving, Liger-Belair *et al.*, *J. Agric. Food Chem.*, 2010, 58 (15), pp 8768–8775). Pouring champagne on an angle retains up to twice as much carbon dioxide in the champagne when compared to pouring down the middle of the glass. Those additional bubbles carry out more of the hundreds of flavor compounds in champagne.

AROUND-THE-AREA



In Memorium: Tony Ostroff. Longtime ACS member **Dr. Anton Gene “Tony” Ostroff** died Dec. 28, 2011, at age 86. Tony Ostroff was born in

Moline, IL, on Nov. 6, 1925. He grew up in Silvis, IL, and attended East Moline High School. He joined the Army Air Force out of high school during World War II. He was an air crew member of the 15th Air Force, 461st Bomb Group and 767th Bomb Squadron stationed in Italy. Tony flew 19 missions as a nose gunner and received two Air Medals.

After his service, he attended Augustana College in Illinois, receiving a bachelor’s degree in chemistry. He then received a teaching assistantship at SMU, where he obtained a master’s degree in chemistry. He joined Mobil in Dallas, and in 1954 he married Nancy Crosby. He returned to graduate school, this time at the University of Iowa, where he received a Ph.D. in inorganic chemistry. He then came back to Mobil, working there a total of 32 years. He retired in 1984 as

Manager of the Analytical Services Group.

He authored a book on “Introduction to Oilfield Water Technology” and a well-received series of articles on “Understanding and Controlling Oilfield Corrosion.”

After retirement, he briefly taught chemistry at Mountain View Community College and consulted on corrosion and oilfield water problems.

Tony was a 58-year member of ACS. He is survived by his wife Nancy and children Greg Ostroff and Ginny Johnson as well as grandchildren Tommy, Lauren, Andrew, Elizabeth, Katherine, and Kristin. His daughter Ellen Hooker preceded him in death. Burial took place Jan. 2 at the Dallas-Fort Worth National Cemetery. Your former editor, Tom Strom, worked in the same group at Mobil with Tony for a number of years and can testify that Tony was an outstanding chemist and an even finer person. He will be missed.

contributed by Dr. Tom Strom

Around the Area cont.

UTA Chemistry & Biochemistry Society Initiates Scholarship

In an amazing accomplishment for a student group, members of the UT-Arlington Chemistry and Biochemistry Society have made an initial \$10,000 contribution to the University to support a scholarship for future students. The group's goal is to raise a total of \$25,000 by 2016. This total will be then be matched through the Maverick Match Program to fund the new scholarship. It will be given annually to the UTA chemistry and biochemistry undergraduate student who best exemplifies excellence in his or her commitment to and performance in the chemical sciences. Kudos go to this student group and their officers, including **Catrina Campbell, Chris Parikh, Merin Philip, and Andy Seal**, for tackling such an ambitious project, one that will benefit future students.

UTA

The Office of Graduate Studies of UT-Arlington and the Institute of Chemistry-Ceylon have organized two international symposia in Sri Lanka:

the First Annual International Symposium on Drug Discovery and the Felicitation Symposium for Professor J. N. Oleap Fernando, held in Jan in Columbo, in Central Sri Lanka.

Among the international group of speakers were Drs. **Roshan Perera, Kevin Schug, Frank Foss, and Brad Pierce** of UT-Arlington. Dr. Perera and Dr. **Nirmali Wickramarathne** were in charge of planning and preparation for the symposia. Dr. Perera presented his talk on site, while Drs. Schug, Foss, and Pierce participated via the web through Adobe Connect.

DFW

Kirby Drake has been named as a partner in her law firm, Klemchuk Kubasta LLC. She graduated from Duke University with a BS in chemistry



and received her Juris Doctor from Wake Forest University. She is the Treasurer of the DFW Section of the ACS and business manager of the Southwest Retort.

DFW cont.

IF YOU HAVEN'T SIGNED UP, DO IT NOW!

Judges needed for Regional Science and Engineering Fair

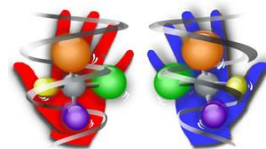
Judges are needed for the 2012 Beal Bank Dallas Regional Science and Engineering Fair on Saturday, February 25, 2012, in Fair Park, Dallas. The fair is both a high quality competition and an exhibition for the best middle and high school research projects in the north Texas region; nearly one thousand exhibitors are expected. To get more information, check the judges' page at drsef.org. If you cannot find the answer there, email specific questions to scifair@physics.smu.edu.

CHIRALITY CONFERENCE



Since 1980, the leading international conference on all aspects of chirality (chemical, pharmaceutical, physical and biological) has alternated among the U.S., Europe and Asia. In June 2012, this symposium, the *24th International Symposium on Chiral Discrimination*, will take place in Fort Worth (www.chirality2012.com). Hosting this prestigious meeting is a great honor; it was facilitated by two of our local chemists, Robert A. Welch Professor *Daniel Armstrong* and

Associate Professor *Kevin Schug* (*handy sorts, wouldn't you say...?*).



Among the plenary lecturers is Nobel Laureate, *E. J. Corey*, who will have a book signing as well. Past ACS President *Ronald Breslow* will speak on the origins of chirality in our solar system.

The *International Chirality Medal* will be awarded to a distinguished scientist, who will give an address (past winners include: Vladimir Prelog, Koji Nakanishi, Barry Sharpless, Kurt Mislow, Meir Lahav and Ryoji Noyori, among others).

Awards will be presented for the best posters in all areas of research involving chirality.

A special session on chiral drug development in the pharmaceutical industry will be featured. Also, the pharmaceutical industry, which is highly dependent on separations, synthesis and all forms of spectroscopy, will be holding a job/employment forum.

Short courses will be offered on:
Enantiomeric Separations,
Spectroscopic Methods for
Determining Absolute Configuration,

and Chiral NMR Shift Reagents, Mechanism and Use.

The social program will include a rodeo (Saturday night), the conference dinner at Billy Bob's (the world's largest



Honky Tonk), a Texas Rangers baseball game (Wednesday night), visits to the Kimbell

Museum (home to the only Michelangelo painting in the Western Hemisphere) and the Amon Carter



Museum of American Art. Of course, Sundance Square in

Fort Worth is a great social hub where there is an eclectic mix of restaurants, comedy clubs, nightclubs and more, all within walking distance.

University of Arkansas

Distinguished Professor Emeritus **Lothar Schäfer** was featured on Deepak Chopra Radio Nov. 22. The segment "Quantum Reality and Cosmic Consciousness" focused on the revolution and world view of physics caused by quantum phenomenon.

Research from the **Heyes** group and colleagues from McGill University "*Probing the 'Dark' Fraction of Core-Shell Quantum Dots by Ensemble and Single Particle pH-Dependent Spectroscopy,*" was published in the journal *ACS Nano* (N. Durisic, A. G. Godin, D. Walters, P. Grutter, P. W. Wiseman, and C. D. Heyes. *ACS Nano*, (2011), 5, 9062-9073).

Research by the Zheng lab, "*Intermolecular [3+2] Cycloaddition of Cyclopropylamines with Olefins by Visible-Light Photocatalysis,*" authored by **Soumitra Maity, Mingzhao Zhu, Ryan Spencer Shinabery and Nan Zheng**, has been accepted for publication by *Angewandte Chemie*.

Colin Heyes will present a seminar, "*Single Molecule Spectroscopy of Nanomaterial and Biomolecules: To the Average and Beyond...*," Dec. 1 at The University of The Ozarks.

Nan Zheng and graduate student **Mack Clements** presented "*The Use of Visible Light Photocatalysis for Amine Synthesis*" at Henderson State University, Oct. 2011.



NOMINATIONS STILL NEEDED!



Doherty and Schulz

Awards:

Nominations are invited for the 2012 Wilfred T. Doherty and Werner Schulz awards.

Nomination forms are available online at

acsdfw.org. This year's chair is **Dr. Claire Bambrough**, Brookhaven College, (972)-860-4214 (email **cbambrough@dcccd.edu**).

Nominations are due by April 15.

Each nomination should contain a cover letter highlighting the nominee's accomplishments; seconding letters may accompany nominations.

Nominations remain active for five years but should be updated annually.

The **Doherty Award** is given for excellence in chemical research or chemistry teaching, meritorious service to ACS, establishment of a new chemical industry, solution of pollution problems, and advances in curative or preventive chemotherapy. Nominees may come from industry, academia, government, or small business. The nominee should be a resident member in the area served by the DFW Section, and the work should have been done here. The award is \$1500 and an engraved plaque. A photo of the Doherty Award winner will be displayed permanently in the Gallery of

Doherty Award winners, Berkner Hall, UT-Dallas.

The **Schulz Award** is given to high school chemistry teachers, who, like the late Dr. Werner Schulz, bring that something extra to the teaching of chemistry. The nominee and/or nominator need not be ACS members. Nominees should show excellence in chemistry teaching as demonstrated by testimonials from students and fellow teachers, results in student competitions, and diligence in updating and expanding scientific/teaching credentials. A photo of the Schulz Award winner will be displayed for one month at the Science Place in Dallas, and then be displayed permanently in the Gallery of Schulz Award winners, Science Bldg., Tarleton State University. A traveling plaque stays at the winner's high school for the year of the award. Winners will normally receive their awards and give their lectures at fall meetings of the section.

Remember, a continuous flow of nominations is needed to maintain the quality of awards!

FIVE QUESTIONS FOR.....

We hope you enjoy this new SW Retort Section, "5 Questions For...," in which local section members will answer 5 questions designed to give us a glimpse into their experiences and careers in the sciences. To volunteer to be interviewed, e-mail to retort@acsdfw.org.

Our first volunteer is **Dr. Mary E. Anderson**, Associate Professor of Chemistry and Biochemistry at Texas Women's University. ACS Activities: Alternate Councilor of the DFW Local Section, Past Section Chair

1) How old were you when you realized you wanted to be a scientist?



When I was about 10, I got one of those chemistry sets and had fun; most of what was in it would

probably not be sold today!

2) What event first triggered your interest in science?

I did not know that I would be a scientist until college. At Hollins College, I had a professor who had been on the Manhattan Project, Ralph Steinhardt; his excitement about experiments had a big influence on me.

3) What's your favorite thing about chemistry?

What I love about Chemistry: experiments-asking questions and designing experiments to answer them,

and traveling the world talking science.

4) Something you don't like?

What I do not like: paperwork, and more paperwork--so much is just a waste of time. Second, people who treat you differently because you are a chemist, or because you are a woman chemist.

5) Who is your science hero or heroine? and why?

One: Maude Menton, who co-authored work on the Michaelis-Menton equation for enzyme kinetics (about 1910);



Two: All of the little-known scientists who do experiments and seek answers to questions. They are the ones who make new products, design new drugsthey change the world!

Thank you, Dr. Anderson, for your interesting remarks!

Dried licorice root fights the bacteria that cause tooth decay and gum disease

Scientists are reporting identification of two substances in licorice — used extensively in Chinese traditional medicine — that kill the major bacteria responsible for tooth decay and gum disease, the leading causes of tooth loss in children and adults.

In a study in the *Journal of Natural Products*, they say that these substances could have a role in treating and preventing tooth decay and gum disease (“*Isoflavonoids and Coumarins from Glycyrrhiza uralensis: Antibacterial Activity against Oral Pathogens and Conversion of Isoflavans into Isoflavan-Quinones during Purification*,” from the *Journal of Natural Products*, Stefan Gafner *et al.*, 2011, 74 (12), pp 2514–251).



Stefan Gafner and colleagues explain that the dried root of the licorice plant is a common treatment in Chinese traditional medicine, especially as a way to enhance the

activity of other herbal ingredients or as a flavoring. Despite the popularity of licorice candy in the U.S., licorice root has been replaced in domestic candy with anise oil, which has a similar flavor. Traditional medical practitioners use dried licorice root to treat various

ailments, such as respiratory and digestive problems, but few modern scientific studies address whether licorice really works. (Consumers should check with their health care provider before taking licorice root because it can have undesirable effects and interactions with prescription drugs.) To test whether the sweet root could combat the bacteria that cause gum disease and cavities, the researchers took a closer look at various substances in licorice.



They found that two of the licorice compounds, licoricidin and licorisoflavan A, were the most effective antibacterial substances. These substances killed two of the major bacteria responsible for dental cavities and two of the bacteria that promote gum disease. One of the compounds — licoricidin — also killed a third gum disease bacterium. The researchers say that these substances could treat or even prevent oral infections.





PRINT AND POST !

**January 2012
DFW ACS Meeting**

MEET DFW'S NEW YOUNG INVESTIGATORS

Learn about exciting research in the DFW Section

Saturday, January 28, 2012, 9 A.M. to 2 P.M.
Sid Richardson Building, Texas Christian University, Fort Worth, Texas

Updates and details on registration, directions, and parking will be posted at
<http://faculty.smu.edu/pwisian/Jan2012.htm>

Speakers

Frank W. Foss, UTA

Peter Kroll, UTA

John MacMillan, UTSW

Rob Petros, UNT

Rosham Perera, UTA

Brad Pierce, UTA

Youngha Rhu, TCU

Mihaela C. Stefan, UTD

Justin Youngblood, UNT

Jie Zheng, UTD

POSTDOCTORAL RESEARCH ASSOCIATES

All postdocs from the DFW section are invited to present a poster on their current research from noon to 2:00 or 3:00 pm. This is an excellent opportunity to network in the local section, to meet local academic and industry leaders, and/or develop collaborative research projects. Please send your name, email address, a descriptive title, authors, and affiliation to Patty Wisian-Neilson at wisian@smu.edu by Tuesday, January 24, 2012. Posters will be pinned to 2 x 6 foot poster boards.

January DFW ACS Meeting cont.

PROGRAM: Meet DFW's New Young Investigators

Saturday, January 28, 2012

Sid Richardson Science Building, Texas Christian University, Fort Worth, Texas

- 8:55 A.M. *Opening Remarks*
- 9:00 A.M. **Frank W. Foss**, UTA
Biomimetic Catalysis: Mechanism of Nucleophilic Flavin Oxidations
- 9:20 A.M. **Brad S. Pierce**, UTA *TBA*
- 9:40 A.M. **Jie Zheng**, UTD
Synthesis of Marine Natural Products
- 10:00 A.M. **John B. MacMillan**, UT Southwestern
An Integrated Chemical and Genetic Approach to Discovery of Microbial Natural Products and their Mechanism of Action
- 10:20 A.M. *Break*
- 10:35 A.M. **Justin Youngblood**, UNT *TBA*
- 10:55 A.M. **Youngha Ryu**, TCU
Context-dependent N-terminal Acetylation of Recombinant Proteins in E. coli
- 11:15 A.M. **Rob Petros**, UNT *TBA*
- 11:35 A.M. **Roshan Perera**, UTA
Bioengineering of Monooxygenases: Implications for Hydrocarbon Oxidation
- 11:55 A.M. **Mihaela Iovu Stefan**, UTD
Synthesis and Self-Assembly of Amphiphilic Aliphatic Polyesters
- 12:15 P.M. **Peter Kroll**, UTA
Li Insertion in SiCO Ceramics: Computational Explorations of Favorable Anode Materials
- 12:35 P.M. *Lunch and Posters* by **Postdoctoral Researchers**

**February 2012
DFW ACS Meeting**

US BUREAU OF ENGRAVING AND PRINTING

Fort Worth Western Currency Facility



Carol Riggs from the US Bureau of Engraving and Printing will present to us the process of printing US currency, as well as the history of the Fort Worth Western Currency Facility.

Time and place (somewhere in Fort Worth) to be announced via email

and at *acsdfw.org*

Contributors wanted!

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March 2012
DFW ACS Meeting
presents
INAUGURAL INDUSTRY AND SMALL BUSINESS
MEETING

Saturday, March 24th, 2012

John G. Mahler Building's Great Hall, Dallas Baptist University

!! We are looking for companies interested in presenting via an oral presentation or sponsoring a table !!

Meeting Objectives:

- 1) Provide a platform for industry in the North Texas region to share what they are doing and/or the products that they provide.
- 2) Spur on collaboration with each other and/or academia in the area.
- 3) Provide a platform for current students (post-docs, graduates, and undergraduates) to see what companies are in the area and to begin networking for potential jobs.
- 4) Though it will not be a job fair, the networking aspects of it will certainly help current members in the section who are unemployed or about to enter the job market, while simultaneously helping our local companies find strong competent potential employees loyal to North Texas.
- 5) Provide a potential fund-raising activity for the local section to continue offering chemistry scholarships, awarding excellent high school teachers and professional chemists, and sponsoring chemistry oriented activities such as this year's National Chemistry Week activities at the Fort Worth Museum of Science and History, where over 3,000 people participated in chemistry demonstrations put on by local universities in North Texas.

March 2012 Meeting cont.

From our 2012 Section Chair, Aaron Fletcher:

This year's meeting is the inaugural Industry meeting, and I would love for you to be a part of it. The meeting will be on Saturday, March 24th, at Dallas Baptist University, which is conveniently located between Dallas and Fort Worth.

I would like to invite you to present your company and its services/products via a 25 minute presentation with time for Q&A. It is my goal to have 5-10 companies present. We will also have a breakout session over lunch where sandwiches will be provided, and companies can have a table to present their services and products and allow for one-on-one conversations with our members. I hope to have 10-20 companies sponsor a table.

I encourage you and your company to help make this a wonderful meeting that provides a symbiotic relationship between you, your company, and all of our local ACS members. If you can be a part of our Industry and Small Business Meeting, please email me back at aaronf@dbu.edu or call at 214-333-5519. We are limited to only 10 oral presentations, so reserve your spot now.

Aaron Fletcher

Aaron Fletcher, PhD
2012 Chair DFW Section



Mark it on your calendars...

**Meeting in Miniature
University of Dallas
April 21, 2012**





PRINT AND POST!

First Circular and Call for Papers



Ft. Worth, TX

June 10th - 13th
2012

FEATURES

- Plenary Lecture by Prof. E.J. Corey, Harvard University
1990 Nobel Laureate in Chemistry on Enantioselective Chemical Synthesis
- Plenary Lecture by Prof. Ron Breslow, Columbia University
National Academy of Science Member on Origin of Chirality in Life
- International Chirality Medal Award Presentation and Address
Nominations are now being accepted
- Presentations and Discussion Session on the Route
to Commercialization of Chiral Drug Compounds
- Full Scientific & Social Program, Student & Young
Investigator Sessions, Short Courses, Vendor Exhibitions,
Job Fair, Poster Symposium & Awards, Book Signing

Join us for the 24th International Symposium on Chiral Discrimination in historic Ft. Worth, TX, Gateway to the West. See the conference website for more details on the extraordinary scientific and social program planned for scientists interested in all aspects of chirality.

Conference Organizers:

Prof. Daniel W. Armstrong, Professor and Robert A. Welch Chair
Prof. Kevin A. Schug, Associate Professor

On-Line Registration and Abstract Submission open January 2, 2012

www.chirality2012.com

Or e-mail us at: info@chirality2012.com

From the editor:

In November, I mentioned that the **RETORT** had been placed on the web site *issuu.com*, an online magazine site. Right now it's free, *but* the site gets to put ads and other publications on the page with us; there is a column on the right hand side of the page which displays other publications. However, they are all *chemistry-related* publications! I was flicking through the list and found the absolutely coolest thing: *The Golden Book of Chemistry Experiments* by Robert Brent, published in 1960 by Golden Press (<http://issuu.com/torben/docs/tgbce>). There's lots of other great stuff: study guides, ACS publications, experimental setups. Check it out.

We're going to get our own page soon, but it is interesting looking at the other chemistry publications. Another nice thing about *issuu.com* is that you can *subscribe* to your publication; if you put in your email (right next to the **RETORT** on the site), you will automatically get the **RETORT** when we post it. (*In order to subscribe, download, or print, you need to register with issuu.com; it's free and you can opt out of extraneous emails.*)

The **RETORT** is still and always will be available on the DFW section's website, *acsdw.org*. On that site, under *SW Retort*, you can access a pdf (just click on the *name of the month*), a flip-page PC version, and a flip-page MAC version, all of which are downloadable and printable.



In my never-ending quest for appropriate clip art, I looked for a photo of an old chemistry set (page 12). It took quite a while before I found one without a boy on the box cover or book—no surprise...it was dated 1958. Like Mary, I asked for a chemistry set at age 11, but was told by my parents that it was a toy for boys...HA! See what happened?! I did find this photo, on the ACS website...an indicator of times gone by and changing attitudes. Things do change!

<http://pubs.acs.org/cen/newscripsts/86/8620newscripsts.html>

*Best regards,
Connie*