



April 2007
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Central Texas ACS

Newsletter of the Central Texas Section of the American Chemical Society

Tuesday, April 24, 7:00 – 9:30 pm:

THE TEXAS AIR QUALITY STUDIES

Dr. David Allen

Department of Chemical Engineering, and
Center for Energy and Environmental Resources
University of Texas

The University of Texas Club
2108 Robert Dedman Drive, Austin, TX 78712
Social "hour" from 7:00 pm - 7:30 pm. Dinner 7:30 - 8:30 pm, Talk 8:30 pm - 9:30 pm
Dinner \$20 - Students \$15
RSVP by April 20 at (512) 653-6311
Or email chair@centraltexasacs.org

Biographical Sketch

Dr. David Allen is the Melvin H. Gertz Regents Chair in Chemical Engineering and the Director of the Center for Energy and Environmental Resources at the University of Texas at Austin. For the past two decades he has performed research on air quality and pollution prevention; he is the author of four books and over 175 scientific papers in these areas.

Dr. Allen received his B.S. degree in Chemical Engineering, with distinction, from Cornell University in 1979. His M.S. and Ph.D. degrees in Chemical Engineering were awarded by the California Institute of Technology in 1981 and 1983. Dr. Allen joined the University of Texas in 1995.

Dr. Allen has led, or helped to lead, multiple air quality field studies in Texas. His current research at the University of Texas uses the results of these air quality science programs to help inform air quality management decisions in Texas.

Abstract

State of the Science of air quality in Texas and implications for air quality policy

The Texas Air Quality Studies (TexAQS I and II), conducted in the summers of 2000 and 2006 were the largest air quality field studies ever undertaken in Texas. During August and September of 2000 and 2006, approximately 300 air quality investigators from around the world converged on the eastern half of Texas. Multiple aircraft and a large research vessel were deployed; multiple ground sites were established for collecting meteorological and chemical data.

This presentation, by one of the lead investigators for the Texas Air Quality Studies, will provide an overview of the studies and will discuss, in detail, both the overall policy implications of the studies and the enhanced understanding of the urban atmospheric chemistry that emerged from the studies.

Central Texas ACS: April 2007

Chair's Page

Letter from the Chair

Hi Everybody!

Now that winter is long gone and spring is in the air, April is the time for those hibernating ACS members to get out and enjoy volunteering and socializing with fellow chemistry aficionados. After a long stretch without any ACS activities, April is a busy month with many opportunities to get involved before we break for the summer. The annual Awards Banquet will be held on April 24th and Chemists Celebrate Earth Day activities are on April 21st.

Last month Dr. Frankie Wood-Black educated us on factors that drive the cost of gasoline, and the steps that are involved in the refining process. This month Dr. David Allen from The University of Texas had graciously agreed to speak at the Awards Banquet to be held at The University of Texas Club. Dr. Allen will speak on Austin air quality and how it compares to other major cities in Texas. The banquet will honor outstanding seniors from universities within the local section, and ACS members celebrating 50 & 60 years of membership! *Note that the time and meal prices are different than our regular meetings.* Also, please feel free to park in the UT Club garage; it's free courtesy of ACS.

On April 21st the Austin Nature & Science Center along with the local section will celebrate Earth Day for the fifth consecutive year! Chemists Celebrate Earth Day is an outreach program developed to enhance the public's awareness of the contributions of chemistry to our everyday lives and the nation's economy. Do you have children? What better way to give them interested in science at an early age.

I feel the first half of 2007 has been very successful for ACS. As always, I am open to your comments and suggestions about how we can continue to improve the local section for the remainder of 2007 and years to come. I hope to see many of you at the Awards Banquet. Have a wonderful summer!

Councilor's Corner

Some of you may have occasionally wondered where your ACS dues go and how they fit in with the overall financing of ACS. Here are a few answers. The total annual ACS budget approaches half a billion dollars a year with by far the largest part of both income and expenses related to its mammoth publication program. More illuminating may be the net gain or loss from various activities shown below with figures for 2006.

Net sources of funds (in \$ millions):

Information services	+43.0
Investments	+8.3
Member dues	+5.1

Net expenses (in \$ millions):

Membership	-12.2
External affairs	-8.7
Web presence	-6.3
Education	-5.8
Governance	-3.1
Other activities	-2.7

This year (2006) the total net income was \$12.2 million. This fluctuates appreciably - a few years ago it was negative. In any case, you can see that the impact made by your dues is multiplied many fold by income from other activities, especially the publication program, and that the society spends, for example, more on education than it collects in dues. If any of you have any questions about these figures, please ask me at one of our Section meetings.

James E. Boggs

Central Texas ACS: April 2007

Calendar of Events

Tuesday, April 24th

AWARDS DINNER

“The Texas Air Quality Studies”

Speaker: Dr. David Allen

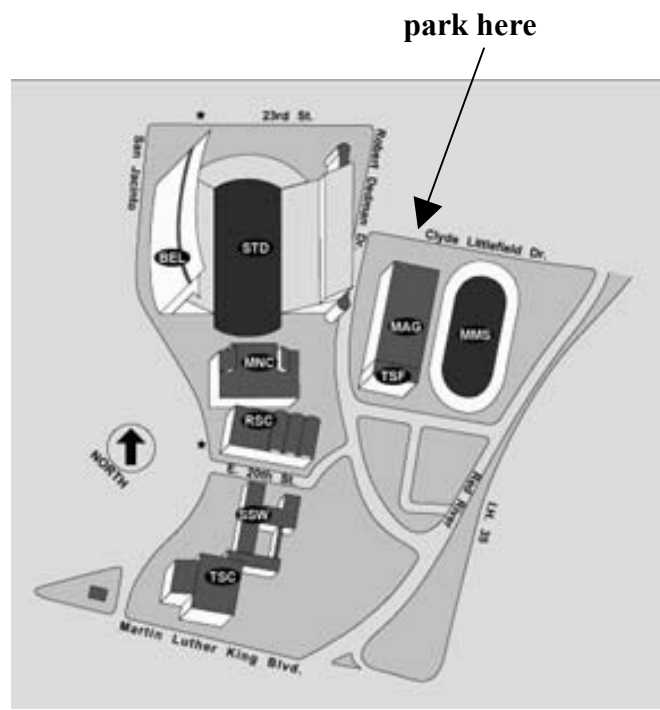
The University of Texas Club

2108 Robert Dedman Drive, Austin, TX 78712

The University of Texas Club is located on the **sixth floor on the East Side of Darrell K. Royal Memorial Stadium** on The University of Texas campus.

Parking:

Guest parking is available in the garage located directly across from the Club. See the map below with arrow indicating parking location. **ACS will pay for parking if you park in the UT Club garage.**



Saturday, April 21

Chemists Celebrate Earth Day

At the Austin Nature and Science Center

Zilker Park, 12 noon – 4 pm.

See next page and volunteer.....

Awards Dinner Honorees

Fifty Year Members

Allan J. Bard

James R. Fair

Charles Thomas McGregor

Ronald Laurence Poe

Francis A. Zinsitz

Sixty Year Members

Paul F. Deisler

Charles Grant O'Bannon

Outstanding Senior Awards

Southwestern University

Ms. Sandra Alheli Garza

St. Edwards University

Ms. Lica Abu-Esba

Ms. Margarete J. (Gretchen) Borck

University of Texas-Chemistry

Mr. Jefferson M. (Matthew) Taliaferro

Ms. Lisa Fredin

University of Texas-Chem Eng.

Mr. Brandon Heimer

Ms. Christine Manning

Huston-Tillotson

Mr. Alexander Rancier

Texas State University

Mr. Phil Goodman

Mr. Karl Jasheway

→ visit

www.CentralTexasACS.org



Central Texas ACS: Chemists Celebrate Earth Day: Saturday April 21, 2007 *a program of the American Chemical Society (ACS)*

Theme: “Recycling—Chemistry Can!”

Community Event: “Recycling All We Can”

The 2007 Community Event for Chemists Celebrate Earth Day is “Recycling All We Can”. Celebrate the chemistry in recycling by volunteering at the Central Texas event at the Austin Nature and Science Center.

K-12 Contest: Illustrated Haiku Contest

Students are asked to write and illustrate a haiku using the Chemists Celebrate Earth Day 2007 theme, “Recycling—Chemistry Can!” Detailed rules and guidelines are published at the Chemists Celebrate Earth Day website (chemistry.org/earthday). *A haiku is a three-line poem with five syllables in the first line, seven in the second, and five in the third. Haikus typically have nature-related themes and do not rhyme.*

College Contest: Video Contest

Undergraduate students will be asked to create a video that incorporates an activity relevant to the theme. It can be a music video or a video montage of any sort. Guidelines will be posted on chemistry.org/earthday.

Educational Resources: chemistry.org/earthday

Look for hands-on activities, safety guidelines, correlation with science education standards, and related articles on the Chemists Celebrate Earth Day website; book and electronic resource lists will also be available on the site courtesy of Chemists in the Library. There will be a web-based interactive game available as well.

Journal of Chemical Education

The *Journal of Chemical Education* will dedicate their February 2007 issue to green chemistry, environmental chemistry, and the celebration of Earth Day. The *Journal* is packed with references to make your celebration a success!



Central Texas ACS: April 2007 Information

Central Texas Regional Poster Contest Finalist

ACS National Chemistry Week Poster Contest Regional Finalist for the 5th – 8th grade category is:

Kaleigh Hartruss in the 8th grade at Dahlstrom Middle School, Buda. Her teacher is **Ms. Melanie Anderson**.

The Committee on Community Activities and the Office of Community Activities has announced the results of the 2006 National Chemistry Week (NCW) Poster Contest. This year's entries for each contest were creative and imaginative. Poster contest judging took place at the ACS spring national meeting in Chicago. Members of the Committee on Community Activities served as judges and enjoyed witnessing creativity as its best.

2006 NCW Poster Contest Winners

The judges were asked to pick a first and second place winner from each grade category. Poster contest entrants were asked to design a poster using the 2006 theme, "Your Home—It's All Built on Chemistry!" Winners in each category received a \$200 gift certificate for Amazon.com; the second place winners each received a \$100 gift certificate for Amazon.com.

•**K-2nd Grade** 1st Place Winner- Parker King, Grade 2, Virginia Local Section; 2nd Place- Steven Mooradian, Grade 2, Erie Local Section

•**3rd-4th Grade** 1st Place Winner- Ariana Banijamali, Grade 3, New Haven Local Section; 2nd Place- Marissa Hohman Grade 3 Delaware Local Section

•**5th-8th Grade** 1st Place Winner- Serena Chang, Grade 6, Cleveland Local Section; 2nd Place- T.J. DeMatteis, Grade 8, Delaware Local Section

•**9th-12th Grade** 1st Place Winner- Kayleigh Coleman, Grade 11, Virginia Blue Ridge Local Section; 2nd Place- Ritu Raman, Grade 11, New Haven Local Section

There are 10 types of people in this world, those that understand binary and those that don't.

Job Opening Holt, Rinehart and Winston Chemistry Associate Editor

Responsibilities

- Edit manuscript for accuracy, clarity, age-level appropriateness, and pedagogy
- Research issues related to reviewer and customer feedback
- Write photo and art specifications
- Carefully proof materials to ensure error free products
- Draft clear, concise correspondence to writers, authors, freelancers, and/or reviewers
- Work as part of a team to ensure schedules are met

Requirements

- Undergraduate degree required; chemistry major preferred
- Excellent writing and organizational skills required
- Computer and word processing skills required
- Secondary school teaching or curriculum experience preferred

This is a temporary, nonbenefits eligible position; position duration is 24 months.

To Apply:

Please visit our website at <http://harcourt.com/HRJobs/index.html> and click on the Jobs@Harcourt link to submit a resume online. Select Holt, Rinehart and Winston from the column on the left, and when the window opens, enter 221575 in the requisition field. Hit the search button and when you locate the position(s) in which you are interested, click to add to your job basket, and then click to apply for the job(s) in your job basket.

Company Information

Holt, Rinehart and Winston (HRW), a Harcourt Education Company and division of Reed Elsevier, is based in Austin, Texas. A recognized leader in secondary educational publishing since 1866, we have embraced a tradition of excellence by helping teachers teach and students learn. By providing a wide range of instructional materials that include curriculum-based textbooks, CD-ROMs, and other support and reference materials, HRW is creating learning adventures. The combination of strong traditional materials and innovative new products makes HRW the best publishing company in the industry.

Holt, Rinehart and Winston is an Equal Opportunity Employer.

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2006 Executive Committee: Officers and Program Directors

Keep your contact information current to receive the latest emails from your local section!

Chair	Jackie Padilla	URS	chair@	centraltexasacs.org	219-6569
Chair-Elect	Betsy McGrew	Stratagene	chairelect@		321-3321
Past-Chair	Kenneth Pavlat	Applied Analytical	pastchair@		339-1462
Secretary			secretary@		
Treasurer	Dr. Stan Hajost	Applied Analytical	treasurer@		339-1462
Councilor 1	Dr. Barry Streusand	Applied Analytical	councilor1@		339-1462
Councilor 2	Prof. Jim Boggs	University of Texas	councilor2@		466-9145
Alt. Councilor 1	Dr. Linette Watkins	Texas State University	altcouncilor1@		245-3125
Alt. Councilor 2	Dr. Denny Wagoner	AnalySys Inc.	altcouncilor2@		385-5886
National Chemistry Week	Betsy McGrew	Stratagene	NCW@		321-3321
Public Relations Chair	Jackie Padilla	URS	media@		219-6569
Women in Chemistry	Larisa Watson	University of Texas	wic@		471-7680
Awards Chair	Dr. Stanley Cavitt	Texaco Chemical (ret)	awards@		345-0407
Membership Chair	Dr. Linette Watkins	Texas State University	membership@		245-3125
Nominations Chair	Dr. Diane Kneeland	University of Texas	nominations@		232-0680
Chemistry Olympiad	Dr. Neal Grice	Dept State Health Services	chemolympiads@		926-7844
Girl Scout Program	Betsy McGrew	Stratagene	girlscouts@		321-3321
Boy Scout Program	Dr. Barry Streusand	Applied Analytical	boyscouts@		339-1462
High School Coordinator	Dr. Neal Grice	Dept State Health Services	webmaster@		926-7844
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