



# THIN-AIR BULLETIN

NEW MEXICO CHAPTER      REGION IX      ALBUQUERQUE, NEW MEXICO

## ASHRAE

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS

February 2006

### TEN TIPS TO SURVIVING IN A LITIGIOUS SOCIETY

Hard to believe that February is already here and this month is a program you don't want to miss. We are excited to have Gerald G. Dixon Attorney at Law as our guest speaker. Mr. Dixon will present **"Ten Tips to Surviving in a Litigious Society"** a topic that is important to all of us.

GERALD G. DIXON is a partner in the law firm of Dixon, Scholl & Bailey, P.A., where he practices in the areas of commercial litigation, professional malpractice defense and construction disputes. Mr. Dixon received his B.B.A. and J.D. degrees from Texas Tech University. He is a frequent speaker before various professional groups on professional malpractice, construction related issues and claims avoidance. He was admitted to the State Bar of Colorado in 1981 and the State Bar of New Mexico in 1986. Mr. Dixon was President of the Albuquerque Bar Association in 1994 and is a member of the American Bar Association Construction Industry Forum and Standing Committee on Lawyers' Professional Liability. He is married to Deborah Dixon, a consulting civil engineer, has two children, is a member of the First United Methodist Church and coaches a high school Mock Trial Team in his spare time.

Plan now to join us for a lunch meeting at Gardunos on the Green on Tuesday February 21<sup>st</sup>. Lunch will be served at 11:45 and the program will start at noon. Please RSVP by February 17<sup>th</sup> to Deward Stegall at (505) 884-2044 or [Dwstegall@trane.com](mailto:Dwstegall@trane.com). Email is preferred.

### ***PRESIDENT'S MESSAGE***

I hope that you all had a chance to travel to the "Big" ASHRAE show, which was held last month in Chicago. The show was quite impressive with over 1800 exhibitors. There was a good combination of manufacturers of equipment to software demonstrations.

This month's meeting will be another lunch meeting, which will be held at Garduno's on the Green. Your Board of Governors would really appreciate your feedback on whether you are more likely to attend the meeting if it is held during lunch rather than after work. Please let one of the board members know.

Lastly, as we come down to the home stretch of this year's ASHRAE, we will be looking for new board members. If you are interested, please contact myself or one of the other board members.

Hope to see you at the meeting and stay healthy.

Jason A. Moorhead

## From the History Books

February 1976

Chapter Officers were:



President:	Monie Grover
President-Elect:	R. W. Hobson
Secretary:	F. E. Peckinpaugh
Treasurer:	Buff Ohnhaus

The speaker for the evening was Steve Trelease, Unitary Heat Pump Product Manager for American Air Filter. His presentation was the subject of packaged heat pump applications.

### **January Program Review**

#### **The Code Inspector's Top Ten List**

Last month's program featured Carmine Raia the Chief Mechanical Inspector and John Sheets the Mechanical Plans Reviewer for the City of Albuquerque. Both Carmine and John presented on the most commonly confused and violated code items and there was plenty to discuss. Handouts of the cited code sections were provided and interpretation was discussed. This was definitely a worthwhile topic. Thank you to those who attended and a special thanks to our guest speakers, who offered to present again next year.

### **Science and Engineering Fair**

#### **STUDENT ACTIVITIES**

ASHRAE will once again be an 'Award Donor' to the Science and Engineering Fair. The event will be on Friday, March 17, 2006.

Students exhibits will be selected from the entries

based on their being relative to our industry and quality of exhibit and student input. We will select up to two exhibits. These students will receive a cash award up to \$200 and be invited to an ASHRAE dinner function.

This is a great opportunity to visit with the best and brightest of our youth and see the huge variety of their amazing exhibits.

I need three (3) volunteers as judges for the afternoon of March 17th. We will meet at Mannie's Restaurant at 11:30 for lunch and then proceed to UNM Campus for the judging. We had a great time last year and I want to thank again Jim Asperger, Ed Fagyal, and Dan Aguilar for their help.

Give me a call.

Charlie Scoggin cell 269-3595  
Student Activities Chair

### **ASHRAE Technology Awards**

#### **Sustainable Design Recognized in ASHRAE Technology Awards**

ATLANTA – A circus big top, a school using 80 percent less energy than typical, and a Chicago sustainability education center are being recognized for innovative design by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

Three projects received first-place ASHRAE Technology Awards during ASHRAE's 2006 Winter Meeting, Jan. 21-25, Chicago.

The awards recognize outstanding achievements by members who have successfully applied innovative building design in the areas of occupant comfort, indoor air quality (IAQ) and energy conservation. Their designs incorporate ASHRAE standards for effective energy management and IAQ.

Receiving first place in the alternatives and/or

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renewable energy use category is Laurier Nichols for Ecole Du Tournant, Saint-Constant, Quebec. Nichols is team leader, energy efficiency, Dessau-Soprin, Longueuil, Quebec.

The alternative school has no greenhouse gas emissions and is the most energy efficient school in Quebec. It is 80 percent more efficient than a similar school built according to the energy code used in Canada. ASHRAE's energy conservation standard, 90.1, was the model used to develop the code.

Innovative design methods used include a high quality building envelope, a highly efficient lighting system, and a low energy HVAC&R system with intelligent control system.

Energy bills from the past two years show that the school saves \$34,4000 in energy per year, resulting in a payback period of 3.9 years.

Also receiving first place is Lev Zvenyach, P. E., vice president of IBC Engineering Services, Waukesha, Wis., for a City of Chicago building designed to serve as a national model of environmentally sensitive design. He is receiving the award in the existing commercial buildings category.

The Chicago Center for Green Technology functions as an office building, educational facility, a high-tech factory, interpretive center and a "garden in the city." The building houses tenants with a sustainable mission, such as a solar panel manufacturer, and its campus is open to visitors to help educate the public on how green buildings function and how they benefit the public and the environment.

The center incorporates a number of demand (lighting, cooling and heating) and energy consumption reduction measures. As a result, the building has a significant reduction in energy consumption: some 75 percent over typical office buildings in Chicago, 45 percent over ASHRAE Standard 90.1 compliant buildings without photovoltaic credit and 60 percent over buildings with the credit.

Receiving first place in the public assembly category is Martin Roy for TOHU's Capiteau Des Arts, Montreal, which is the first concert hall dedicated to the circus arts in North America. Martin is president, Martin Roy and Associates,

Deux-Montagnes, Quebec.

The building features natural ventilation, passive solar heating, water conservation, use of wasted heat and energy efficiency.

Most the concepts and technologies used are new in local industries. District heating using waste heat, underground cuts, solar walls and natural/hybrid ventilation will help demonstrate the feasibility of such innovative designs. Projects receiving ASHRAE Technology Awards honorable mentions are:

- Dennis Sczmok and Thom Barry for Compuware World Headquarters, Detroit, in the new commercial buildings category. Sczmok is vice president, Peter Basso Associates, Troy, Mich. Barry is vice president, Mechanical Professional Services, Plymouth, Mich.
- Wing Hong Chan for Swire Properties Management, Hong Kong, in the existing commercial buildings category. Chan is head of technical services, Swire Properties Management.
- James Megerson, P.E., for Blue Valley North High School, Overland Park, Kans., in the existing institutional buildings category. Megerson is vice president Larson Binkley, Leawood, Kans.
- Peter Johnson for the Brunswick (Ohio) School Performing Arts Center in the new institutional buildings category. Peterson is service manager, Pier Associates, Akron, Ohio.
- Siang Hwa Lek for the National Institute of Education, Nanyang Technological University, Singapore. Lek is vice president, CPG Consultants, Singapore.
- Mehdi Jalayerian for the Exelon Elevator and Stair Pavilions North, Millennium Park, Chicago in the alternative and/or renewal energy use category. He is senior vice president, Environmental Systems Design, Chicago.

ASHRAE, founded in 1894, is an international organization of 55,000 persons. It is the world's foremost technical society in the fields of heating, ventilation, air conditioning and refrigeration. Through its meetings, research, standards writing, publishing and continuing education, the Society helps keep indoor environments comfortable and productive, deliver healthy food to consumers and preserve the outdoor environment.

## ASHRAE Satellite Broadcast

### Sustainability Topic of ASHRAE Satellite Broadcast

ATLANTA – A satellite broadcast is being offered by ASHRAE to fulfill its goal of promoting building sustainability as a means to provide a safe, healthy, comfortable environment while simultaneously limiting the impact on the Earth's natural resources.

Information about building sustainability principles, practices and emerging concepts will be presented in the free April 19, 2006, satellite broadcast and Webcast, Sustainability and the Building Environment. The program is sponsored by ASHRAE's Chapter Technology Transfer Committee (CTTC).

"This broadcast will benefit all of the team members involved in the design, construction, start-up, and operation phases of a facility," said Jon Christopher Larry, chair of CTTC. "Viewers will be given information and sources to assist them when they are faced with the situation where a green design must be done. The green building industry will also benefit from the engineering input from ASHRAE."

The speakers for the broadcast will provide guidance on how to practice green building design. They are: Joe Van Belleghem, president, BuildGreen Developments, Victoria, Canada; Hal Levin, Fellow ASHRAE, research architect, Building Ecology Research Group, Santa Cruz, Calif.; Jean Lupinacci, director, ENERGY STAR commercial and industrial branch, Climate Protection Partnerships Division, U.S. Environmental Protection Agency;

Kevin Hydes, P.E., P.Eng., president and CEO, Keen Engineering, Montreal, Canada; and Malcolm Lewis, Ph.D., P.E., president, CTG Energetics, Irvine, Calif.

The broadcast will be similar to the April 2005 Mold in the Building Environment Broadcast/Webcast viewed by some 16,000 viewers at 1,700 locations.

Visit [www.ashrae.org/greenbuildingsbroadcast](http://www.ashrae.org/greenbuildingsbroadcast) for the latest information regarding the broadcast/Webcast and ASHRAE's work on sustainability.

## Compliance with Standard 90.1, 62.1 Tops ASHRAE's Online Courses

ATLANTA – Six online professional development seminars will be offered this spring by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

ASHRAE Learning Institute's professional development seminars provide in-depth information that is timely, practical and advanced beyond a fundamental level. Seminar participants will earn professional development hours, continuing education units, or American Institute of Architects learning units for each seminar completed.

Seminars are:

- Complying with ASHRAE Standard 90.1-2004, Energy Standard for Buildings Except for Low-Rise Residential Buildings, HVAC/Mechanical Code, 1-4 p.m. EST, March 15.
- Complying with Requirements of ASHRAE Standard 62.1-2004, Ventilation for Acceptable Indoor Air Quality, 1-4 p.m. EST, March 22.
- Humidity Control I, Basic Principles, Loads and Equipment, 1-4 p.m. EST, March 29.
- Humidity Control II, Applications, Control Levels and Mold Avoidance, 1-4 p.m. EDT, April 5.
- An Introduction to BACnet, 1-4 p.m. EDT, April 12.
- Life-Cycle Cost Analysis, 1-4 p.m. EDT, April 26.

The cost of the seminars is \$225 (\$150, ASHRAE members).

To register for any of the seminars, visit [www.ashrae.org/onlinepds](http://www.ashrae.org/onlinepds) or call ASHRAE's Customer Service Department at 1-800-527-4723 or 404-636-8400 (worldwide), fax 404-321-5478, or mail at 1791 Tullie Circle NE, Atlanta, GA 30329.

- FEBRUARY MEETING -

**SPEAKER:** Gerald G. Dixon  
Attorney at Law

**TOPIC:** Ten Tips to Surviving in a  
Litigious Society

**DATE:** Tuesday, February 21, 2006

**Albuquerque Location:** Garduno's on the Green  
9401 Balloon Museum Dr.

**LUNCH MEETING**

**TIME:** 11:45am Buffet; 12 pm Program

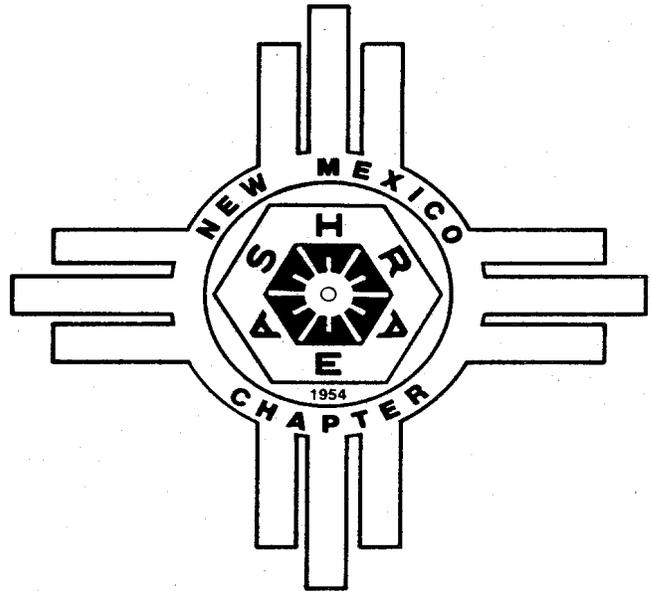
**TECHNICAL SESSION:** None

**MENU:** Buffet

**COST:** \$15.00

All cost are inclusive of tax and tip

**RSVP:** Friday, February 17th, to Deward Stegall at  
505-884-2044 or [Dwstegall@trane.com](mailto:Dwstegall@trane.com)  
**Email preferred**



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\*Minimum of Honor Roll Recognition by Society

*Individual and corporate contributions advance industry research resulting in better products, installation methods, buildings and profits.*

*Please invest in your future through ASHRAE RESEARCH.*

**Our chapter's thanks and society gratitude are extended to the following member for this year.**

<b><u>\$500 and above:</u></b>	<b><u>Full Circle - \$100 per Board Member</u></b>	<b>Current Collections for 2005 - 2006</b>
	Dan Beckley	
	Dave Graham	
	Gary Grange	\$11,000
<b><u>\$250 and above:</u></b>	Dan Harmyer	\$10,000
	Jason Moorehead	\$9,000
	Rich Rief	\$8,000
<b><u>\$100 to \$249</u></b>	Charlie Scoggin	\$7,000
Nick Nellos Endowment	Charles Steele	\$6,000
Dr. Maurice Wildin	Deward Stegall	\$5,000
Jim Feeney Consulting	JR Sunderman	\$4,000
John Grapsas	<b><u>Up to \$100</u></b>	\$3,000
Rivera Engineering	Scott Salisbury	\$2,915
Lyle Anderson	Brad Turk	\$2,000
Jim Asperger	Andrew Beall	\$1,000

