



THIN-AIR BULLETIN

NEW MEXICO CHAPTER REGION IX ALBUQUERQUE, NEW MEXICO

ASHRAE

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS

May 2004

Building Commissioning - Journey to the Promised Land

Building Systems Commissioning has the promise of delivering high performance buildings to owners, but it takes a concerted effort on the part of all the players in the building industry - the owner, the design and construction contractors and the vendors. This month's presentation will hear from a representative from Sandia National Laboratories on his and his company's experience with implementing elements of commissioning and their current mission to formalize a Facilities commissioning program.

Ralph Wrons, a facilities engineer at Sandia, has been a champion for commissioning at Sandia since 1995. There have been several efforts to commission building HVAC systems and associated controls of new buildings since 1998 and Sandia is now trying to turn the corner and develop a formalized building-commissioning program.

Ralph's presentation will touch on several aspects of commissioning from an owner's perspective, including the roles and responsibilities of the owner, the A/E firm, the Construction contractor and the vendors. The aim will be to address areas of interest and/or concern of ASHRAE and NMFMN members.

Other topics will be lessons learned, training, meshing with existing testing requirements, and
(Continued on page 2)

PRESIDENT'S MESSAGE

We have come to the end of another great year in ASHRAE. I have really enjoyed serving as your president for the past year. Attendance seems to have risen a little over last year and I think we had some really good topics.

I would like to thank all the officers and board members for doing a terrific job.

As we have mentioned in the past, we are hosting the Chapters Regional Conference (CRC) in August. Everyone in the chapter is welcome to attend and we have many great activities lined up for registered attendees. A registration form will be e-mailed out to everyone within the next month.

This month's meeting will be a joint meeting with the Facility Managers. The topic is building commissioning and should provide some insight into how to make our building's perform as designed.

See you there.

Mike Dunavant

MAY SPEAKER PROFILE

Ralph Wrons, P.E., is an Energy Engineer with the Facilities Management and Operations Center at Sandia National Laboratories, and has been with Sandia for 14 years. His experience includes three years as Team leader for the HVAC Controls group, then seven years as the Site Energy Manager and the last year and a half as a Team Leader in the construction Inspection and Acceptance group. Ralph has a B.S. (1986) in Energy Engineering from the University of Arizona. Ralph involved Sandia in the EPA/DOE initiative Laboratories for the 21st Century in 1999 and has made presentations to the annual conference each year on topics of Energy use benchmarking, Laboratory energy efficiency case studies, Green design, and Commissioning. Ralph was part of a team that was recognized in 2001 with a DOE FEMP(Federal Energy Management Program) Award for the Sandia Chilled Water Thermal Energy Storage System, saving \$140,000 annually.

April's Program Review

- Last month's program featured Frederick A Lorch with Phoenix Controls Corporation.
- The program covered the history, methodology, characteristics, and benefits (or detriments) of the four most often used methods of determining indoor sound criteria. The four criteria being dBA, NC, RC and RC Mark II. It also included a brief tutorial on the basics of sound.
- Also, there was a technical session "Designing For Sound Quality" held before the main program. It was a step-by-step calculation of the indoor sound resulting from several designs for a laboratory space with fume hoods. The presentation showed how to obtain the desired sound quality in the most cost efficient way.

From the History Books

May 1975

Chapter Officers were:

President:	James O. Coupland
President-Elect:	M. U. Grover
Secretary:	Richard G. Supple
Treasurer:	F. E. Peckinpaugh

The speaker for the meeting was Peter Lujan. He talked about solar heating of Bridgers & Paxton projects: Agriculture building and the Community College of Denver. Also Dick Olwine of Air Balance Inc. talked about the application and installation of fire and smoke dampers.

Account balance was \$65.25

Building Commissioning - Journey to the Promised Land

(Continued from page 1)

the commissioning prerequisite of the USGBC LEED green building rating criteria.

Commissioning is a journey and thus far, Ralph said, it seems like Sandia still has a long way to go, but increasingly there are more proponents than nay Sayers, so the chances for success are improving.

This program is at the Petroleum Club on Tuesday May 18th. The cocktail hour starts at 5:30 pm then the dinner and program follows at 6:30 pm. Dinner will be either "beef bourguignon with pasta and garden vegetables" or "amaretto chicken almondine mushrooms and a touch of curry" with dessert du jour. Cost is \$22.00 inclusive. Please reply by noon on Thursday May 13th by e-mail davidg@cmenm.com or call David Graham at 884-8868.



THE HASSLE FREE WAY OF DONATING TO ASHRAE RESEARCH

CALL JIM ASPERGER NOW! AT (505) 344-5578, OR...

<p>Mail Check To: ASHRAE RESEARCH c/o Crest Mechanical Systems, Inc. 7005 4th St NW Albuquerque, NM 87107</p>	<p>Your contribution puts us closer to achieving our goal. Please send what you can today! *Individual contributions of \$100 or more and Corporate contributions of \$150 or more receive this year's Commemorative Coin and Honor Roll Contribution status. Mail by May 28th</p>	
Name: _____		
Company: _____		
Address: _____		
Tel: _____ Fax: _____ Email: _____		
INDIVIDUAL	\$ 25.00 \$ 50.00 \$ 75.00 \$100.00	Other: _____
CORPORATE	\$100.00 \$150.00 \$250.00 \$500.00	Other: _____

MAY IS RESEARCH PROMOTION MONTH

Our chapter's thanks and society's gratitude are extended to the following 2003-2004 contributors:

- | | | | |
|------------------------|-----------------------|------------------------------|--------------------|
| <u>\$500 and above</u> | <u>\$100 to \$250</u> | <u>\$100 to \$250 cont'd</u> | <u>Up to \$100</u> |
| Energy Balance Inc. | Lyle Anderson | Mike Slaman | Bruce Levin |
| | Jim Asperger | Deward Stegall | Scott Salisbury |
| | Mike Dexter | Maurice Wilden | John Scott |
| | Mike Dunavant | Nick Nellos Endowment | Brad Turk |
| | Ed Fagyal | Crest Mechanical Systems | |
| <u>\$250 to \$499</u> | David Graham | National H & V Co. | |
| | Gary Grange | NM Sheet Metal Cont. Assoc. | |
| | Dan Harmeyer | Rivera Engineering | |
| | Jason Moorhead | The Response Group | |
| | Rich Reif | | |
| | Ed Reyes Jr. | | |
| | Charles Scoggin | | |

Please contribute...there is plenty of room and we will make more room for you.

- MAY DINNER MEETING -

**SPEAKER: Ralph Wrons, PE
Sandia National Laboratories**

**TOPIC: Building Commissioning -
Journey to the Promised Land**

DATE: Tuesday, May 18th, 2004

**LOCATION: Petroleum Club
500 Marquette NW**

TIME: 5:30 Social Hour

6:30 Dinner and Main Program

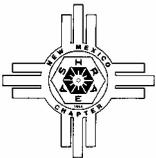
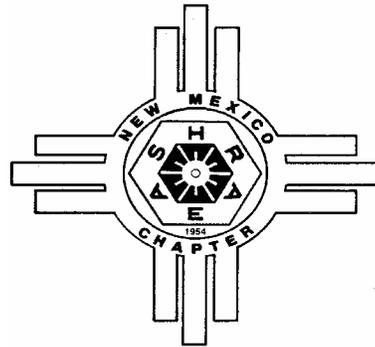
MENU: Either beef bourguignon with pasta and garden vegetables or amaretto chicken almondine mushrooms and a touch of curry with dessert du jour.

COST: \$22.00

All cost are inclusive of tax and tip

RSVP: Thursday 12:00, May 13th, to David Graham at 505-884-8868 or e-mail:

davidg@cmenm.com



New Mexico Chapter of ASHRAE
Richard J, Reif
Bridgers & Paxton
4600-C Montgomery NE
Albuquerque, New Mexico 87109
505-883-4111
505-888-1436 fax

CHAPTER MAY NOT ACT FOR SOCIETY

STATEMENTS MADE IN THIS PUBLICATION ARE NOT EXPRESSIONS OF THE SOCIETY OR OF THE CHAPTER AND MAY NOT BE REPRODUCED WITHOUT SPECIAL PERMISSION OF THE CHAPTER.