VOLUME VI, ISSUE 4 NOVEMBER 2007

ADDENDA

American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.

FROM THE PRESIDENT

Keeping it Cool with ASHRAE

That's my personal selected theme is for this year. There's more to this statement other than the obvious. GLOBAL WARMING. Just recently, former Vice President Al Gore and the Intergovernmental Panel on Climate Change won the 2007 Nobel Peace Prize. Gore has quoted, "The climate crisis is not a political issue, it is a moral and spiritual challenge to all of humanity." This week, the NBC Today show has continued a focus on climate change as well, pointing out not only the changes to the environment in Antarctica, the Arctic and the Equator, but nature's beauty that exists there. This is also an issue that no longer causes a divide in political parties. In late September Republican Governor of Florida Charlie Crist and former Democratic President Bill Clinton announced that Florida will be part of a $2.4 billion Clean Energy Program that will produce a major Solar Power Plant associated with FPL in Jupiter, FL. Worldwide, U.S. was part of a unanimous vote to accelerate portions of the Montreal Protocol which focuses on reducing the effects of Global Warming. However, it's not all gloom and doom. About 18 months ago I visited Cozumel, Mexico. The island had been severely wiped out by the hurricane season six months prior. Last week I visited again. The island had been rebuilt and was thriving. If science and engineering can rebuild the effects of

one of Mother Nature's most ferocious disasters, science and engineering can also help with man's destruction. A couple of technologies are being explored to prevent the excess carbon dioxide build-up that causes global warming as well as other solar protection devices. Solar umbrellas are thin discs that could be launched into space to protect the Earth from the Sun's rays as the ozone becomes depleted. Carbon capture would capture carbon dioxide from the largest emission producers and dissolve or pool it into the oceans. Another concept is the Geritol Effect in which iron dust would cause algae blooms that would absorb excess carbon dioxide in the atmosphere. The Volcanic dust method would add tons of sulfates to the stratosphere to mimic the cooling effects of volcanic eruption. These methods all seem extreme, have extraordinary costs and could potential harm other ecosystems. There are other less extreme methods – SUSTAINABILITY. Sustainability does not only focus on the environmental impact, but it has two other components that are not as

INSIDE THIS ISSUE

President's article	1
Research Promotion update	2
November Program	3
Governmental Affairs Update	4
Society News	5
FWC 2007~2008 Schedule	6

Join FWC ASHRAE at the

Celebrate Engineering Banquet
February 2008!

Check the next newsletter for additional information.

November meeting location:
Sam Seltzer's Steakhouse
4474 N. Dale Mabry
Tampa, FL 33419

Florida West Coast Chapter

PRESIDENT'S ARTICLE CONTINUED:

obvious. It must be financially feasible to ensure Governmental and corporate backing and it must have a social impact that makes it acceptable and endorsed by humanity.

Last month I participated on a panel regarding Sustainability. I was fortunate that I could speak not only about ASHRAE Standards 62.1 and 90.1, but I was pleased to announce the collaborative effort of ASHRAE, IESNA and USGBC to produce ASHRAE Standard 189 - Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings. We as members of ASHRAE have opportunities to participate in the exploration of sustainable efforts as well as incorporate it into our designs, equipment selection and education of our constituents.

Let's keep it Cool with ASHRAE!

Jennifer Isenbeck, P.E., FWC ASHRAE President

RESEARCH PROMOTION UPDATE:

C-A-S-I-N-O N-I-G-H-T !!!!!!! Now that I have your attention I want to be the first to announce that the Florida West Coast Chapter's 3rd Annual Casino Night has been set for Friday, January 18th, and will be held at the same location as last year - the American Legion located near the SW corner of Kennedy and Dale Mabry. Those who made it last year will surely contend that this has become a can't miss event, while those who didn't will have the chance to see for themselves. So go ahead and mark your calendars, spread the news, and keep your eyes open for more details as we get closer. And now I will leave you with this very true story…

Ned was down on his luck in Las Vegas. He had gambled away all his money and had to borrow a dime from another gambler just to use the men's room. The stall happened to be open, so he used the dime in a slot machine and hit the jackpot. He took his winnings and went to the blackjack table and turned his small winnings into ten million dollars. Wealthy beyond his wildest dreams, Ned went on the lecture circuit, where he told his incredible story. He told his audiences that he was eternally grateful to his benefactor, and if he ever found the man he would share his fortune with him. After months of lectures, a man in the audience jumped up and said, "I'm that man. I was the one who gave you the dime." "You're not the one I'm looking for. I'm looking for the guy who left the door open!"

Drew Elsberry, Research Promotion Chair

2007-2008 COMMITTEE CHAIRS

Jennifer Isenbeck President 813-974-3095	Debie Horsey Pres. Elect/CTTC 813-897-5790	Drew Elsberry V.P./Research Promotion 813-879-5790	Jeff Ross V.P./Membership 813-250-0488
Shawn Jeffrey Treasurer 813-241-6488	David Henry Governor/Historian 813-310-8977	PJ Crespo Student Activities 813-884-8100	Adam Parke Governor/Refrigeration (813) 228-1755
Phillippe Jean Secretary 813-879-0383	Publicity David White 727-834-8887	Ross Montgomery International Expansion	Jason Proctor Governor/Roster 813-987-2100
Kathy Merchant Cyber Chair 813-241-6488	Joe Souza TEGA 813-779-4070	Heather L. Hsi Newsletter Editor 813-258-6609	Dan Herra Past Pres./Nominating 813-884-8100

2007 to 2008 FWC Meeting Dates

November 14th
December 18th
January 22nd
February 22nd
March 18th
April 4th
May 20th

The November meeting will be held at the:

Sam Seltzer's Steakhouse
4744 N. Dale Mabry
Tampa, FL 33419

Time:

Social hour
5:30 p.m. To 6:30 p.m.
Dinner and Presentation
6:30 p.m. - 8:30 p.m.

Florida West Coast Chapter

FWC ASHRAE NOVEMBER PROGRAM:

PROGRAMS – November 14th (2nd WEDNESDAY of the month!!!!!)

ASHRAE'S SUSTAINABLE INITIATIVES

This month our speaker is Kent Peterson, the Society's president for 2007 -2008. . I have met Kent personally and heard him speak on his theme Greater Efficiency Today, Blue Skies Tomorrow and I believe you will find his ideas both challenging and innovative.

Kent W. Peterson, P.E. is the vice president and chief engineer of P2S Engineering, Long Beach California. As ASHRAE'S president, Peterson directs the Society's Board of Directors and oversees the Executive Committee. Through his theme (Greater Efficiency Today, Blue Skies Tomorrow), Peterson emphasizes innovation in the quest for sustainability in the built environment. He notes that "energy efficiency should always be the elegant alternative to fuel consumption." As such, he encourages ASHRAE members to become more radical in their ideas, more daring in their creativity, and dedicated to delivering innovative systems, methods and technology.

We have invited the Association of Energy Engineers to attend this meeting with our chapter so space is likely to be limited for this meeting. RSVP at *www.ashrae-fwc.org* to reserve your seat now. Space is filling up quickly.

Debie Horsey
CTTC Chair 2007-2008

November 14th, 2007 meeting location:

Sam Seltzer's Steakhouse
4474 N. Dale Mabry
Tampa, FL 33419

GOVERNMENTAL AFFAIRS UPDATE:

EPA Programs Prevent Greenhouse Gas Emissions, Save Dollars

In 2006, EPA's climate protection programs prevented 70 million metric tons of carbon equivalent greenhouse gas emissions--up from 63 million in 2005, according to a new report. The report, "Energy Star and Other Climate Protection Partnerships 2006 Annual Report" includes highlights of savings from the government's Energy Star program. In 2006, Americans, with the help of Energy Star, avoided greenhouse gas emissions equivalent to those from 25 million automobiles in 2006--up from 23 million in 2005--while saving more than $14 billion on their energy bills. Americans also saved a significant amount of energy in 2006--170 billion kilowatt hours (kWh)--or almost five percent of the total 2006 electricity demand.

Other EPA climate protection programs have also had great accomplishments. A few accomplishments from 2006 highlighted in the report include:

- Partners of EPA's Green Power Partnership—which marked its five year anniversary in 2006--purchased almost 7 billion kilowatt hours of green electricity.
- The Climate Leaders Program grew to over 100 companies--representing more than eight percent of total U.S. greenhouse gas emissions--and three partners announced the achievement of aggressive greenhouse gas reduction goals previously set through the program.
- EPA's methane programs and initiatives like the Landfill Methane Outreach Program helped minimize total U.S. methane emissions to more than 10 percent below 1990 levels.

The report details the environmental and economic accomplishments of these programs and outlines goals for 2007 and beyond.

Copies of the "Energy Star and Other Climate Protection Partnerships 2006 Annual Report" are available for download at http://www.epa.gov/cpd/annualreports/annualreports.htm or in hard copy by calling the Energy Star Distribution Center at 1-800-490-9198.

MEMBERSHIP UPDATE:

GET A NEW MEMBER TO SIGN UP
AND THE FLORIDA WEST COAST CHAPTER
WILL BUY YOU DINNER!

Your chapter is actively pursuing new members to increase our local presence as well as find our future leaders. Many of you may not know this but there is an unwritten rule that says a chapter chair such as special events or reception can not move up through the ranks without first finding someone else to take over for them. This means that we need new suckers……I mean members, to help fill these chairs and allow people to advance. Plus, it is an excellent way for new people in the industry to get to know others working in the same field.

Therefore, for the rest of the year we are going to offer a special deal to our membership. If you find a new member for ASHRAE, the chapter will buy your dinner as soon as that new member's application is processed.
What a deal! Free Prime Rib!

Jeff Ross
Membership Promotion Chair

ASHRAE Society News:

ASHRAE Receives NCEES Accreditation for Educational Programs

ATLANTA – ASHRAE has received accreditation for its education program from the National Council of Examiners for Engineering and Surveying (NCEES).

This accreditation from NCEES' Registered Continuing Education Providers Program (RCEPP) gives ASHRAE's educational offerings, part of the ASHRAE Learning Institute, another level of creditability in the eyes of licensing and renewal authorities.

ASHRAE Learning Institute offers on-site and online educational programs addressing a wide variety of engineering topics, such as commissioning and compliance with ASHRAE standards. For more information, visit www.ashrae.org/ali.

RCEPP is a comprehensive registry of continuing educational providers that have demonstrated adherence to high-quality, effective practices in the development and delivery of professional education activities for engineers and surveyors.

Refrigerated Shipping Celebrated in ASHRAE Technical Program Session

ATLANTA – Londoners enjoying a lamb chop dinner tonight should take time to celebrate a milestone anniversary in the history of refrigeration.

This year marks the 125th anniversary of the first frozen shipment of meat from New Zealand to Europe. In 1882, the Dunedin carried 3,521 sheep and 449 lamb carcasses, arriving in London in good condition after a 98-day voyage.

"Early attempts to meet the English demand by exporting canned meat failed, as it was an unreliable product disliked by the English population," Dr. Richard Love, lecturer, Massey University, New Zealand, said. "Fortunately, worldwide technology was being developed at this time, and there were several candidate technologies available, such as absorption systems, mechanical compression systems and air-cycle systems, to ensure successful refrigerated shipping."

Love will share findings from his historical research, Early Refrigerated Meat Shipping from New Zealand, in the poster session at ASHRAE's 2008 Winter Meeting, Jan. 19-23, New York City. The poster session is held from 11 a.m.-1 p.m. Jan. 22 at the New York Hilton.

The Dunedin used an air-cycle refrigeration system, which was seen as more reliable than a mechanical compression system on an ocean voyage, as it could not suffer from refrigerant leaks, according to Love. In the decades that followed, carbon dioxide- and ammonia-based mechanical compression systems became much more popular. "Today, New Zealand still exports a large amount of frozen product around the world – 92 percent of New Zealand lamb is exported, and meat exports comprise about 14 percent," Love said. "Refrigerated shipping remains an important technology for the country."

For more information about the ASHRAE meeting, Jan. 19-23, New York Hilton, visit www.ashrae.org/newyork. Held with the ASHRAE Winter Meeting is the ASHRAE co-sponsored International Air-Conditioning, Heating, Refrigerating Exposition, Jan. 22-24, at Javits Convention Center. For more information, visit www.ahrexpo.com.

MEETING SCHEDULE FOR 2007-2008

DATE	SPEAKER	TOPIC	SPECIAL EVENT
NOVEMBER 14	KENT PETERSON *SOCIETY PRESIDENT*	ASHRAE'S SUSTAINABLE INITIATIVES	REFRIGERATION NIGHT
DECEMBER 18	BARRY BENATOR *BENATECH*	CHARACTERISTICS AND COMPETENCIES OF OUTSTANDING LEADERS*	YEA/STUDENT NIGHT
JANUARY 22	N/A	POSSIBLE HOCKEY GAME/TOUR	RESEARCH PROMOTION/ YEA/STUDENT NIGHT
FEBRUARY 22	NA	GOLF TOURNAMENT	
MARCH 18	ROGER SCHMIDT *NOMAX*	SELECTING INSULATION FOR HIGH AMBIENT LOCATIONS	MEMBERSHIP NIGHT
APRIL 11	N/A	ANNUAL SHRIMP BOIL	YEA NIGHT
MAY 20	BOB BAKER *BBJ ENVIRONMENTAL SOLUTIONS*	INSPECTION AND MAINTENANCE OF COMMERCIAL HVAC SYSTEMS**	PAST PRESIDENT'S NIGHT

* OVERVIEW AND FUNDAMENTALS OF PROJECT MANAGEMENT, EFFECTIVE COMMUNICATION SKILLS AND WIN-WIN NEGOTIATING SKILLS

** BOB BAKER IS HAVING STANDARD180, *INSPECTION AND MAINTENANCE OF COMMERCIAL HVAC SYSTEMS PUBLISHED* AT THE END OF THIS YEAR

FWC ASHRAE PAST PRESIDENTS

1957-58 Karl K. Hickman
1958-59 Sam F. Graziano
1959-60 Julian Johnson
1960-61 Ken Whittington
1961-62 Mark E. Mooney
1962-63 James A. Hargan
1963-64 Daniel R. Manrique
1964-65 E. J. Bauerlien
1965-66 Henry Graham
1966-67 Richard Kohle
1967-68 Lamar King/Leland B. Menard
1968-69 Ed Fuller
1969-70 William A. Smith
1970-71 Fareed T. Ossi
1971-72 Lee Bendall
1972-73 John Degian
1973-74 Mark Chambers
1974-75 Charles "Stan" Weaver
1975-76 Charles D. Jacobs
1976-77 Peter Scott
1977-78 Ray Rinke
1978-79 Lloyd H. Biossoneault
1979-80 James H. Carroll, Jr.
1980-81 S. Michael Tappouni
1981-82 Alberto J. Sanchez
1982-83 James L. Repp
1983-84 Rodney C. Thomas
1984-85 Charles E. Langbein
1985-86 Thomas H. Williams
1986-87 Caire A. Boe
1987-88 Frank Grandinetti
1988-89 Carl B. Lawson
1989-90 Robert M. Little
1990-91 Edward C. Spivey
1991-92 Robert P. Sutton
1992-93 Roger B. Redman
1993-94 Stephen A. Chittenden
1994-95 William M. Slade
1995-96 Juan A. Soler
1996-97 Timothy J. Citek
1997-98 Mark Smith
1998-99 Joseph Griner, III
1999-00 Colleen Smith
2000-01 John W. Wells, III
2001-02 Gary Stenlund
2002-03 Bill Wright
2003-04 Don Crosby
2004-05 Ted S. Hansen, Sr.
2005-2006 P.J. Crespo
2006-2007 Dan Herrera