



Refrigeration Up-Date

State Board of
Refrigeration Examiners

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UP-DATE HIGHLIGHTS

The 2008 Up-Date was devised to provide refrigeration contractors and others in the industry with the newest developments in products and technologies on the market.

We were fortunate this year to have many talented speakers to lead our educational seminars. Heading up the lineup was Jason Stash with Inficon, Inc. who spoke on Leak Detection for HVAC & R Technicians, followed by an up-date on the North Carolina Building Code, Chapter 11 (Refrigeration) and Associated Sections from the Building Code and Fire Code led by Janie Sutton, State Property Plan Review Section of the NC Department of Insurance. Richard D'Aversa with Emerson Climate Control spoke on "Why Compressors Fail" and also led a hands-on class in breaking down compressors. Rounding off our seminar lineup was Tom Bricker, Coffing Hoists, and Rebecca Israel, NC Depart-

ment of Labor, OSH Division, who spoke on the importance of hoist safety, lever hoist (come alongs), chains and slings and how they relate to OSHA. Contractors missing these seminars lost out on a wealth of information that can take days in other situations to learn.

As always, our exhibitors did an outstanding job. Firms exhibiting this year were:

Bitzer US. Manufacturer in the USA of recip compressors for refrigeration & HVAC. In 2008, scrolls will be added.

ACR Supply Company. ACR Supply Co. focuses in the marketing and wholesale distribution of A/C, refrigeration and heating parts throughout NC. Our customers base consists of A/C and refrigeration contractors, supermarket chains, mechanical contractors, as well as industrial, institutional and government agencies.

Arneg USA. A world-wide manufacturer of

refrigeration equipment for the supermarket and convenience store markets. Cannon Marketing, Inc. Wholesale distributor for commercial ice machines and parts and refrigeration.

C.C. Dickson Co. With 109 locations in 9 states — and more locations to come — C.C. Dickson Co. is the largest HVAC/R wholesale supplier in the southeastern United States. We are striving to have branch locations that are geographically convenient for our technicians and their job sites. C.C. Dickson Co. has been Customer-Focused since 1922.

Chadwick & Associates, Inc. Celebrating over 20 years of service to the HVAC/R industry while representing many fine manufacturers.

Cliplight Manufacturing Company. A/C and refrigeration repair tools designed to save time and money.

Coffing Hoists. Hoists:

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START PLANNING
NOW FOR
NEXT YEAR'S
UP-DATE!!
BEST WESTERN
COASTLINE INN
AND
CONFERENCE
CENTER
WILMINGTON, NC
APRIL 2, 2009

STATE BOARD OF REFRIGERATION EXAMINERS

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Suggestions for articles of interest for publication in this newsletter are welcome.

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Electrical, Air, Mechanical.

Diversitech.

DuPont Refrigerants. DuPont pioneered much of the science that makes air conditioning and refrigeration possible. With over 75 years of proven leadership in refrigerants science and technology, DuPont offers the broadest range of refrigerant solutions for new and existing equipment.

Emerson Climate Control. Copeland Compressors, Emerson and U.S. Motors, Emerson Flow Controls, Browning and Emerson Vent Products.

Empire Equipment Co. Scotsman Ice Machines, Wholesale Distributors.

Engineering Systems, Inc. Cranes, hoists products and services.

Engineering Equipment Sales. Our company represents several manufacturers such as A-I Compressor, Goss Inc. and Drake Chillers.

E.V. Dunbar Company. An Atlanta area based representative agency covering eight southeastern states representing: Genetron Refrigerants, Yellow Jacket, Fluke, Diversitech, J. W. Harris, RGF Invironmental and Packless.

Fieldpiece Instruments. Testing instruments for HVAC/R.

Frank Door Company. Frank Door offers a complete line of insulated cold storage doors. Innovative designs, leading edge technology, responsive lead time and personalized customer service has enable Frank Door to become America's New Standard.

Hill Phoenix. Manufacturer of refrigerated display cases, refrigeration systems, walk-in boxes and electrical power systems.

ICOR International, Inc. Is a producer and distributor of environmentally safe, alternative refrigerants. We're making your life easier with proven products, unmatched technical support and an ongoing commitment to the environment and HVAC/R communities alike.

Johnstone Supply. HVAC/R wholesale parts, equipment and supplies.

Midsouth Marketing. Grasslin (Intermatic), Energy controls, Defrost timers.

Mueller Industries. Mueller copper tube, copper fillings, refrigeration ball valves, compressor valves, relief valves, check valves.

NuCalgon. Providing a complete and full-line of chemical supplies to our HVAC-R industry. Clean-Protect-Sanitize-Prevent.

Spectronics Corporation. Fluorescent leak detection products for refrigerants, synthetic or petroleum-based fluids, fuel and water systems. Featuring OEM-approved, solvent-free, lubricant-specific fluorescent dyes and patented high intensity UV, UV/Blue and LED inspection lights. For use in all A/C, refrigerant and all fluid systems. Economically priced and ideal for preventative maintenance.

Steve Lee & Associates. KFLEX USA: Insul-tube tube and sheet insulation. Alclad/Insultube white/foam tape Thermacell tube and sheet. Duct liner/duct wrap/pipe clamp hangers. Johnson Controls: Temperature/pressure/pneumatic electronic controls/water valves actuators/ball

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valves drives and micro drives.

Supermarket Systems, Inc. W.A. Brown walk in coolers/freezers; Altech refrigeration controls; R.J. Trausch Ref Case Parts, Reskinning kits for Hill, Hussman, Kysor/Warren/Tyler.

Testo, Inc. The world leader in development and manufacturing of portable measuring solutions for combustion, refrigeration, temperature, humidity, air velocity, pressure, visual inspection, RPM, pH, sound and more. Visit our website at www.testo.us.

The Flora Group. Manufacturer's Representative, HVAC/R.

Tuttle Company. Representing quality products to the HVAC/R industry since 1990.

United Components. Manufacturer representative agency. Products: Appion Refrigerant Recovery Machine, Armacel — Pipe Insulation.

United Refrigeration has been in the HVAC/Refrigeration wholesale business since 1947 with 285 locations in the United States, seven in North Carolina with complete HVAC/refrigeration products in stock. United Refrigeration's commitment is to meet your needs and exceed your expectations.

Of course, the Up-Date is not all work, there is ample time to network with other contractors and explore new business ideas. One of the highlights this year was the golf tournament held at Rock Barn Golf and Spa. Special thanks to **ACR Supply Company** for helping make the tournament happen and to **Baker Distributing Company** for sponsoring the prize for the longest drive. If you didn't play, you missed a good time: the weather was made for golf and the fellowship was outstanding.

Next year's Up-Date is scheduled for Friday, April 2, 2009 at the Best Western Coastline Inn and Convention Center in Wilmington, NC. Mark your calendars now and make arrangements to attend. Details are being worked out for a golf tournament on Thursday; don't miss out this year, plan on playing. This is the perfect opportunity for a mini-family retreat.

Exhibitors are encouraged to contact the Board office (919-779-4711) for more information on the exhibit space. Next year's show is shaping up to be the biggest and best yet ... make sure you're there.

2008 Scholarships Awarded

The State Board of Refrigeration Examiners recently awarded scholarships to Jared Scott McLamb and John J. Wynn. Mr. McLamb attends Wake Technical Community College and is enrolled in the HVAC/R curriculum. Mr. Wynn is attending Martin County Community College and is enrolled in the Commercial Refrigeration curriculum.

Scholarships are available to persons enrolled in or interested in enrolling in an Associate in Applied Science Degree Program of study in HVAC/R technology as well as those persons interested in enrolling in or enrolled in an Associate in Applied Degree Program of study in Commercial Refrigeration.

Applicants must meet the following criteria to qualify for a scholarship: (1) Be a resident of N.C.; (2) Be enrolled (or must intend to enroll) in an Associate in Applied Science

Degree of Study in Commercial Refrigeration or HVAC/R Technology; (3) Maintain a grade point average at or above the level required for graduation; and (4) Continue for the duration of the scholarship at the college where he or she was enrolled at the time of the scholarship award.

Two or more scholarships are awarded annually depending on available funds. Scholarship checks will be made payable jointly to the individual recipients and to their community colleges. The annual award will not be greater than the total of the student's tuition, books and supplies for two semester of the academic year.

Please contact the Board office, 893 Hwy 70 W., Suite 208, Garner, NC 27529, 919-779-4711 or refrgexs@bellsouth.net for an scholarship application.

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**We're on the web:
www.refrigerationboard.org**

Disciplinary Action

Penalties for violation of the licensing law and Board rules vary depending on the facts and circumstances of each case.

Kiser, David, dba Kiser Refrigeration A/C Sales & Service, Johnsonville, SC. Allegations of refrigeration contracting without a license. The Board and Defendant Kiser entered into a Consent Judgment whereby the court ordered that the defendant be permanently enjoined from engaging in the "refrigeration trade or business" until such time, if any, that the defendant shall obtain a license allowing him to engage in the refrigeration trade or business. Any violation of this permanent injunction shall be deemed contempt of court and shall be punishable by both civil and criminal contempt power of the Court. The Superior Court of Wake County will retain jurisdiction over this civil action for the

purposes of enforcing this judgment. The Board was awarded the cost of court.

Mattox, Randall, License T0060, dba Preventive Maintenance Service of America, Eden, NC. Allegations of misconduct in the business of refrigeration contracting in that the licensee performed work outside the scope of his transport refrigeration license. This constitutes violation of NCGS 87-58(d). Consent order entered by the Board on March 11, 2008 prohibiting the licensee from performing commercial refrigeration services unless and until he is licensed as a commercial refrigeration contractor and imposing a civil penalty of \$250.00 stayed on the condition that he not violate the terms of the consent order.

Mullinax, Rick, License 3932, Shelby, NC. Allegations of misconduct in the business of refrigeration contracting in that the licensee failed to obtain a permit as required by building authorities to perform refrigeration work. Additionally licensee failed to supervise the installation of a job performed under his licensee. This constitutes a violation of NCGS 87-62(A) and 21 NCAC 60.0311 and .0314. Consent order entered by the Board on March 11, 2008 reprimanding the licensee.

You are reminded that only the replacement of lamps and fuses and the installation and servicing of domestic household refrigerators and freezers and domestic ice-making appliances connected by means of attachment plug-in devices are excluded from the requirements of the law governing refrigeration contracting.