



thermo- DYNAMIC NEWS



Larson Supply

Volume 059-1

A publication of the H.M. Sweeny Co.®

Spring 2005

You're invited to our Famous Annual Picnic and Trade Show!

at the **LANDOVER STORE** TUESDAY, APRIL 19, 2005 10AM - 2PM
8371-8373 Ardwick-Ardmore Rd (301)322-9100

at the **ANNAPOLIS STORE** FRIDAY APRIL 29, 2005 10AM-2PM
Virginia and Edgewood Sts (410)268-3498 Balt. (410) 269-1818

BIRTH DAY GIFTS FOR
FEBRUARY
MARCH
& APRIL
LOOK for your name@
www.HMSweeny.com



Why do you need to attend?
Because you have to check your vacuum pump & your
recovery machine!

FREE!!

We will check your vacuum pumps and recovery
machines to make sure they're operating prop-
erly, and we will change your oil FREE!

We will ALSO provide FREE INSPECTIONS on your manifolds gauges,
your micron gauges, and hoses (bring them with you!)

Many booth displays such as:
Ritchie, Nu-Calgon, Prest-O-Lite,
Diversitech, J.W. Harris, Tecumseh,
SUPCO, Klein And more!!

**DON'T MISS OUT
ON THE FAMOUS
SWEENEY FOOD!**



We have reserved a Free gift for you -
You have to be here to claim it!
Lots of door prizes too!!



Please call us and give us an idea of how many vacuum pumps
and recovery machines you're bringing in, in order to make sure
we have all the clinic specialists we need!

(301) 322-9100

www.HMSweeny.com



You will also receive this
Sweeny VIP Club Card to
Six Flags!

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(610) 375-8441

Notice!



H. M. Sweeny Co.
The Educational Department
WWW.HMSWEENEY.COM

The most sought-after, business concept in Refrigeration, Air-conditioning and Heating, by Mr. Backus, will no longer be donated to Prince George's Community College.

This very successful program will continue to be available to all H.M.Sweeny customers and to many related organizations, and associations, along with Mr. Backus' famous lectures.

This concept is based on Mr. Backus' tremendous career experience and success in the technical business, instructional and pioneering achievements stretching for over 40 years. Throughout his career, his abilities have enabled him to contribute toward the success of numerous business establishments including that which he is presently heading and operating. His involvement and contributions to the different vocational localities along with his lectures and speaking engagements have contributed to the educational aspect in the industry.

Mr. Backus' seminars have helped thousands become acquainted with the industry, further enhancing their trade skills, as well as obtaining their required licenses and their EPA certifications.

Many trade publications have written about his involvement and contributions to the Refrigeration Air-Conditioning and Heating Industry.

The unique design of this instructional concept unites the first-year students with students who have previously gained experience from programs at vocational schools, technical schools, or industry involvement.

The design of his lectures and teachings not only enlighten the participants with the technical aspect, but provides methods of teaching towards the business and customer relations extensions of the industry. By broadening their wealth of knowledge, the participant will gain a wider scope for possible employment opportunities with contractors, wholesale distributors, equipment sales, transportation, federal, state, and local government agencies, the armed services, property management, institutional maintenance, restaurant facilities, food services, food distribution, power plants, marine services, industrial plants, and many facilities and agencies.

UPCOMING CLASSES:

- 1 Refrigeration, air-conditioning, and heating class
- 2 Electrical class
- 3 Manual J (heat load calculation class)
- 4 Preparation for the Journeyman's test
- 5 Heat pump class
- 6 Gas heating class
- 7 Oil heating class
- 8 Boiler class
- 9 Duct sizing class
- 10 Electric Motor class
- 11 Brazing and soldering class
- 12 Coil cleaning class
- 13 Mini-split unit class
- 14 EPA class and testing.

These and many other ongoing educational programs are sponsored by the H.M.Sweeny Co. If you are interested in any of the programs or need to have Mr. Backus present one of his lectures to your organization, please contact us.



The Educational Department of the H.M. Sweeny Co. is proud to announce its approval from **North American Technician Excellence (NATE)** as an authorized testing organization.

We are looking forward to representing this organization of excellence towards the common goal of promoting the importance of knowledge and competence of the HVAC Technicians. The H.M. Sweeny Co. and the NATE organization have a common belief, **"A well-trained technician is a good technician"**. How can anyone argue with that statement, because it is backed up by the performance of the technician.



Free Gift for YOU!

Bring this coupon with you, Tuesday April 19, 2005 10:00 AM to 2:00 PM, and receive your Free gift.

Name: _____ Company: _____

Phone: _____ Fax: _____ Email: _____

LANDOVER, MD
(301) 322-9100

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H.M.Sweeny Co.



CERTIFICATION R-410A & R-407C

(Puron, Suva, AZ-11)

The days of R-22 are almost over!

The H.M.Sweeny Co. would like to help its customers by providing them with the tools of knowledge for the future's endeavors.

DO NOT MISS THIS OPPORTUNITY TO ATTEND ONE OF THESE VERY INFORMATIVE SEMINARS.

What will be covered?

The Refrigeration & A/C Cycle ("The Backus Way")
ASHRAE Standards.
Azeotropes.
CFC's: phase-outs, properties, and their replacements.
Clean Air Act.
Compression ratios for R-410A & R-407C.
Compressors for R-410A & R-407C.
De-Superheating.
Difference between R-22 & R40A, R-407C.
Drop-in refrigerants.
EPA: future rule change, technician requirements.
Evaporators for R-410A & R-407C.
Filter-Driers for R-410A & R-407C.
Fractionation.
HCFC.s
FHC.s
Halogens.
IPR Valve settings for R-410 & R-407C.
Leak detection for R-410A & R-407C.
Leak rates.
MSDS Sheets.
Manifold Gauge Sets for R-410A & R-407C.
Metering Devices for R-410A & R-407C.
Microns.
Near-Azeotropic Blends.
Nitrogen: use and safety.
Non-condensables.
Oils for R-410A & R-407C.
Oxygen Deprivation.
ODP.
Pressure of R-410A & R-407C.
Pressure control settings for R-410-A & R-407C.
Properties of the Discharge line.
Recovery operations for R-410R & R-407C.
Reclaiming of them.
Recycling of them.

Refrigerant charging (R-410A & R-407C).
Refrigerant science.
Refrigerant safety.
Safety: Electrical, storing and handling of refrigerants, and general OSA regulations.
Sub cooling.
Superheat for R-410 & R-407C
Saturation.
Temperature Glide for R-410A & R-407C.
The use of the Bubble point & Dew Point Pressure-Temperature Chart. To determine the proper charge for R-410A & R-407C.

Because of the popularity of this offer, you should register now!

In order to accommodate everyone, we will hold this certification seminar multiple times, in accordance to our customers requests.

When you register, please indicate if you want to attend in daytime, or evening, and which day of the week?

The seminars will be held on Monday, or Friday at 8:00am to 12:00 noon, or 5:30pm to 8:30pm, the first week of May and June.

WWW.HMSWEENEY.COM
*Do not miss out!
Fill out the enclosed registration form, or stop at your nearest Sweeny's store.*

**No one should miss these classes!!
Get in touch with us right away.**

SPRING BIRTHDAYS!!

FEBRUARY

Reginal McCotter February 01
David Legerwood February 02
Ralph Kissinger February 02
Artis Strong February 03
Bennie Duncan Jr. February 04
Douglas Waller February 07
John Thompson February 07
Bill Maynard February 11
Willie Jones, Jr. February 11
Frederick Hansen February 12
James Malone Jr. February 13

Rodney Mitchell February 13
Bill Muffley February 14
Milord Roseboro February 15
Walton Edwards February 15
Chris Paolucci February 19
Devon Bell February 19
Barry Nicholson February 21
Horace Bush February 22
James Puffenbarger February 22
Jerry Williamson February 22
Keith Sampson February 22

Derrick Broadnax February 23
Patrick Hickson February 23
Julius Oben February 24
Alfonso Austin February 25
Gerald Massengill February 25
Andy Hsieh February 27
Earl Hoes February 27
Norman M Greenwell February 27
Anad Jagdeo February 28
Frank Marzullo February 29
Remilus Elange February 29

Keith Hare March 02
Odis Bradford March 02
Dewey Chapman March 04
Robert Makel March 05
Abraham Mitchum March 06
Jose Julio Diaz March 06
Thomas Nelson March 06
Daniel Hudak March 08
Gary Clarkson March 08
Joe Creasey II March 10
A Mueller March 11

David Blevins March 12
Henry Moody March 12
Henry Moody March 12
Robert Biddle March 12
Hitendra Patel March 16
Paul Gendron March 18
R. Ridgewell March 18
Reno Gross March 19
Brian Wade March 20
Gene Williams March 20
Ivory Fullard March 20

Stanley Broadley March 21
Lloyd Franklin March 23
Suzette Ricco March 23
Mike Mangum March 24
Humberto Sadazar March 25
Bruce Stewart March 26
Kenneth Neal March 26
Marek Trela March 26
Mr. Jones March 28
Adou Bowaka March 30
Byron McCraney March 30

Reginald Bios Jr March 30
Frederick Walker March 31

MARCH

Donnell Owens April 03
Israel Edison April 07
Kelvin Powell April 08
Mike Cavey April 08
Mike Cavey April 08
Mupepe Kikoni April 08
Roger Poling April 08
Bennie Blair April 11
Kenny Sparrow April 11
Manuel Pardo April 11

Herbert Alston April 12
Tyrone Fludd April 12
Robert Williams April 15
Everett Stanard April 16
Garry Harris April 17
Kevin Walker April 17
Bill Warshauer April 18
Edward Wolff April 18
John Cheeks April 19
Eric Dean April 21

Leon Hart April 21
Darrell McNeil April 22
Phyllis Glenn April 22
Jim Berger April 24
Charles April 25
Donnie Burch April 25
Jimmy Arrington April 25
Roger W Powell Jr April 25
Troy Heflin April 26
Troy Heflin April 26

Robert Massenburg April 28
Victor Ayala April 29
Stephen Scott April 30

APRIL

YOU'LL GET YOURS...

But only if you're on our mailing list. Fill out and return this coupon and receive:

- Information on education classes
- Flyers showing Sweeny's Specials
- Your copy of the THERMO-DYNAMIC NEWS
- And more!! Don't miss out!!!

Fax this coupon today! (301) 322-1562

or

call (301) 322-9100

Company: _____ Date: _____

Your Name: _____

Phone #: (____) _____ Fax: _____

Address: _____

Please check which best indicates your type of business.

Heating ___ Oil Service ___ Electrical ___ Plumbing ___ Refrigeration ___
Real Estate ___ Gas Service ___ Air Conditioning ___
Apartment Maintenance ___
Other, please specify _____

Need your EPA Certification??

H.M. Sweeny's is an authorized
EPA (CFC) Certification Center!!!

~Online computer testing~

~Immediate results~

~Appointments can be scheduled~

Monday-Friday

9am-2pm

For an appointment contact

Ann

Telephone: (301) 322-9100

Fax: (301) 322-1562

H.M. SWEENEY CO.
CORPORATE OFFICES
8373 Ardwick Ardmore Rd.
Landover, MD 20785



Certification for R-410A and R-407C Class

H.M. Sweeney Company, Landover Location

Certification for R-410A and R-407C

For more information call (301) 322-9100 or go to www.hmsweeny.com!

Please fax to: (301) 322-1562

The following persons will be attending the Class:

Cost per person: \$35

Name: _____

Name: _____

Name: _____

Company Name: _____ Phone: (____) _____

Address & Zip: _____

Email: _____ Fax: (____) _____

Payment method: Cash____ Credit Card____ Purchase Order # _____

Circle

Date preferred:

**Monday Morning
Monday Evening**

**Friday Morning
Friday Evening**

MAY

or

JUNE