



THE MAINTENANCE BEACON

Cape Hatteras The Monthly Newsletter of the North Carolina Public School Maintenance Association

Volume 56, Number 8
August 2019

CONTENTS

Steam Basics.....	3
District Seven GT	4
W. Convention Photos.....	5
District Three GT	
Registration Form.....	8
47th Annual Eastern Convention/ Workshop Agenda	9
JP GT Registration Form.....	10
47th Annual Eastern C/W Registration Form (Individual)	11
Guidelines for top Awards.....	11
47th Annual Eastern C/W Registration Form (Multiple)	12

Meet

GARY BURDISS



Gary Burdiss

Gary Burdiss is an active member of NCPSMA. A member for around 15 years, he is faithful to attend the District Seven Meetings as well as the Eastern and Western Conventions. Gary currently serves on the NCPSMA Advisory Council Board, representing District Seven.

Gary was born in Beckley, West Virginia in 1957. His parents were educators. In 1969 his father changed his career path, accepted a position in corporate retail, and moved his family to Boone, NC. Gary said, "Over the years I have watched Boone grow from a little town to a big-time college and resort town." Upon graduation from high school, Gary enrolled at Appalachian State University. He attended for two years and decided he didn't like it. Gary said, "It was a big mistake to leave college, I should have transferred to NC State University." In 1980 he went to work for Sears as a service technician. He said, "I have always liked doing and building mechanical

continued on page 2

MESSAGE FROM THE PRESIDENT

As we begin a new school year, I would like to thank each of you for your continued support of NCPSMA. All involvement from our members, big or small, helps to continue the future success of NCPSMA.

It's been a challenging year for us. Some of our fellow members are still in recovery mode from the hurricane damage last year. We were not able to hold our Eastern Convention last year because of the damage. Many thanks for everyone for your patience. Hopefully, all will go well for our upcoming convention next month and we will be able to gather together again to learn from our workshop presenters and from each other. For the most part we share the same

continued on page 2

47TH ANNUAL EASTERN CONVENTION UPDATE

Since the DoubleTree will not reopen in time for the Annual NCPSMA Eastern Convention Workshop in September, the event has been moved to the Crystal Coast Civic Center in Morehead City. We did not make this decision lightly. Many hours of research were devoted to finding an affordable venue that could "house" us on the "same dates." We are a "large" group and that makes a big difference.

If you paid (or your LEA paid) your NCPSMA registration fee for the 2018 NCPSMA Eastern Convention Workshop, you are still registered for the

continued on page 3

MEETINGS & EVENTS

NCPSMA DISTRICT THREE MEETING

August 1, 2019 at 4pm at Johnston County Schools Facility Services, 601 A West Market Street, Smithfield NC 27577

For more information contact Sue Farmer at 252.399.7823

NCPSMA DISTRICT FIVE MEETING

September 12, 2019 Tour of Facility 4:30-5:30

Registration: 5-5:30 Welcome/Dinner/Meeting 5:30

Paisley IB Magnet/Lowrance Middle School

1400 Grant Ave., Winston-Salem, NC

For more information contact Justin Dyson at 336.661.4999

or Roxie Mack a 336.366.4939/roxiermack@gmail.com

47TH ANNUAL NCPSMA EASTERN CONVENTION/WORKSHOP

September 25-27, 2019 at Crystal Coast

Civic Center, Morehead City

For more information contact Roxie Mack at

336.366.4939 or roxiermack@gmail.com

NCPSMA DISTRICT THREE ANNUAL GOLF TOURNAMENT

October 25, 2019 rain date November 1, 2019

1pm at Wedgewood Public Golf Course, Wilson NC

For more information contact Sue Farmer at 252.399.7823

MEETING DATES

The districts of NCPSMA meet twice yearly.

District 1

January, July

District 2

January, July

Pres. Ronald Moore

Phone: 910.296.1875

District 3

February, August

Pres. Greg Woodard

Phone: 252.399.7822

District 4

February, October

Pres. Cynthia McCabe

Phone: 910.678.2539

District 5

March, September

Pres. EC Stophel

Phone: 336.634.3270

District 6

April, October

Pres. Chris Adkins

Phone: 980.343.4526

District 7

May, November

Pres. Raymond Bowles

Phone: 336.751.1991

District 8

March, November

Pres. Joe Buchanan

Phone: 828.456.2402

Meeting Dates & Locations

Should be sent to The Maintenance Beacon two months in advance for publication.

Deadlines

Publication deadline for articles and advertisements is first day of the month prior to month of publication.

INDEX OF ADVERTISERS

ACR Supply Co	4
Atlantic Coastal Supply, Inc.	8
Carolina Courtworks	8
Davidson Sash & Door	2
D.H. Bruch Marketing, Inc.	2
Duro-Last Roofing	6
Floor Action	3
GGC Gym Gloss Co.....	4
Hardware Distributors	9
Hoffman & Hoffman	8
Image Supply	11
James M. Pleasants Co.	8
Ken Staley Co., Inc.....	10
Lewis Boiler Supply	4
Loman Garrett	4
Matt Marshall & Co.....	6
Reece, Noland & McElrath	8
Richard K. Hunter & Co.	2
Royalwood	2
Saffelle, Inc.....	10
Seven Oaks Doors & Hardware	8
Seven Oaks Supply Co.	4
Sky Enterprises	8
The Blind Butler	10
WC Rouse	3

REMINDER!

The NCPSMA Membership Year started over July 1, 2019. A renewal form is available in this issue of the Maintenance Beacon.

GARY BURDISS

continued from page 1

things. In 1984 I redesigned a 'Garden Tractor' drive system which saved thousands of dollars in warranty claims. I received a huge bonus, an increase in salary and became a part of the Sears Product Technical Training Division. I went to Wilkes Community College and took racing engine courses at night, for a hobby. I have always been an 'automotive person' who likes racing and building 'Street Rods'. The instructor tried to persuade me to go to work for Junior Johnson in the engine room, but I said no because Sears had benefits and retirement and at that time NASCAR was just in the beginning stages of providing those type benefits."

He has been employed in the Electrical/HVAC Department for Wilkes County Schools since 1999. Bergie Speaks, Wilkes County Schools Maintenance Director said, "Gary has worked in our maintenance department for 20 years. He currently works in the North District taking care of two elementary schools, one middle and one high school. Gary is a highly valued member of our team. He is very knowledgeable and takes pride in being able to make things work. Even though I view our department as a team, and I like to call others and be called by name, Gary often comes in calling me BOSS. I know right away he has something on his mind (which usually means spending money) when 'BOSS' is first word I hear. It has been my pleasure to work with him over the last 20 years. He is a great guy and we are lucky to have him as part of our team!"

School maintenance can certainly be challenging. Gary said, "The most challenging part of my job is trying to repair contractor mistakes and making them, hopefully, right." He finds enjoyment in his work through the challenge of solving problems and designing solutions. He said, "I think my best moments at work were wiring a complete control system in a new high school greenhouse and setting up ball field irrigation systems."

Gary is always willing to help with NCPSMA functions. I've asked him to do something on the spur of the moment before and he didn't hesitate. He's that way at work too. Tim Pruitt, Wilkes County Schools Maintenance Office Manager said, "I have worked with Gary now for about 12 years and have found him to be someone that you can turn to when you need help. He is always willing to help out with a project and is found to very knowledgeable in many areas of maintenance. I feel that he is a great asset to our department and count it an honor to be able to have him as a workmate and a friend." Gary finds it beneficial to be a member of NCPSMA. He said, "I think NCPSMA is a great organization. I am disappointed that the county school systems do not make it mandatory for school maintenance personnel to be members so they can keep up with the changes in equipment and codes which are covered in the workshops NCPSMA offers. I am concerned that if something doesn't change with these county school systems, membership is going to decline."

A member of the North Wilkesboro Rotary Club, Gary currently serves on the Board of Directors. He and his wife Kaye have two children, Cody and Cassie. Gary plans to retire within the next 12 months. He wants to "get back into" street rods again. He plans to go on ATV adventures, riding the West Virginia Trail System. He wants to put his grandparents farm in West Virginia (that he now owns) back in immaculate shape like it once was. He plans to stay involved in NCPSMA after he retires. He said, "I plan to remain a member of NCPSMA and come to the conventions with my Wilkes County coworkers."

*By Roxie Mack
NCPSMA Executive Director*

MESSAGE FROM THE PRESIDENT

problems and it is always beneficial to know how other LEA's are dealing with or solving problem situations. We learn about new products from our vendors and in turn our vendors are provided the opportunity to obtain leads for future business opportunities.

Also, if you have not already renewed your membership, we encourage you to do so now. A membership application is provided in this issue of The Maintenance Beacon. If you have any questions concerning membership, please contact me at 336.751.1991/ spillmanm@davie.k12.nc.us or our Executive Director, Roxie Mack at 336.366.4939 or roxiermack@gmail.com.

Let's continue to work together to support each other and our association. I wish you a safe and prosperous 2019-2020 school year.

*Sincerely,
Michael Spillman, NCPSMA State President*

WALKWAY COVERS



REPLACEMENT WINDOWS



Phone 336-249-0276 Fax 336-249-7750

Davidson Sash & Door, Inc.
1358 Piedmont Drive, Lexington, N.C. 27295-1952

WEIL-McLAIN
Without compromise | 1881

Weil-McLain redefines heating all over again.



Richard K. Hunter & Co.
Manufacturer's Agent
3714 Alliance Drive, Suite 405, Greensboro, NC 27407
Box 8347, Greensboro, NC 27419-8347
800-535-4140 / 336-288-7703 (fax)
Call your distributor or visit www.weil-mclain.com to learn more.



BRUCH
MARKETING, INC.
Manufacturers' Representatives
Security, Doors and Hardware

"Make us your Door and Hardware specialists. Call us for proven, on-site training and technical support."

Dedicated to Knowledge, Quality and Service.

- ABH Manufacturing, Inc.
- Best Access Systems
- FRP Architectural
- Krieger Specialty Doors
- National Guard Products, Inc.
- Precision Hardware, Inc.
- Stanley Door Closers & Hinges
- Stanley Commercial Hardware
- Security Door Controls
- Tiger Doors
- Trimco Hardware
- TruStile

352 Crompton Street, Charlotte, NC 28273
Phone: 704-588-5214 • Fax: 704-588-6444
www.bruchmarketing.com

Royalwood Associates
Specialty Flooring

Serving North Carolina, South Carolina & Virginia for over three decades.

www.royalwood.us
919-957-3006



Specializing in Wood & Synthetic Flooring
Services for Public & Private Schools:

- Annual Screening & Recoating
- Sanding & Refinishing
- Court line & logo painting, staining, tinting & design
- Resurfacing (pad & pour)
- Installation & design of new wood & synthetic floors

Gymnasiums, Weight Rooms, Dance Rooms, Stages, Running Tracks, Multi-purpose Rooms, etc.

For more information contact Greg Serpas at 336-707-9976 or greg@royalwood.us

47TH ANNUAL EASTERN CONVENTION UPDATE

continued from page 1

2019 Eastern Convention Workshop since we were unable to hold the event in 2018 due to the effects of the hurricane. You do not need to send in another registration form or registration fee. For LEA's with multiple folks registered, if you need to "switch out a name" please send an e-mail to roxiermack@gmail.com.

We are trying hard to keep the 2019 agenda as close to the 2018 as possible. You can keep a check on the agenda on our website, www.ncpsma.org. Click on the Convention Button from the header on the home page; select Eastern Convention, then select agenda. Click on "agenda" and it will download.

The following hotels have agreed to "honor" the DoubleTree rate of \$129.00:

The Hampton Inn, Morehead City
Address: 4035 Arendell St, Morehead City, NC 28557
Phone: 252.240.2300

The Windjammer, Atlantic Beach
Address: 103 Salter Path Rd, Pine Knoll Shores, NC 28512
Phone: 252.247.7123

The Palm Suites, Atlantic Beach
Address: 602 W Fort Macon Rd, Atlantic Beach, NC 28512
Phone: 252.247.6400

The Beaufort Hotel (not Inn-Hotel), Beaufort
2440 Lennoxville Road
Beaufort, NC 28516
Phone 252.728.3000

The Beaufort Hotel will be a longer commute to the Crystal Coast Civic Center, but it's a very nice, brand new facility, on the waterfront.

When making hotel reservations, you will need to state you are a part of the NCPSMA group to get the rates. Also, you will need to make your reservations as soon as possible to get the rate. They will not be guaranteed up until the time of the event. We sincerely apologize for any inconvenience this causes you in moving your hotel reservations.

Roxie



W.C. ROUSE & SON
BOILER ROOM EQUIPMENT & SERVICES

*Servicing all boiler brands,
24 hours a day, 7 days a week*

Our purpose is simple: **To leave every boiler room better than we found it.**

Offering:

- 24/7 Service
- Parts, for all Boiler Brands
- Boilers, of All Constructions
- Boiler Ancillary Equipment
- New, Used and Rental Equipment



Greensboro, NC
336-299-3035

Charlotte, NC
704-583-4005

sales@wcrouse.com
wcrouse.com

Wilmington, NC
336-299-3035

Columbia, SC
803-765-1477

STEAM BASICS

Part Nine Steam Trap Operation

When discussing steam heating and steam heat exchanger basics, an important component for proper operation is the steam trap. At times, it feels like steam trap selection and sizing is more of an art than a science. Appearances aside, there is a great deal of science behind the selection, sizing, and piping of steam traps. Over the next several weeks we will examine the science of steam trap sizing.

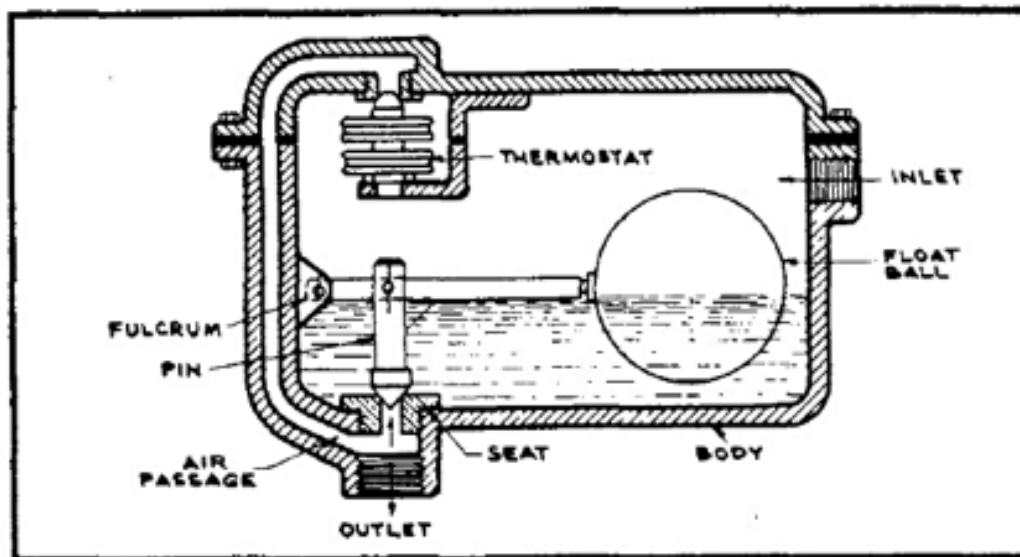
Today, we will look at the operation of the float and thermostatic steam trap used in our example system of a hydronic heat exchanger with a modulating steam control valve. This same logic may be applied to steam coils with modulating steam temperature control valves.

What is a steam trap?

Our industry uses fairly simple names for products. A steam trap does exactly that: it traps steam. When steam flows into the steam heat exchanger shell side we want the steam to condense and give up its latent heat before the leaving the shell as liquid condensate. We need to trap the steam in the heat exchanger or coil until it condenses. Once the steam has condensed, we must remove it quickly. Regardless of the style of steam trap, that's their function. The trap must recognize when steam is present, trap it, and then quickly remove condensate when present. Whether the steam trap is a "float and thermostatic", "inverted bucket", "thermostatic", or "thermodynamic" design, that is what they do.

How does a float and thermostatic (F&T) steam trap work?

The "float and thermostatic," or F&T, steam trap uses a float and lever system to operate. Let's look at how the "float" portion of the steam trap works. The following is a photo representation of the F&T trap from the Xylem Hoffman Specialty Technical Manual TES-375A. These steam traps are normally closed devices. Let's look at how they work.



FLOAT AND THERMOSTATIC STEAM TRAP

The closing force of the trap starts with the differential pressure. This is the inlet pressure minus the outlet pressure. That difference is trying to keep the steam trap closed. The pin is seated by the force exerted due to the weight of the float given the length of the arm. The buoyancy of the float along with the length of the float rod provides the force to overcome the pressure differential and start

continued on page 5

THE MAINTENANCE BEACON

Executive Director: Roxie Mack
Phone: 336.366.4939
Fax: 336.366.4938
E-Mail: roxiermack@gmail.com
Website: www.ncpsma.org

The Maintenance Beacon is the monthly publication of the North Carolina Public School Maintenance Association. Advertising, editorial material, memberships and subscriptions are handled through the office of the Executive Director, 630 Adams Ridge Road, State Road, NC 28676-9536.

NCPSMA does not guarantee, warranty or defend the use of any products or services of those who sponsor, advertise or contribute articles in The Maintenance Beacon.

Officers of the Association

President	Michael Spillman	336.751.1991
Vice President	Reggie Long	910.947.2258
Secretary	Kristie Keener	828.456.2402
Liasion Officer	Bergie Speaks	336.667.2021

Floor Action

Serving your area for over 30 years

We install, repair and refinish all types of floors. Bleacher repair and inspections. Fire and water damage restorations. Power volleyball inserts and installation.

Patrick Morningstar, Owner
Josh Walton, Sales

Toll Free 800.745.6116 Fax 252.291.8042
Local 252.291.6116 scsbyflooraction@gmail.com



“Courage is the power to let go of the familiar.”

~ Raymond Lindquist

DISTRICT SEVEN ANNUAL GOLF TOURNAMENT



On Friday, June 21, 2019 NCPSMA District Seven held their Annual Golf Tournament at Pudding Ridge Golf Course in Mocksville, North Carolina. Raymond Bowles, District Seven President; Michael Spillman, NCPSMA State President; and Lindsay Baltes, Davie County School Maintenance/Facilities Administrative Assistant did an excellent job putting this tournament together.

God blessed us with a beautiful day for the tournament. A total of 17 teams competed with around 40-hole sponsors. A delicious hamburger and hotdog buffet lunch with all the trimmings, as well as dessert was served. Lindsay and Roxie collected registration and Raymond and his wife Angie sold 50/50 tickets. Each player received a door prize ticket for a chance to win a door prize at the end of the tournament. Many thanks to our generous vendors who donated prizes! Raymond and I enjoyed riding a cart throughout the course serving cold drinks, water and snacks to all our players. Michael's wife Angela and Raymond's wife Angie also rode around in a golf cart delivering drinks and snacks.

Cash prizes were awarded to the winners. The "Seven Oaks Doors and Hardware Team" won first place (55). The Lankford Team won second place (61).

It was a fun day of fellowship with our association members and their friends and family members as well as our generous vendors. An enormous THANK YOU

continued on page 6

PARTNER WITH ACR SUPPLY FOR YOUR LG VRF/DFS NEEDS



- Factory Trained Sales Engineers
- Factory Trained Technical support
- ACR Training Facility
- Installation Site Visits
- LG Excellence Program
- Job Site analysis

INSIDE SALES 336-217-0090 | 336-217-9222
SCAN QR CODE FOR MORE INFORMATION FROM LG



Parts & Service 24 hours a day, 7 days a week!
Phone: (336) 697-2090 Fax: (336) 697-8247

LEWIS BOILER
3127 Cedar Park Road
Greensboro, NC 27405
www.lewisboiler.com

We Keep the Fires Burning!
We Carry ALL Makes/Models for steam, oil, gas, or hot water boilers

- | | |
|------------------------|----------------------|
| HONEYWELL CONTROLS | OIL FILTERS |
| HOFFMAN | TOPOG-E GASKETS |
| BELL & GOSSETT | FIREYE CONTROLS |
| BOILER SECTIONS | McDONNELL-MILLER |
| GOODWAY BRUSHES | REGULATORS, TRAPS |
| GLOBE, GATE, SOLENOID, | ITT GENERAL CONTROLS |
| BUTTERFLY, ETC. VALVES | IGNITORS/ELECTRODES |
| OIL NOZZLES | REFRACTORY MATERIAL |
| BURNERS & ACCESSORIES | PIPE FITTINGS |



Complete installation of new sports floors
Deep sanding and refinishing of existing sports floors
Custom design and painting
Annual buffing and re-coating

Mike Causby 336.765.0680 • Toll Free 888.770.8489
108 Tucker Avenue • Winston-Salem, NC 27104 • CarolinaWoodFloors.net



Wall Mount Equipment
and Parts!



50% Quieter
20% More Efficient

*And ...
"Service Simple"*

LG
Loman Garrett
Precision Climate Management
800-669-1761

MEMBERSHIP APPLICATION

Please mail this form with your dues payment (\$20) to:
NCPSMA, 630 Adams Ridge Road, State Road, NC 28676-9536

Name _____

Address _____

City _____ State _____ Zip Code _____

Telephone (____) ____ - _____ Email _____

School System _____ District _____

Company _____
(Individual memberships only-no 'company' memberships)

If you would like a reminder sent to your e-mail each month when the latest edition of the Maintenance Beacon is available online, please check below.

_____ Yes I would like a reminder sent.

Seven Oaks
SUPPLY COMPANY
CUTTING-EDGE CLEANING CONCEPTS

- YOUR #1 SOURCE FOR...**
- CUTTING-EDGE FLOOR CARE PRODUCTS
 - RESTROOM CLEANING PROGRAMS
 - ODOR CONTROL
 - FLOOR CLEANING EQUIPMENT
 - PAPER PRODUCTS & DISPENSERS

800-230-7460
OAKBORO, NC

11TH ANNUAL WESTERN CONVENTION EXHIBITOR PICTURES



STEAM BASICS

continued from page 3

to lift the pin off of the seat to start the condensate flowing out of the trap. As the condensate rate into the trap increases, the float rises more, exposing more of the opening which allows the condensate discharge rate to increase. This is why these traps are referred to as modulating traps and are ideal for modulating control applications.

Here is a small screen shot of the Xylem Hoffman F&T trap selection table:

Capacities (Gross Ratings)

Model	Size in.	Orifice Size in. (mm)	Pressure Differential in Pounds Per Square Inch (bar)																	
			1/4 (0.017)	1/2 (0.035)	1 (0.07)	2 (0.14)	5 (0.35)	10 (0.69)	15 (1.0)	20 (1.4)	25 (1.69)	30 (2.1)	40 (2.8)	50 (3.5)	60 (4.2)	75 (5.2)	100 (6.9)	125 (8.6)	150 (10.4)	175 (12.1)
			Capacities in Pounds of Condensate Per Hour (kg/hr.)																	
FT015H-3	3/4	253 (6.4)	390 (177)	500 (227)	680 (308)	910 (413)	1100 (500)	1450 (658)	1600 (725)											
FT015H-4	1	253 (6.4)	390 (177)	500 (227)	680 (308)	910 (413)	1100 (500)	1450 (658)	1600 (725)											
FT015H-5	1 1/4	312 (8)	600 (272)	770 (350)	980 (444)	1240 (562)	1640 (744)	2000 (907)	2340 (1062)											
FT015H-6	1 1/2	500 (13)	1280 (581)	1700 (771)	2050 (930)	2550 (1157)	3000 (1368)	4400 (1996)	5300 (2404)											
FT015H-8	2	687 (17)	2500 (1134)	3150 (1429)	4000 (1814)	5000 (2268)	6800 (3084)	8300 (3765)	9800 (4405)											
FT030H-3	3/4	235 (6)	380 (172)	470 (214)	630 (285)	870 (395)	1050 (475)	1380 (625)	1530 (695)	1700 (770)	1820 (825)	1900 (860)								
FT030H-4	1	235 (6)	380 (172)	470 (214)	630 (285)	870 (395)	1050 (475)	1380 (625)	1530 (695)	1700 (770)	1820 (825)	1900 (860)								
FT030H-5	1 1/4	253 (6.4)	420 (190)	550 (250)	740 (335)	1000 (450)	1200 (545)	1550 (700)	1780 (800)	1850 (840)	2000 (907)	2200 (1000)								
FT030H-6	1 1/2	438 (11)	580 (263)	800 (362)	1200 (544)	1680 (762)	2600 (1179)	3500 (1587)	4500 (2041)	5200 (2358)	5700 (2585)	6100 (2766)								
FT075H-3	3/4	166 (4.2)	180 (72)	210 (95)	280 (125)	360 (165)	520 (235)	700 (320)	800 (360)	870 (395)	930 (420)	970 (440)	1120 (510)	1230 (560)	1300 (590)	1450 (658)				
	1	166 (4.2)	180 (72)	210 (95)	280 (125)	360 (165)	520 (235)	700 (320)	800 (360)	870 (395)	930 (420)	970 (440)	1120 (510)	1230 (560)	1300 (590)	1450 (658)				

XYLEM HOFFMAN F&T TRAP SELECTION TABLE

What happens if the inlet pressure is greater than the F&T trap rating?
 As stated above, the float weight, lever length, and seat diameter are all selected to overcome the pressure differential expected. If the pressure differential is greater than expected, the trap will not open. This is true of most steam traps including inverted bucket traps. This will cause lack of heat and possible damage to equipment as the condensate continues to back up. If a float and thermostatic steam trap is not allowing condensate to pass, the technician should verify the steam pressure versus the design pressure of the trap. Also, if a steam trap float has collapsed, it will not be buoyant enough to open the trap. F&T steam traps fail closed.

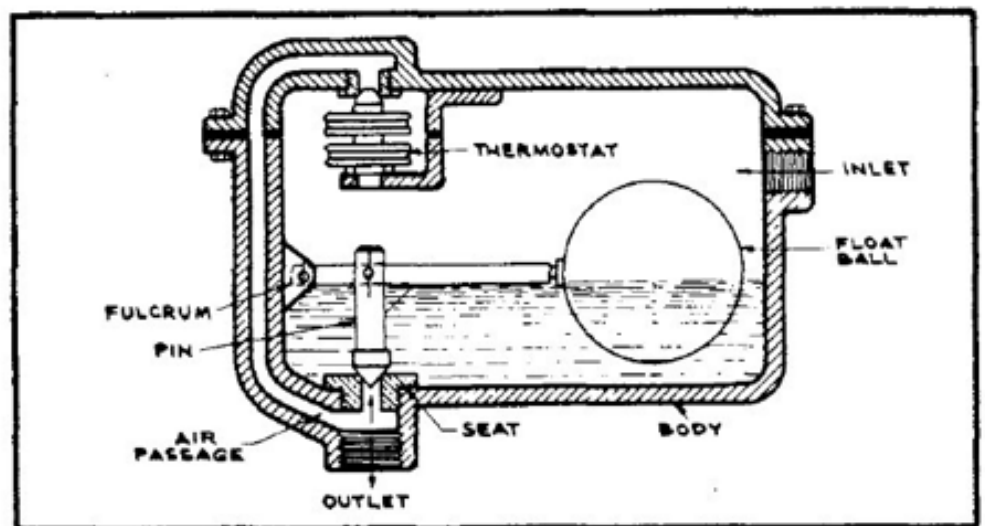
Next, we'll continue with the operation of the thermostatic portion of float and thermostatic steam traps. We will also provide more information about field troubleshooting of steam traps.

Part 10 – Understanding the Thermostatic Portion of a F & T Trap

Steam traps play a very important role in steam systems. Last week, we discussed how the float portion of a float and thermostatic (F&T) steam trap operates. This week, we will explore the operation of the thermostatic portion of the steam trap.

Why is the thermostatic portion of a float and thermostatic (F&T) steam trap important?

The “float and thermostatic” or “F&T” steam trap uses a float and lever system to operate. It also employs a thermostatic element. Here is a cross section drawing of a F&T trap from the Xylem Hoffman Specialty Technical Manual TES-375A.



FLOAT AND THERMOSTATIC TRAP

It is a simple scientific fact that two things cannot occupy the exact same space at the same time. It follows that in order for steam to enter a heat exchanger, some of the air inside the steam exchanger must be removed. The large volume of air present in the heat exchanger shell when the steam control valve opens must push through the trap to make room for steam to enter the shell.

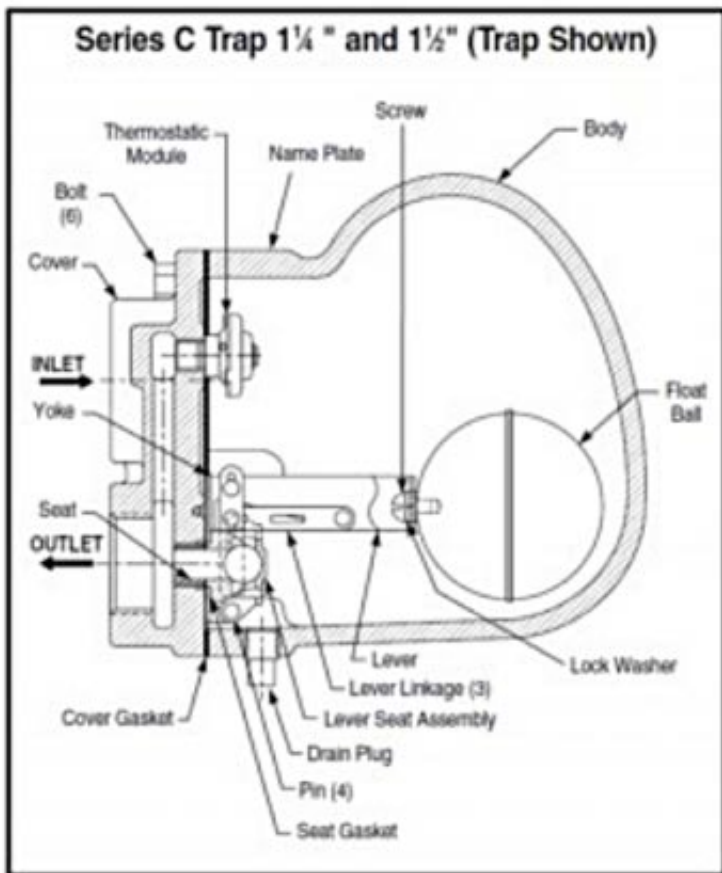
STEAM BASICS

continued from page 5

In the last blog we learned that the float and thermostatic steam trap is normally closed. So how does the air get pushed through a closed steam trap? This is the job of the thermostatic element in an F&T steam trap. The thermostatic element, which consists of a bellows with a pin attached, is normally open. When the hot steam enters the trap, the bellows expands and the vent closes. Hoffman sizes that element to match the intended capacity of the steam trap. The larger the capacity, the larger the thermostatic vent.

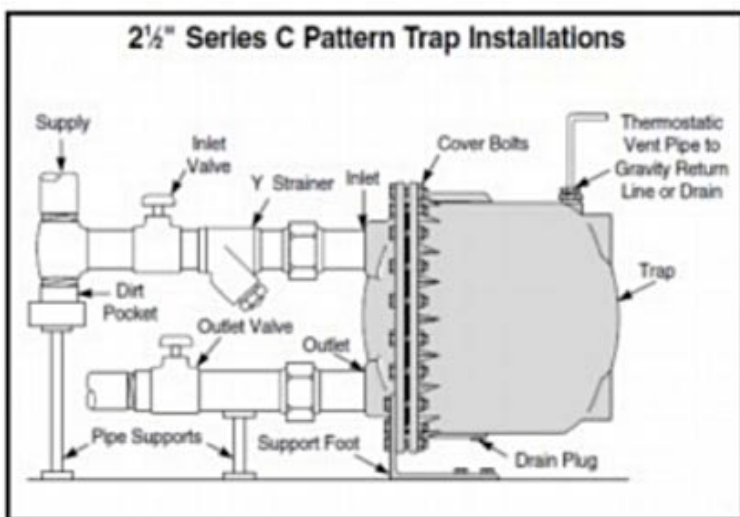
What if the thermostatic portion of a float and thermostatic (F&T) steam trap fails?

The cutaway detail of one Hoffman F&T steam trap is shown below. Notice that the thermostatic bellows is internal to the trap. If the bellows fails open, steam will pass through the opening to the outlet. This will waste energy and possibly cause steam hammer in the condensate return pipe.



If the thermostatic bellows fails closed, air will not be vented and there will be improper heating. There are simple checks for the heating technician in the Hoffman installation, operation, and maintenance manuals to rectify this situation.

One final note on thermostatic vents in F&T steam traps. Larger (2-1/2") traps have an external vent. This vent opens and closes when the temperature control valve cycles. It will spit vapor during the cycles. It may leak a bit when closing and if it fails open or if debris is present, steam may escape. These vents should be piped to the gravity return pipe. If this is not possible then the vent pipe should go to a drain with a piping seal trap.

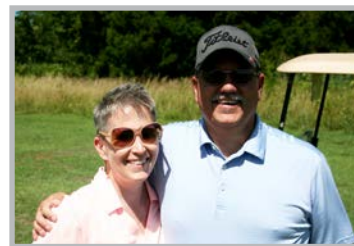


We select and F&T trap for our heat exchanger example because we have a modulating control valve. This is advantageous in this type of application because of the fast venting of air using the thermostatic vent and also the continuous modulation of the trap. Removing air from the trap is critical to proper operation with cycling applications. If the air is not removed, the condensate cannot enter the trap and we may back up condensate into the heat exchanger, causing damage to the tubes. Modulation is important because this application has a wide variety of capacities from design all the way down to a couple percent of design load.

*By Chad Edmondson (JMP) and Norman Hall (RLD)
Reprinted by permission, James M. Pleasants Company
Stay Tuned for Part Eleven & Twelve*

DISTRICT SEVEN ANNUAL GOLF TOURNAMENT

continued from page 4



to all who participated. We appreciate our vendors for making this tournament a success. Following is a list of vendors who sponsored holes: Fuller Welding and Fabricators, Inc.; Carolina Fire Systems Protection, Inc.; Seven Oaks Supply Company; Premier Supply, Inc.; Thermal Resource Sales; Watson Electrical; Consultant Engineering Services, Inc.; Commercial Air Systems, Inc.; Fuller Architecture, Inc.; Wilkes Electric Motors; Lewis Boiler Service Company; Webb Heating & Air Conditioning Company; Wolf Trail Engineering, PLLC; Secure South; Water Tech Laboratories, Inc., Associated Heating and Air Conditioning, Inc.; Commercial Sound, Inc.; Republic Services; Jim's Custom Windows, Inc.;

Loman Garrett, LLC; Shields, Inc; Walter, Robbs, Callahan & Pierce Architects; Davie Construction Company; Shaw Contract; Studebaker Control Solutions, Inc.; Seven Oaks Doors and Hardware; Conover Construction & Roofing, Inc.; Myers Septic

continued on page 12

BOILER-BURNER / SALES & SERVICE

MATT MARSHALL & CO.

INDUSTRIAL EQUIPMENT & SUPPLIES

GREENSBORO, N.C.

PH: 336-292-8477 FAX: 336-299-0249

1-800-632-1274

Email: Sales@MMCO.net

"Call us for your boiler room supplies."

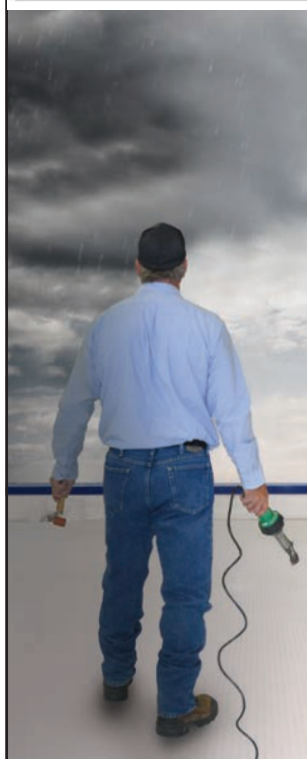
- ASCO "REDHAT" VALVES
- BACHARACH
- BELL & GOSSETT
- CONBRACO
- ELECTRODES
- FIREYE
- GAUGES
- HONEYWELL / RM 7800

- ITT GENERAL CONTROLS
- MAXITROL
- McDONNELL-MILLER
- SPIROTHERM
- THERMOMETERS
- TOPOG-E GASKETS
- TRANSFORMERS
- WATTS VALVES

WWW.MMCO.NET Email: Sales@MMCO.net

★ *Serving Industry Since 1954* ★

"Steam Is Our Specialty"



Duro-Last®; the most water, wind and worry-resistant roof in the business.

Duro-Last's industry leading warranties are supported by prefabrication of roof panels and membrane accessories in a factory quality controlled environment. This eliminates up to 85% of field welding. Our highly trained technical field team inspects the field welded seams. Once you put a Duro-Last roof on, you can put it out of your mind.

Edge-to-Edge & Deck-to-Sky™

Bill Paynter
919-265-9045
Eastern NC

Jim English
980-875-8187
Western NC



DURO-LAST
THE WORLD'S BEST ROOF™
Visit duro-last.com
or call to find out more.

11TH ANNUAL WESTERN CONVENTION EXHIBITOR PICTURES

continued from page 5



THANK YOU TO ALL OF THE VENDORS!

AUGUST 2019 • THE MAINTENANCE BEACON
NCPSMA ANNUAL GOLF TOURNAMENT
DISTRICT III SUPERBALL TOURNAMENT

DATE: October 25, 2019

RAIN DATE: November 1, 2019

PLACE: Wedgewood Golf Course
 3201 Old Stantonsburg Road, Wilson, NC

Entry Fee: \$50.00 per person
 \$200.00 per team
 (THIS INCLUDES: GREEN FEE, CART & LUNCH)

ALL CHECKS: PAYABLE TO: NCPSMA DISTRICT III

REGISTRATION FORM and PAYMENT FOR HOLE
SPONSORSHIP AND TEAMS ARE DUE BY OCTOBER 11, 2019

!!!!!!!!!!!!ATTENTION!!!!!!!!!!!!
IF PAYMENT IS NOT RECEIVED BY THIS DATE
YOU CANNOT PARTICIPATE.

LUNCH AT NOON

Shotgun start at 1:00 PM

Prizes Include: Low Score, Closest to Pin, Longest Drive
 Hole Sponsorship: \$100 per hole
 Mulligan's: \$5.00 each (MAX) 2

COMPLETE:

Team Name: _____

Team Players Names: _____

Address: _____

School Unit or Company: _____

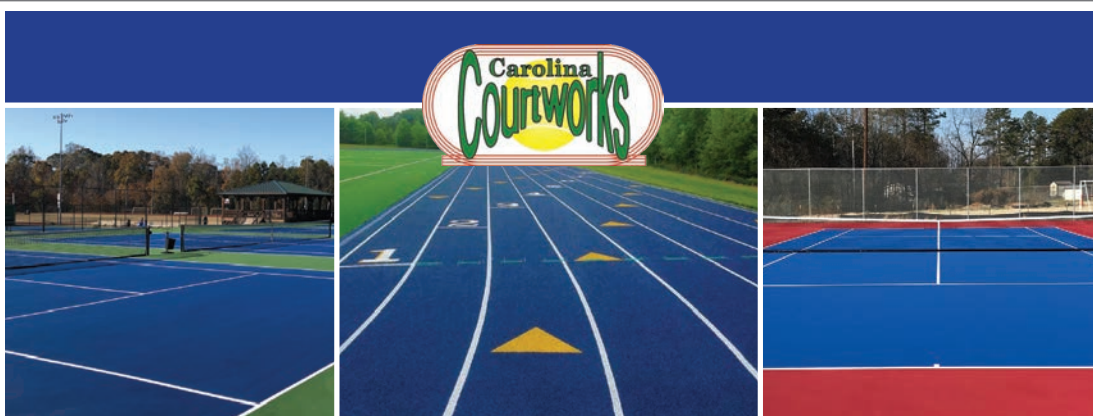
RETURN TO:

Wilson County Schools – Maintenance Department
 PO Box 3878, Wilson, NC 27895
 Attention: Sue Farmer-Golf Tournament

Phone – 252-399-7823

Fax – 252-243-7197

Email: sue.farmer@wilsonschoolsnc.net



Carolina Courtworks is a licensed contractor of start to finish tennis and track complexes. From courts, fences, lighting, nets and other accessories, we can cover all your needs. If you're looking to resurface, reconstruct or construct we have been working in North and South Carolina for more than 27 years.

Carolina Courtworks
 carolinacourtworks.com

(704) 392-6556 | 8715 Sidney Circle, Suite 600 | Charlotte, NC 28269

SEVEN OAKS DOORS & HARDWARE, INC.
 www.SevenOaksHardware.com

Call us for all your doors, hardware, access control, and toilet partition needs.

Oakboro, NC
704-485-2014

Authorized Security Center
 ALLEGION

SKY Cooling Towers Softners
 Hot & Cold Water Loops Boilers
 Pumps Timers Controllers

SKY ENTERPRISES, INC. (252) 522-1435 • 1-800-729-0590
 Water Treatment Specialist PO Box 1764 • Kinston, N.C. 28503

HOFFMAN HOFFMAN, INC.
 Hoffman Building Technologies
 A Division of Hoffman • Hoffman, Inc.

Building efficient, indoor environments in the Carolinas, eastern Tennessee and Virginia since 1947

We are proud to rep manufactures like

- ◆ McQuay
- ◆ Greenheck
- ◆ Evapco
- ◆ Daikin
- ◆ AAF-Herman Nelson
- ◆ Markel
- ◆ Munters
- ◆ Lennox
- ◆ Enviro-Tec
- ◆ ABB Drives

CALL NOW! Have an emergency? We are here to help! Call today and we will get you the parts you need fast!

HVAC PARTS TODAY!!!
1-800-332-2295

Atlantic Coastal Supply, Inc.
 Plumbing & Industrial Specialties

www.acsparts.net
 PO Box 2887
 Greenville, NC 27836
 Phone: 800.520.0556 • Fax: 800.204.5630 • Email: sales@atlanticcoastalsupply.com

JMP

HYDRONIC AND STEAM EQUIPMENT, PUMPS, HEAT EXCHANGERS, COOLING TOWERS, WATER SOURCE HEAT PUMPS, PLUMBING

CLIMATEMASTER Geothermal Heat Pump Systems

Lochinvar CONDENSING BOILERS WATER HEATERS

B&G Bell & Gossett CENTRIFUGAL PUMPS HEAT EXCHANGERS

HYFAB HYDRONIC PACKAGES PRESSURE BOOSTERS

BAC COOLING TOWERS

James M. Pleasants Company
 Greensboro-Charlotte-Raleigh-Wilmington
 www.jmpco.com
 800-365-9010

“Responding to Modern Engineering Challenges
With Innovative, Cost Effective Solutions”

RNM ENGINEERS
Reece, Noland & McElrath, Inc.
 409 North Haywood Street / PO Box 540
 Waynesville, NC 28786
 Waynesville (828) 456-9851 Asheville (828) 253-3280
 Fax (828) 456-6205
WWW.RNM-ENGINEERS.COM

47TH ANNUAL NCPSMA EASTERN C/W TENTATIVE AGENDA

Crystal Coast Civic Center, Morehead City, NC
September 25-27, 2019

Wednesday 9/25

- 8:00-5:00** Registration
- 8:00-10:00** "Locksmith License Renewal" (2 CEU's)
Presented by ASSA ABLOY
"Dualwater" (tentative) (2 CEU's -must attend all 3 classes)
Presenter Presented by Mark Wessel and Bob Fritts, NC AWWA-WEA
"Plumbing/HVAC"
Presented by James M. Pleasants
- 10:00-11:00** "Lead-Based Paint and AHERA Regulations-NC and EPA"
Presented by James Lueck Industrial Hygiene Consultant, N.C. Department of Health Human Services
"Anatomy of a Roof Warranty"
Presented by W. Nelson Hall, COO – Wolf Trail Engineering, PLLC
"EPA Updates on New and Old Refrigerants"
Presented by ACR Supply
- 10:00-noon** "Ornamental & Turf Pest Control" (2 CEU's)
Presenter TBA
- 10:15-12:15** "Locksmith License Renewal" (2 CEU's)
Presented by ASSA ABLOY
"Dualwater" (tentative) (2 CEU's -must attend all 3 classes)
Presented by Mark Wessel and Bob Fritts, NC AWWA-WEA
"VFD Project, Rebates, Savings" (2 Electrical CEU's)
Presented by Will Hill, State Electric, Toby Wingler, CW Electric & Tom Holcombe, Eaton Corporation
- 12:15-1:45** Advisory Council Meeting
- Noon** Lunch on Your Own
- 2:00-3:00** Opening Session and Business Session
- 3:30-5:30** "Ornamental & Turf Pest Control" (2 CEU's)
Presenter TBA
"Bleacher and Athletic Equipment Safety and Maintenance"
Presented by Matt Knight, Facili-Serv
"Record Keeping"
Presenter TBA
"Small Engine Repair"
Presenter TBA
"Sure Comfort Technical Advice"
Presented by ACR Company
"Dualwater" (tentative)
(2 CEU's -must attend all 3 classes)
Presented by Mark Wessel and Bob Fritts, NC AWWA-WEA
"Locksmith License Renewal" (2 CEU's)
Presented by ASSA ABLOY


Thursday 9/26

- 7:00** 32nd Annual Handi-Clean Jay Palmer Memorial Scholarship Golf Tournament, Sponsored by Handi-Clean Products, Inc.
- 7:00-9:00** "Electrical" (2 CEU's)
Presented by Danny R. McManus Jr., Union County Schools
Facilities Assistant Director

Thursday 9/26 continued

- "Structural Pest" (2 CEU's)
Presenter TBA
- 9:00-9:30** Exhibitor Selection
9:30-11:00 Exhibitor Setup
- 9:30-11:30** "Electrical" (2 CEU's)
Presented by Danny R. McManus Jr., Union County Schools
Facilities Assistant Director
- "Structural Pest" (2 CEU's)
Presenter TBA
- 11:00-12:00** Superintendents & Directors visit with Exhibitors
- Noon** Lunch on Your Own
- 12:00-1:00** State Officers, Superintendents & Directors Lunch
- 1:00-5:00** Visit with Exhibitors
- ## Friday 9/27
- 8:00-4:00** Registration
- 8:00-10:00** Breakfast with Exhibitors
- 10:00-12:00** "Electrical" (2 CEU's)
Presented by Danny R. McManus Jr., Union County Schools
Facilities Assistant Director
- 10:00-12:00** "Lockpicking-Hands On/ Locksmith License Renewal" Part One (2 CEU's-must attend both classes)
Presented by Carl Jobe, Guilford County Schools, Retired
- 12:00-1:30** Cornhole Tournament / \$5 Entry fee (includes lunch)
- 1:30-3:30** "Electrical" (2 CEU's)
Presented by Danny R. McManus Jr., Union County Schools
Facilities Assistant Director
- "Lockpicking-Hands On/ Locksmith License Renewal" Part Two (2 CEU's-must attend both classes)
Presented by Carl Jobe, Guilford County Schools, Retired
- 6:00-Until** "Awards Banquet"
Glenn Ward, Guest Speaker

Hardware Distributors Inc.
WHOLESALE DISTRIBUTOR FOR
MAJOR BRANDS OF

 **Builders Hardware—**
Architectural Wood Doors, CECO Hollow Metal
Doors & Frames Washroom Accessories &
Toilet Partitions
PO Box 16847 216 Industrial Ave.
Greensboro, NC 27406 1-800-632-1324

DON'T DELAY

Don't Miss Out!

Don't delay in making your reservations for the 47th Annual NCPSMA Convention Workshop. The following hotels have agreed to honor the DoubleTree rate of \$129. This rate may not apply to dates before or after our convention (September 25-27).

Hampton Inn in Morehead City
252.240.2300

Palm Suites in Atlantic Beach
252.247.6400

Windjammer in Atlantic Beach
252.247.7123

The Beaufort Hotel (Hotel in Inn) in Beaufort
252.728.3000

Also, please remember the preregistration deadline is August 10. Please make every effort to meet the preregistration deadline as it is essential to have accurate information to help ensure our event is well organized and ready for your arrival.

AWARDS BANQUET

We have a special speaker lined up for our Eastern Convention Awards Banquet, Mr. Glen Ward; a professional humorist and inspirational speaker. His engagements take him all across America addressing corporations; national, regional, and state associations; government agencies; chambers of commerce; schools; civic organizations; and churches.

His wholesome humor involves hilariously accurate impersonations of well-known political and musical celebrities. He also entertains his audiences with stories and life lessons learned from his experiences growing up in a minister's home.

We are looking forward to his presentation for NCPSMA!

36TH ANNUAL HANDI CLEAN JAY PALMER MEMORIAL SCHOLARSHIP GT REGISTRATION FORM

Sponsored by: Handi-Clean, Inc.

Date: September 26, 2019

Place: Star Hill Golf and Country Club
Highway 58, Cape Carteret, NC

Entrance Fees: \$50

(Due on Tournament Date ...

this includes Cart and Green Fees)

Scores will be handicapped by Callaway System

• **SPECIAL NOTICE** • Starting times will be arranged beginning at 7:28 am

TROPHIES

*Low Gross - 1st and 2nd

*Low Net - 1st and 2nd

*Longest Drive *Closest to Pin

*Other Prizes and Awards

Complete and Return Your Application

Name _____

Address _____

Average Score _____

School System Name _____

District _____ or Company Name _____

Return to :

Tournament Director,

Handi-Clean Products

301 South Swing Road

Greensboro, NC 27409

Phone 336.292.3083

Fax 336 292 3086

KEN STALEY COMPANY, LTD

4675 ROUTE 64 • BUILDING #16 • FRANKLINVILLE • NC 27248 • www.bleacher101.com

OFFICE: 336.685.4294 • FAX: 336.685.4242 • EMAIL: bleacher101@hotmail.com

BLEACHERS

GYM & OUTDOOR

- Safety Inspection & Repair Work
- Annual Service Program Offered • Handicap Areas
- Full Power Electrical Systems • Portable Power Systems
- Safety Rails • Outdoor Seating Sales and Installation
- Authorized & Certified • Bleacher Installers
- Basketball Goals Installed and Repaired

MORE THAN 40 YEARS OF SERVICE

SEE US FOR ALL OF YOUR BLEACHER NEEDS!

Saffelle, Inc.
SANITARY MAINTENANCE EQUIPMENT & SUPPLIES
"Partnering with a Passion"
1-800-672-4525
GREEN EARTH
www.saffelle.com

The Blind Butler, Inc.
Your North Carolina Source for Onsite Stage Drapery Dry Cleaning and Flameproofing!
Stephen McKee
President
(910) 794-1664
Wilmington, NC
www.theblindbutlerinc.com

**47TH ANNUAL NCPSMA EASTERN CONVENTION/
WORKSHOP **INDIVIDUAL** REGISTRATION FORM**

September 25-27, 2019 * Crystal Coast Civic Center, Morehead City, NC

Current or Retired Employees must be a current member to attend. **Registration check-in at the convention will go much quicker for you if your membership is current before you arrive.**

IMPORTANT INFORMATION – EACH PERSON attending the Awards Banquet (members as well as spouses, children, friends, etc., MUST PURCHASE a Banquet Ticket IN ADVANCE. NCPSMA welcomes members to bring their family or friends to our Awards Banquet, but you must purchase each person a Banquet Ticket (\$10 each) in advance. NCPSMA must provide a count for the Awards Banquet two weeks prior to the event and we only order meals for those who purchased a Banquet Ticket in advance because the Banquet meal price for each individual is around \$50. Please contact Roxie Mack if you have any questions at (336) 366-4939 or roxiermack@gmail.com.

PLEASE PRINT

Name: _____ Name of School System (LEA): _____
 Address: _____
 City: _____ State: NC Zip _____
 Office Phone: _____ FAX: _____
 E-mail Address: _____

***REMINDER: If you would like to bring your spouse, children, friends, etc. to the Awards Banquet on Friday night, you MUST purchase a Banquet ticket in advance.**

Conference Fees: Please circle all fees and items that apply and fill in blocks where appropriate.

PREREGISTRATION Before August 10, 2019		REGISTRATION After August 10, 2019		MEMBERSHIP		BANQUET TICKET MUST BE PURCHASED IN ADVANCE		TOTAL
Cash/Check	Credit/Debit	Cash/Check	Credit/Debit	Cash/Check	Credit/Debit	Cash/Check	Credit/Debit	
___ x \$70	___ x \$72	___ x \$80	___ x \$83	___ x \$20	___ x \$21	___ x \$10	___ x \$11	

There will be no refunds after August 30, 2019.

Payment Information

Checks: Payable to NCPSMA and mail to NCPSMA, 630 Adams Ridge Road, State Road, NC 28676

Credit/Debit Cards: Please call Roxie Mack at (336) 366-939 with your information and the transaction will be completed online during the call. NCPSMA does not retain credit/debit card information. **Please email or fax a completed registration form before calling Roxie Mack.**

*Regular or Regular/Retired members are those currently employed and/or retired members in/of a NC Public School System. All others must register through Roxie Mack at (336) 366-4939 (phone); (336) 366-4938 (FAX) or roxiermack@gmail.com.

For more information concerning this event please visit our website at www.ncpsma.org.

GUIDELINES FOR TOP AWARDS

Nominations are being sought for the 2019 NCPSMA Maintenance Director of the Year, Maintenance Employee of the Year and Superintendent of the Year. The Maintenance Director of the Year and Maintenance Employee of the Year awards were established 32 years ago by Milt Saffelle and are sponsored annually by Saffelle, Inc. This is the 23rd year the Superintendent of the Year award has been sponsored by Saffelle, Inc.

Should you wish to nominate a candidate, please supply the information outlined below and return to the chairman of the NCPSMA Awards Committee by August 10, 2019. To qualify as a candidate for Superintendent of the Year, candidates may be superintendents, associate/assistant superintendents, who have the responsibilities for maintenance. They must be current members of NCPSMA.

Maintenance Directors are defined as those who serve as direct heads of maintenance departments. Maintenance Employees are defined as other members of maintenance staffs.

1. Nominees for Supervisor of the Year or Employee of the Year awards must be currently employed as a maintenance person in an educational system in the state of North Carolina.
2. The nominee must have been an active member of the NCPSMA for the last five **consecutive** years.
3. The nominee cannot be the current state president.
4. Nominations must be made by an active member of NCPSMA. There should be a letter of nomination signed by the active member. Only one nominee, per category, may be submitted from each LEA. If more than one nominee, per category, from an individual LEA is submitted, same category nominations from said LEA will be **disqualified**. This decision was passed by the NCPSMA Advisory Council, May 2016.
5. Nominees must be from the NCPSMA **District** making the nomination.
6. The following data must be supplied for each candidate:
 - A photograph of the nominee must be included and placed on a separate sheet of paper.
 - A biographical sketch, preferably in narrative form and no more than two pages in length, including the nominee's achievements that have contributed to success in NCPSMA and other professional involvement.
 - No other information on nominee will be accepted.

The Awards Committee is comprised of the NCPSMA One Year Advisory Council Members and Milt Saffelle, chairman. Saffelle serves in an exofficio capacity and does not have voting privileges. In case of a tie the current state vice president will have voting privileges. All nominations must be submitted no later than August 10, 2019 to: Milton Saffelle, Chairman, NCPSMA Awards Committee, PO Box 1499, Hillsborough, NC 27278.



47TH ANNUAL NCPSMA EASTERN CONVENTION/ WORKSHOP **MULTIPLE** REGISTRATION FORM

Current or Retired Employees must be a current member to attend. **Registration check-in at the convention will go much quicker for you if your membership is current before you arrive.**

IMPORTANT INFORMATION – EACH PERSON attending the Awards Banquet (members as well as spouses, children, friends, etc., **MUST PURCHASE a Banquet Ticket IN ADVANCE.** NCPSMA welcomes members to bring their family or friends to our Awards Banquet, but you must purchase each person a Banquet Ticket (\$10 each) in advance. NCPSMA must provide a count for the Awards Banquet two weeks prior to the event and we only order meals for those who purchased a Banquet Ticket in advance. When registering multiple people, most LEA's include an "individual" payment form (check, money order or cash) for banquet tickets when they mail in the registration forms and LEA payment. Please contact Roxie Mack if you have any questions at (336) 366-4939 or roxiermack@gmail.com.

PLEASE PRINT

Contact Person: _____
 Name of School System (LEA): _____
 Address: _____
 City: _____ State: NC Zip _____
 Office Phone: _____ FAX: _____
 E-mail Address: _____

***REMINDER:** If those you are registering would like to bring their spouse, children, friends, etc. to the Awards Banquet on Friday night, they **MUST** purchase a Banquet ticket in advance.

Convention/Workshop Fees: Please circle all fees and items that apply and fill in blocks where appropriate.

NAME	PREREGISTRATION Before August 10, 2019		REGISTRATION After August 10, 2019		MEMBERSHIP		BANQUET TICKET MUST BE	TOTAL
	Cash/Check ___ x \$70	Credit/Debit ___ x \$72	Cash/Check ___ x \$80	Credit/Debit ___ x \$83	Cash/Check ___ x \$20	Credit/Debit ___ x \$21		

There will be no refunds after August 30, 2019.

Payment Information
Checks: Payable to NCPSMA and mail to NCPSMA, 630 Adams Ridge Road, State Road, NC 28676
Credit/Debit Cards: Please call Roxie Mack at (336) 366-939 with your information and the transaction will be completed online during the call. NCPSMA does not retain credit/debit card information. **Please email or fax a completed registration form before calling with credit card info.**

*Regular or Regular/Retired members are those currently employed and/or retired members in/of a NC Public School System. All others must register through Roxie Mack at (336) 366-4939 (phone); (336) 366-4938 (FAX) or roxiermack@gmail.com.

For more information concerning this event please visit our website at www.ncpsma.org.

DISTRICT SEVEN ANNUAL GOLF TOURNAMENT



(l-r) Second Place prizes awarded by Ron Mack, George Lankford and Leroy Church



First Place winners l-r Joe Burchett, Robin Benson, Michael Spillman, Phillip Floyd

continued from page 6
 Tank Services; Mazzini's, Inc.; United Refrigeration; Seating Safety Solutions; Swicegood Supply Company, Inc.; Wilkes Fire Systems; Cregger Company; Reliable Fire and Safety, Inc.; Craig Bennett with Saffelle, Inc.; Bennett Paints; EEC Environmental; Cintas Uniform Services; Professional Air Systems; Hoffman and Hoffman; Recreation Restoration, LLC; Educational Environments.

Thank you also to all others who helped secure hole sponsors, donations and door prizes.

I hope you see you many of you at the 47th Annual NCPSMA Convention/Workshop. Take care and God Bless.

*By Ron Mack
 NCPSMA District Seven
 News Coordinator*



“Old ways won’t open new doors.”
 ~Unknown

**JOIN US
 SEPTEMBER 25 - 27,
 AT THE
 CRYSTAL COAST
 CIVIC CENTER!**