

Your Association
working for safe
drinking water
in Tennessee

Check Out Our Website!
www.tnbackflow.com

BACKFLOW LINKS

For more backflow information check out these web sites:

** Information about backflow prevention:

www.abpa.org/backflow.htm

** Information about water quality:

www.epa.gov/305b/sum1.html

** Safe Drinking Water Act guidance documents:

<http://tis-nt.eh.doe.gov/oepa/guidance/sdwa.htm>

** Backflow incidents and articles:

www.abpa.org/incidents.htm

Tennessee Backflow News

TBPA Mission Statement

The mission of the Tennessee Backflow Prevention Association is to protect drinking water quality in the State of Tennessee by providing for education, statewide training, standardized certification, technical assistance and resources to our membership and the general public.

President's Message

By Eddie O'Neill

This years conference was a hit! If you were unable to attend you really missed it. In my opinion, we had some of the best speakers ever. Our special guest was Rich Keonig, the current president of our parent organization ABPA. Rich gave an excellent presentation on what's going on with ABPA. We really appreciate him making the effort to attend our conference.

A special thanks to the folks in and around Memphis for helping put together a great conference and making TBPA so welcome. I especially want to thank the folks at Memphis Light, Gas, and Water for their assistance.

The 2006 Conference is already in the planning stages. We will be deciding on the location and date at our upcoming Board Meeting on January 11th. We are looking at two locations; Nashville and Knoxville. If you would like to suggest a location, feel free to attend the January meeting or express your opinion to your section director.

In other news, the State is putting the final touches on the revised Cross Connection Control Manual. We hope to have the completed manual available soon. Check with your local field office for availability.

As most of you know, my term as President is ending as of January 1st. I want to thank all of the Board Members and the TBPA Membership for its support and encouragement through my two year term. It has been a very rewarding adventure. Our new president, Steve Beene, will begin his term at the January 11th Board Meeting. For those of you that don't know Steve, he has a dynamic personality and years of experience in the cross connection industry. I have no doubt that he will lead the TBPA to greater heights during his term as President. I am moving into the Immediate-Past President position and will remain active and ready to assist Steve and the Board.

A Word from our Vice-President

Hello fellow members of TBPA. Hope everyone is doing well this Holiday Season. I am writing this message the day before Thanksgiving and am looking forward to stuffing myself.

By the time the newsletter comes out Thanksgiving will be over so I hope everyone had a great one. If you did not make the Annual Conference in Memphis you missed a very good one. A big thanks to our West Tennessee Director, Lloyd Rainey who did much of the work putting this conference together and congratulations to the Award Winners this year.

I wish all a very Merry Christmas and a Happy New Year and may all your Holiday wishes come true. I look forward to seeing my fellow board members at our next meeting on January 11th. Remember, as always everyone is invited to attend. Let's make 2006 a great year!

Steve Beene

Winter 2005



NEXT BOARD MEETING

10:00 PM

Wednesday

Jan. 11, 2006

JATC

225 Ben Allen Rd.
Nashville, TN

(For info call 615-227-5542)

Check Out
Our Website!
www.tnbackflow.com

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Upcoming Events

TBPA Board Meetings

January 11th
April 5th

ABPA 2006 International Conference & Tradeshow

April 10th - 12th
San Antonio, Texas
(Reservations: 888-623-2800)

Tennessee Backflow Prevention Association

Tennessee Backflo
Liba Ford
c/o Jackson Energy Authority
P.O. Box 68
Jackson, TN 38302-0068

TBPA



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Tennessee Backflow Prevention Association

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Eddie O'Neill, President	Jackson Energy Authority Jackson, TN	731-422-7214 eoneill@jaxenergy.com	731-422-7584
Steve Beene, Vice-President	Hixson Utility District Hixson, TN	423-875-6495 x1230 sbeene@hixsonutility.com	423-875-3116
Larry Stinnett, Immediate Past President	Backflow Specialty Co., Inc. Knoxville, TN	865-688-3171	865-688-3110
Liba Ford, Treasurer/Member & Newsletter	JEA Jackson, TN	731-422-7517 lford@jaxenergy.com	731-422-7530
Angel Goike Secretary	City of Clarksville	931-553-2489 agoike@clarksville.com	931-553-2490
Lloyd Rainey, Director, West	Mid America Marketing, Inc.	800-365-6154 lloyd@midamericamktg.com	901-795-0394
Charlie Fox Director, Middle	Fox Sales Inc. Hermitage, TN	615-361-7711 foxsales@aol.com	615-361-8333
Kent Bowman, Director, East	First Utility District of Knox County	865-966-9741 fudkbow@fds.net	865-675-4955
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Brent Ogles Director-At-Large	J. R. Fleming Training Center Murfreesboro, TN	615-898-8090 Bogles@mail.state.tn.us	615-898-8064
Mike Trigg, Director-At-Large	Plumbers & Pipefitters Local 572	615-227-5542 local572jalc@msn.com	615-227-5892
Ronnie West ABPA Region 3 Director		910-947-1115 rwestinfotec@earthlink.net	910-947-2496
Rich Koenig ABPA President	Nebraska Dept. of Health Norfolk, NE	402-370-3114 rich.koenig@hhss.state.ne.us	402-370-3493



The Tennessee Backflow News is published quarterly by the Tennessee Backflow Prevention Association, whose members have a common interest in protecting the drinking water from contamination through cross connections. Your ideas, experience and expertise are invited and needed by the TBPA to insure a balanced approach to backflow prevention in the State of Tennessee. Your participation and support will continue to help shape the future of this industry in Tennessee.

Opinions expressed in articles, letters or advertisements in this publication are not necessarily those endorsed or supported by the TBPA. The content of this newsletter is not to be considered as legal or professional advice. **Dues are \$70 annually**, and are payable to the TBPA Treasurer. Annual dues include \$20 for Tennessee and \$50 for National ABPA dues. National membership is required for Tennessee membership.

The TBPA Treasurer address is:

Tennessee Backflow Prevention Association
Liba Ford, TBPA Treasurer
c/o JEA, P.O. Box 68, Jackson, TN 38302

All other info requests, inquiries, and newsletter advertisements contact:

Tennessee Backflow Prevention Association
Attn: Angel Goike, Secretary
c/o City of Clarksville
1030 Pumping Station Rd.
Clarksville, TN 37043

TBPA Middle Section News

As I write this, the 2005 Conference is history; Thanksgiving is two weeks away and its just six weeks until Christmas. I thought about using a technical article for this edition but I think I'll leave that for a later date. The Memphis Conference was definitely a success. The presenters were very informative. The fellowship was excellent and the hospitality grand. There was a lot of work required to put this together. Everyone who was involved deserves a huge thank you. I hope you were able to attend. If not, maybe you can make the 2006 Conference in October.

As we approach the holiday season, I hope each of us will take time to recognize all the blessings that we have to be thankful for. I am writing this on Veterans Day. We should definitely be thankful for all those men and women who have made sacrifices so that we might enjoy the great freedoms and privileges of this great country we live in. I realize that by the time you receive this Veterans Day 2005 will be long gone but it's never a wrong time to remember those men and women.

Best wishes for a safe, thankful, joyous and blessed holiday season.

Charles S. Fox, Middle Tennessee Director

TBPA West Section News

The West Section of TBPA was proud to be host to the Annual Conference this year. Those who attended said it was not only informative and educational but a fun time to get together with friends. If you were unable to attend, make plans now to be at the conference in 2006.

The Arkansas Chapter of ABPA has looked over the TBPA Administration and Survey CD and is interested in developing a similar aide for their chapter members. If you have not seen this CD demonstrated, I encourage you to read the article in this month's newsletter by Wayne Cook and plan to attend one of the classes to learn more about the CD.

Remember all TBPA Board Meetings are open to the entire membership. We would be glad to have you join us on January 11th in Nashville. I hope each one of you has a very Merry Christmas!

Lloyd Rainey, West Section Director

TBPA East Section News

The TBPA Conference in Memphis on October 20th, and 21st, was represented well by the East Tennessee members. I would like to thank everyone who made the long trip. I hope to see a good turnout from the East Tennessee members at next year's conference in Middle Tennessee.

I talked to people at the conference from Kingsport, Knoxville, and Chattanooga including Isom Lail from South Blount Utility who passed away shortly after on November 5th. Our thoughts and prayers are with his family and friends.

On November 8th the East Tennessee section of TBPA held a Wilkins repair class. We had a very good turnout with 30 people attending. Pete Chapman from Fresno, California, Kurt Hartle from Nashville and Johnnie Burns from Chattanooga were present with the breakdowns and hands-on training. They covered double check and reduced pressure assemblies from 3/4" to 6". Also, literature was handed out for domestic, fire, and irrigation systems.

I would like to thank Wilkins for the free BBQ lunch and the Knoxville Utilities Board for the use of their facility.

Kent Bowman, East Tennessee Director

TBPA Board Meeting Update October 19, 2005

Treasurer's Report

Balance \$13,906.80

Welcome guests and special guest National President Rich Koenig.

New Plumbing Laws

The board has been appointed, but no notification from the board has been issued to the public.

Proctor Classes

Proctor classes are to be scheduled before the end of the year through Fleming.

State Manual

The updated cross connection manual is ready to be published and sent out by the State.

Region 3 Director

Ronnie West, Region 3 Director will be asked to submit an article about what ABPA offers the membership. Region Directors are required to do so for ABPA and we could use the same article. Region Directors now have an Action to the Board directive as follows:

1. Best Interest of Association
2. Attend Each Board of Directors Meeting or send an alternate
3. Visit all chapters annually
4. Adopt annual budget of National
5. Provide assistance for new chapters
6. Provide assistance to existing chapters
7. Submit reports and other documents timely
8. Honor commitments
9. Support committee members in their region
10. Find additional funding mechanisms
11. Write articles for national newsletter

2005 Nominations

Motion approved to extend the nomination deadline to November 1st. Currently, we have only one nomination in the VP and East categories.

2008 ABPA National Conference

National is looking for a location for their 2008 Conference it is between Tennessee and Indiana.

2006 TBPA Conference

Target dates: October 18th - 20th, 2006. Board will vote on the location at the January meeting. Both East and Middle Directors will look into what is available in their areas before that meeting.

2006 Meeting dates: Jan. 11th, April 5th, and July 12th.

NEW TBPA Members

Welcome to our newest members!

Quinton Clark	Memphis Light Gas & Water	Memphis, TN
Ronnie Cox	Aqua Shield	Little Rock, AR
Buddy Finley	MPJAC	Memphis, TN
Brian Holder	Jackson Energy Authority,	Jackson, TN
David Hendon	Downhill Plumbing	Kingston, TN
Andy Mathias	White House Utility District	White House, TN
Eddie Partlow	Old Hickory Water District	Old Hickory, TN
Charlie Purdon	MPJAC	Memphis, TN
Al Rathheim	Southern Marketing Group	Memphis, TN
Darryl Ross	Jackson Utility District	Jackson, TN
John Wunner	Hendersonville Utility District	Hendersonville, TN

TBPA/ABPA MEMBERSHIP FORM

Tennessee Backflow Prevention Association
American Backflow Prevention Association

NAME: _____

COMPANY: _____

ADDRESS: _____

CITY/ST/ZIP: _____

PHONE: _____

FAX: _____

E-MAIL: _____

CHECK ONE: RENEWAL: _____ MEMBER # _____

NEW: _____



ABPA DUES: \$50.00

TBPA DUES: 20.00

ANNUAL DUES TOTAL: \$70.00

Please remit total to:

Tennessee Backflow Prevention Association

Liba Ford

c/o JEA

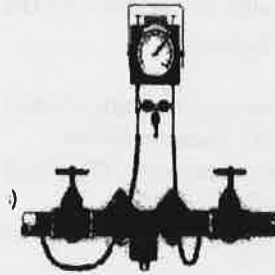
P.O. Box 68

Jackson, TN 38302

Includes bi-monthly ABPA News Magazine
and quarterly Tennessee Backflow News
Pre-payment of dues required to process application.
Membership is non-transferable. National ABPA membership required for state TBPA membership

Backflow Prevention Assembly Repair Class & Administration and Survey Classes

Who: Tennessee Backflow Prevention Association and Fleming Training Center
What: 2006 Repair Classes & Administration and Survey Classes
When: November 8, 2006 8:00-5:00 Admin. & Survey Class
 December 14, 2006 8:30-4:30 Repair Class
Where: Fleming Training Center, 2022 Blanton Drive, Murfreesboro, TN 37129
Contact: Brent Ogles at (615) 898-8090 or Wayne Cook at (931) 684-5998




Some of the information presented:

- Double Check Valve Assemblies, Reduced Pressure Principle Assemblies, Vacuum Breakers
- Repair of varying device sizes from 3/4" to 4"
- Drawings and handouts available.
- Explanation of assemblies and parts used in repair
- Complete repair of devices and tools needed
- When to repair and when and what to replace
- Starting a Cross Connection Control Program
- Forms and documents for program administration
- Survey instructions and advice
- CD with all covered information
- Continuing Education Credits will be given

Don't miss the opportunity to expand your knowledge on these valuable topics regarding CCC Programs and Assembly Repair.

No cost but class size is limited and **registration is required.**

Please use registration form below, indicating the date (or dates) you wish to attend.

 <p>DEPARTMENT OF ENVIRONMENT AND CONSERVATION Training Class / Seminar Registration</p> <p>REGISTRATION REQUIRED Only <u>One</u> Person and <u>One</u> Class/Seminar Per Registration Form!</p>			
<p>Register early! Written registration is <u>required</u> for <u>all</u> classes and seminars. Registrants will be mailed specific information as to location, times, etc., approximately three (3) weeks prior to class. Complete the form below and mail or fax at least thirty (30) days prior to class to: Fleming Training Center - 2022 Blanton Drive - Murfreesboro, TN 37129 Fax: (615) 898-8064 (All faxes should be printed or type written.)</p>			
N/A			
COURSE NUMBER (Mr./Ms)	TITLE OF COURSE	DATES OF COURSE	
NAME	SOCIAL SECURITY NUMBER*		
E-MAIL ADDRESS	HOME PHONE		
MAILING ADDRESS: STREET OR PO BOX	CITY	STATE	ZIP
EMPLOYER	WORK PHONE		
PWSID # OF FACILITY WHERE EMPLOYED (if applicable)	NPDES # OF FACILITY WHERE EMPLOYED (if applicable)		
EMPLOYER ADDRESS: STREET	CITY	STATE	ZIP

*In order to complete our administrative activities, we have to ask for certain personal identifying information. It is required that you submit this information under state and federal law, T.C.A. §36-5-711 and 42 USC §654a. This information is for the use of the department and is not disclosed to the public. Your social security number is required for registering or enrolling in classes when the registrant is a certified operator. It is optional whether you comply with any other request we make for a social security number.

2005 TBPA Conference Presentation

by Wayne Cook, Director-at-Large

My presentation at the Conference this year covered the many aspects of the Administration and Survey Class started by TBPA. I introduced the new TBPA CD that was produced to help bring continuity to the cross connection program. Every water purveyor in the State of Tennessee is required to have an ongoing, working cross connection program. This CD was designed to assist water purveyors develop and maintain their cross connection programs. The CD is divided into three sections-Forms, Drawings, and Database.

The Forms Section contains letters for first time inspections, annual testing or inspections of backflow devices. These letters can be used to contact customers and inform them of upcoming work that is to be done. Also, located in this section is other information that would be useful to the person administering the cross connection program. For example: a copy of the State Manual, Thermal Expansion letter, other form letters that can be changed to fit the individuals needs and to help the cross connection administrator.

The Drawings Section will put into your hands, 9 different drawing on the installation of a backflow device. This program will allow the user to change the wording to inform the installer of the device and how the backflow device is to be installed. By giving one of these drawing to the installer doing the work, they will have less problems with installation. The installer using your specs can avoid future conflicts.

The Database Section is in Access format. Access will need to be installed on the users' computer. This section has 4 different tabs. The Customer tab has a place for important customer information, for example: Name, Address, Telephone number, etc. The tab for Assemblies has a place for all information on the devices that are at each customer location. This tab will help in keeping up with test dates and when testing is due. The Report tab will generate many different types of reports, for example, single customer information, customers by name, customers by priority, assemblies test status, test summary, next inspection date, testers list, testers profile, and much more. The Testers tab allows the user to enter and keep information on all testers. The testers could be working for the water purveyor or they could be an outside contractor. Some of the information you will be able to keep on them are, name, Company name, when their license renewal is due, the type of equipment they are using, calibration due date on that equipment, etc.

After many months of hard work the CD is ready for distribution. The CD cost to members of TBPA is \$25.00 and to non-members is \$95.00. The non-member cost includes a one-year membership in TBPA and ABPA.

We will make annual updates to the program and keep those who have the CD informed of those updates. Our goal is to help each of you with your Cross Connection Program and we welcome your suggestions. Your suggestions let us to know how to best update the program to fit your needs. If you, or someone you know would like more information about the CD, contact any TBPA Board member.

Winterize Your Irrigation System

Every year, it's a ritual. From Maine to Minnesota to Montana - and anywhere the frost level could extend below the depth of installed pipe - getting an irrigation system ready for the change of seasons is an annual event.

Homeowners need to be aware that over the years, the effects of repeated water expansion inside pipes can weaken those pipes and lead to fractures. Plus, if the fittings and the pip do not expand and contract at the same rate during seasonal temperature changes, the matter of material stress will be called into question.

Of course, if your system contains PVC pipe there is no question. Because, when it's more than half full of water and frozen, PVC pipe will crack - most often from fitting to fitting (i.e., along the length of the pipe). You need to winterize your system to protect it.

"Blowing Out" a System with an Air Compressor

Unless your system has manual or automatic drains, you will need to "blow out" water in the system with a portable air compressor in order to winterize. And it's rather easy.

After turning off the water, connect the compressor (100 CFM for pipe with 2" diameter or less, 250 CFM for pipe 4" or larger) to inject air into the system near the main shutoff. Turn off the compressor and activate the zone of sprinklers at the highest elevation and furthest from the compressor before opening the valve on the compressor. Be careful to introduce air into the system gradually to avoid high pressure surges. Then, slowly increase the air pressure to 50 psi to reduce the chance of water ram damaging the components. If the sprinkler heads do not pop up and seal, adjust the pressure upward until they do, but NEVER let the air pressure exceed 80 psi.

It usually takes about two minutes or more to evacuate each zone. Proceed in sequence through all the zones, eventually ending up at the part of the system closest to the compressor and at the lowest elevation.

Go twice through the entire system, using a short cycle on each pass rather than a single long one, as repeating the process completely removes water that has drained from one zone into another on the first cycle. It also helps reduce the amount of time compressed air is moving through dry pipes (such friction can cause heat damage).

Some Final Info

Got a controller? Be sure to leave your power on and the rain or station start switch in the off position to prevent condensation inside the controller enclosure.

Have a backflow device with ball valves?

After shutting off the water supply and draining the system, remove any water trapped in the valve bodies by opening and closing them several times with the lever handle. Then, leave the handle at a 45-degree angle, so the valve is partially open.

Preparing a hydraulic control system?

Close and disconnect the potable water supply line to the signal control tubing and drain the tubing.

No mater where your system is located, the same rules apply.

Remember

Don't allow air pressure to exceed 80 psi, especially in systems designed to operate below this pressure level.

Don't stand over component parts while the system is under pressure.

Don't leave the compressor unattended.

Don't blow out the system through a pump. First blow out the system, then drain the pump.

Don't leave manual drain valves open. Water could enter the system during winter thaw.

TBPA Conference



Bill Hardin accepts the award for his Contributions to the Field of Backflow and Cross Connection. The City of Gatlinburg received the award for their support and commitment to TBPA and the protection of drinking water.



Liba Ford accepts the award for Furthering the Goals of the TBPA.



Ned Towle with Towle Whitney Co.



Eddie welcomes conference attendees.



Family members attending the banquet join in on the fun.

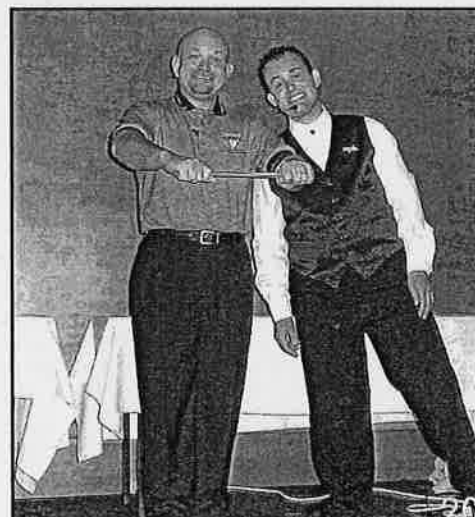


Banquet guests enjoy themselves.



Liba and Angel work the registration table.

Lloyd helps the magician by holding the magic wand.



TBPA Conference



Congratulations to the City of Dyersburg

This year the City of Dyersburg won first place at the Dyer County Fair for their booth that informed the public about cross connections. The booth contained several working displays showing cross connections as they might occur around the home and how to prevent them.

David Rice, who has administered the cross-connection control program for the City since 2004, was responsible for coordinating the displays. David said he enjoys educating people about the dangers of cross connections and how to keep their water safe. David also visits the local schools with his demonstrations and distributes literature to the students.

David has received many positive comments from those who have seen the displays and demonstrations about how it has made them aware of the importance of protecting their water system. The

State of Tennessee recently recognized the City of Dyersburg for their active role in public education.

For more information on setting up a display for your company contact David at (731) 288-7630.



David Rice with his pals used at the booth.

In Remembrance of Isom Lail

The TBPA lost a true friend and supporter when Isom Lail passed away November 5, 2005 of a massive heart attack. He joined the TBPA in 1997 and recently attended the Annual Conference in Memphis.

He was an employee of South Blount County Utility District for 30 years and was loved and respected by everyone who knew him.

Memorial donations in memory of Isom may be made to the National Kidney Foundation.



Tennessee Training Calendar

Tennessee Department of Environment and Conservation - Cross Connection Control Training Classes

Fleming Training Center
2022 Blanton Drive
Murfreesboro, TN 37129
615-898-8090

<http://www.state.tn.us/environment/dca/fleming/>

The classes offered by the Fleming Training Center are free of charge to any person who wishes to attend. Written registration is required, however, a minimum of thirty days in advance of the class. Confirmation letters for all classes/seminars will be sent out to registrants approximately three weeks prior to class and will contain pertinent details regarding exact location, class content, and materials. For information on class content for Cross Connection Control Workshops call Mr. Brent Ogles at 615-898-8090.

Cross Connection Control Workshop (BASIC) (4 days)
(Textbook: None) Classes are at the Fleming Training Center in Murfreesboro unless otherwise indicated. *See Schedule Below.*

Cross Connection Control Workshop (RENEWAL) (2 days)
(Textbook: None) Classes are at the Fleming Training Center in Murfreesboro unless otherwise indicated. *See Schedule Below.*

Cross Connection Control Classes	
No.	Course Name
2103	Cross Connection Control Workshop (BASIC) (3 1/2 or 4 days - dependent upon location) (Textbook: None; approved procedure sent with confirmation letter) • January 24-27 (3 1/2 days) • March 28-31 (3 1/2 days) • April 25-28 - Kingsport (3 1/2 days) • May 23-26 - Knoxville (3 1/2 days) • July 18-21 - Jackson (3 1/2 days) <i>Change to Fleming Calendar</i>
3102	Cross Connection Control Workshop (RENEWAL) (1 1/2 or 2 days - dependent upon location) (Textbook: None; approved procedure sent with confirmation letter) • December 14-15 - Memphis (1 1/2 days) • January 23-24 (1 1/2 days) • February 8-9 - Memphis (1 1/2 days) • March 27-28 (1 1/2 days) • April 4-5 - Memphis (1 1/2 days) • April 24-25 - Kingsport (1 1/2 days) • May 22-23 - Knoxville (1 1/2 days) • June 7-8 - Memphis (1 1/2 days) • June 12-13 (1 1/2 days) • July 17-18 - Jackson (1 1/2 days) <i>Change to Fleming Calendar</i>
CCC Seminar • November 8 - Administration and Survey Class (1 day)	

• The Tennessee Association of Utility Districts (TAUD): Cross Connection Renewal Classes for Municipalities and Basic Cross Connection Training Classes for contractors are available. Other classes may be available. Contact Greg Baker or Melanie Hammon, 840 Commercial Court, Murfreesboro, TN 37129, (615) 893-9022

• Plumbers and Pipefitters, Local 572, Nashville, Tennessee: Backflow Classes for Apprentices and Journeyman, contact Mike Trigg, 225 Ben Allen Rd., Nashville, TN 37207, (615) 227-5542

• Plumbers & Steamfitters, Local #43 JACT: Contact Woody Evans, 3013 Riverside Drive, Chattanooga, TN 37406, (423) 365-9972

• To list or update your training classes contact Eddie O'Neill at eoconnell@jaxenergy.com

State Certified Testing Firm

Backflow Specialty Co., Inc.

Larry Stinnett

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Toll Free: 866-606-9775 Fax: (706) 965-9326
E-mail: backflowtest@catt.com

Plumbers & Pipefitters L.U. 572
Joint Apprenticeship Training Program
Nashville, TN

MIKE TRIGG
Training Coordinator

225 Ben Allen Road Bus. Phone: (615)227-5542
Nashville, Tennessee 37207 Fax: (615)227-5892
www.uatn.org/572/572.htm local572jact@mindspring.com

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TBPA BOARD MEETINGS

JAN. 11TH AND APRIL 5TH ~ JATC Building, 225 Ben Allen Rd., Nashville, TN
Call 615-227-5542 for information. All Members Welcome.