

**Tennessee Backflow
Prevention Association**

c/o Dale Phelps
Gatlinburg Utilities
PO Box 5
Gatlinburg, TN 37738

Phone: 423-436-4681
Fax: 423-430-3800

TBPA

*Your Association
working for safe,
clean drinking water
in Tennessee*



Tennessee Backflow News

SPRING '99



**NEXT
MEETING**

**Thursday
July 22
10:00 AM
Eastern Time
City Hall
Loudon, TN**

Directions to
Meeting Inside On
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1999 Conference Update

Murfreesboro, TN

The 1999 Tennessee Backflow Prevention Association Annual Conference proved to be a great success. Over 75 attendees heard five excellent presentations. Twelve vendor booths showcased the latest equipment in backflow products.

Mary Howell of Backflow Management, Inc. spoke on the topic of Public Education, and in the afternoon Mary spoke on the topic of what to look for in computer programs for backflow management. Gerald Pruitt of Hydrocowl presented information re-

garding the ASSE 1060 Standard that sets the standard for backflow enclosures.

Pat Meyer of the Tennessee Fire Sprinkler Contractors Association spoke on the topic of backflow prevention assemblies on fire protection systems and raised the collective blood pressure of the group just before lunch.

President David Kellogg presented to the Chapter Membership present information regarding the Board's recommendation to adopt a standard backflow assembly test procedure for

the instruction and certification in the State of Tennessee. Discussion on this topic began last year and has resulted in the TBPA Board of Directors voting to approve the following procedures:

Reduced Pressure Assembly - Modified U.S.C. Foundation 9th Edition Procedure as developed by the

(Continued on page 3)

**Repair Seminar
Jackson, TN
June 8
See Back Page**

President's Message

*David Kellogg, President
Tennessee Backflow
Prevention Association*

I would like to take this opportunity to thank everyone who participated in the Fourth Annual Tennessee Backflow Prevention Association Conference. This year's conference was a success, with approximately 100 attendees, exhibitors and speakers. The conference also resulted in a vote on a standard test procedure to be used in the State of Tennessee; the

approved procedure will now be forwarded, with the Chapters recommendation, to the Division of Water Supply for final approval.

Elections are upcoming, be sure to vote when the ballots are sent out in June.

(Continued on page 7)



ABPA President Jack Poole presents the PACE Award to TBPA President David Kellogg.

Backflow Preventer Repair Seminar

June 8, 1999 in Jackson Tennessee

Sponsored By: Tennessee Backflow Prevention Association
Hosted by: Jackson Utility Division

One-Day Seminar -Lunch Provided
Class Size Limited - Pre-Registration Required
\$50.00 TBPA/ABPA Members
\$95.00 Non-Members
(includes 1yr. membership)



To Register Contact:
Grady Gentry

2365 Henry Street, Dyersburg, TN 38024
901-286-4271 phone; 901-225-1691 cell phone
901-287-8159 fax; e-mail: gentry@ecsis.net



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Tennessee Backflow Prevention Association



Name	Affiliation	Phone #	Fax #
David Kellogg, President	City of Gallatin	615-451-5922 gou@edge.net	615-452-0568
Bob Deal, Vice-President	Hixon Utility District	423-877-3513	423-875-3116
Becky Thompson, Treasurer	Madison Suburban Utility District	615-868-3201 msud@bellsouth.net	615-868-5595
Dale Phelps, Secretary	City of Gallatin	423-436-4681 dpp9@aol.com	423-430-3800
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Bill Love, Director, Middle	City of Murfreesboro	615-848-3225	615-895-1241
Dave Birkholz Director, East	Loudon Utilities	423-458-2091 trebirk@worldnet.att.net	423-458-6781
John Hall, Director At-Large	Tennessee Association of Utility Districts	615-896-9022 jehall@edge.net	615-896-8608
Larry Stinnett, Director-At-Large	Backflow Specialty Company, Inc. Powell, TN	423-947-5722	423-947-5722
William (Bill) Kent Columbus Water Works, GA	ADPA Region 3 Director	706-649-3490 wkent@cwvga.org	706-649-3477
Paul Causey	ABPA Administrative Director	409-862-7606 pscausey@teexnet.tamu.edu	409-862-7607 ABPA Headquarters

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 supported by the TBPA. The content of this newsletter is not to be considered as legal or professional advice.

Dues are \$45 annually, and are payable to the TBPA Treasurer. Annual dues include \$15 for Tennessee and \$30 for National ABPA dues. National membership is required for Tennessee membership.

The TBPA Treasurer address is:

Tennessee Backflow Prevention Association
Becky Thompson, TBPA Treasurer
c/o MSUD, PO Box 175
Madison, TN 37116-0175

All other info requests and inquiries, including newsletter items and advertisements can be directed to:

Tennessee Backflow Prevention Association
Attn: Dale Phelps, Secretary
c/o Gatlinburg Utilities
PO Box 5, Gatlinburg, TN 37738-0005

TBPA Conference 2000 To Be In Gatlinburg!

Gatlinburg, Tennessee will be the location for the Tennessee Backflow Prevention Association's Conference 2000. This will be the fifth consecutive year that the Association has held a state-wide conference in Tennessee.

The Conference will be held at the River Terrace Creekside on the Parkway in downtown Gatlinburg. This hotel is located directly across from the Ober Gatlinburg Tramway Mall on the Parkway. The hotel sits adjacent to LeConte Creek, a pristine mountain brook that originates on the slopes of Mount LeConte in the Great Smoky Mountains National Park. The River Terrace Creekside has completely renovated the convention facility and will renovate and upgrade many

rooms prior to our reserved dates for our Conference 2000.

The hotel is within easy walking distance from many of Gatlinburg's major attractions. Many quaint shops and quality restaurants are just a stones throw away from the River Terrace Creekside.

The reduced room rate of \$54 per night will be extended through the weekend for anyone who may wish to stay in Gatlinburg after the conclusion of the Conference. Rooms are limited at the River Terrace Creekside so you may wish to reserve your room choice early. Other rooms will be available close by the meeting facility.

A golf event to coincide with the Conference may be in the works. If you are interested in playing golf while in Gatlinburg for the Conference please contact East Tennessee Director Dave Birkholz. You may reach Dave at 423-458-2091 or e-mail him at: trebirk@worldnet.att.net



The Conference Committee is hard at work putting together a great event for the backflow prevention industry in the southeast. See you in Gatlinburg!



Gatlinburg has a permanent population of just over 3000 but can host millions of visitors annually.

TBPA/ABPA MEMBERSHIP FORM

Tennessee Backflow Prevention Association
American Backflow Prevention Association

NAME: _____

COMPANY: _____

ADDRESS: _____

CITY/ST/ZIP: _____

PHONE: _____

FAX: _____

CHECK ONE: RENEWAL: _____ MEMBER # _____

NEW : _____

TBN May-99



ABPA DUES: \$30.00
TBPA DUES: 15.00
ANNUAL DUES TOTAL: \$45.00

Please remit total to:
Tennessee Backflow Prevention Association
Becky Thompson, Treasurer
c/o Madison Suburban Utility District
PO Box 175
Madison, TN 37116-0175

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.

(Continued from page 1)

This year's ABPA International Conference was held in Hyannis, MA and saw one of the largest attendance in association history. The Tennessee Chapter received the President's Award for Chapter Excellence (PACE) for the second year. The Chapter has received a donation from Watts Regulator to publish a customer handout that was presented at the annual Chapter Conference (the brochure should be available in the late summer).

Our association is growing, and as we grow we are trying to provide additional benefits to our members. Whether that benefit is through training and certification

classes, reference and public education materials or through an ongoing dialog with the Division of Water Supply to update and improve backflow prevention regulations, standards and certification; whatever the benefit may be we need your input. Without the involvement of our members the association will not go forward; so send us your ideas, questions or comments and attend a Chapter meeting in your area.



Conference 2000

Tennessee Backflow Prevention Association

Thursday
March 23, 2000

River Terrace
Creekside Resort
Gatlinburg, Tennessee


Room Rate: \$54 +tax
1-800-251-2040

Great Speakers
Big Trade Show

Registration Fee:

\$50 ABPA/TBPA
Members
\$100 Non-Members*
*(includes 1-yr.
membership)

Contact:
Dale Phelps
423-430-1372
Dave Birkholz
423-458-2091



Backflow Specialty Co., Inc.
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Nashville, Tennessee 37207
Home: 360-8428
Office: 254-1104

Backflow Incidents

All of these incidents were supplied by one large water supplier in Tennessee.

* On April 5, 1982, a large well-known petroleum facility reported bright yellowish green water coming out of their drinking water fountains. Lab tests showed that a sample contained in excess of 225 ppm of chromates. The chiller heat exchanger at the building proved to be cooled by potable water in a closed loop containing a pump that fed anachrome and algacide and a corrosion inhibitor into the water with only a check valve between the water supply and the closed loop. A reduced pressure backflow prevention device was installed on the water supply serving the chiller to prevent further contamination. The water pipe was then flushed to remove all traces of chromates.

* On October 3, 1993, a manu-

facturing facility was found to have contaminated water through a direct cross connection between a lead slurry solution and the building's potable water plumbing. Backpressure from a pump on the solution line caused the lead slurry to enter the potable water. Luckily, an existing reduced pressure backflow device at the water meter prevented further contamination. An additional reduced pressure backflow prevention device was then installed to feed the lead slurry solution pump to prevent further contamination. All potable water pipe and fixtures were replaced to prevent lead poisoning of employees and customers at this facility.

* On January 21, 1986, a direct cross connection at a warehouse distribution center was discovered in the pre pack area involving a mold-a-pack machine that discolored the water was coming

out of the drinking fountain and restroom faucets. A reduced pressure backflow prevention device was installed on the water supply serving the high pressure mold-a-pack machine to prevent further contamination by the latex glue coming from the machine. All water pipes were then flushed to remove the glue.

* On March 8, 1986, a brewery developed a cross connection between the carbonated water supply and the potable water supply. A flush valve on the filtering system was inadvertently left open, allowing the carbonated water to enter the filtered water system for over an hour. A reduced pressure backflow preventer was installed on the filtered water line to prevent further pollution of the water used to make the alcoholic beverages.



INFO REQUEST:

If you have information regarding any backflow incidents or cross connections found in your area please send them to the Newsletter Editor at the address on page 2.

Test & Repair Tips

Troubleshooting a Reduced Pressure Backflow Prevention Assem-

PROBLEM	POSSIBLE CAUSE
Relief Valve does not open, or opens below 2 psi differential	<ul style="list-style-type: none"> Leaky #2 Shutoff Valve Plugged or stopped up sensing line or passageway to relief valve
Relief Valve discharge with #2 shutoff valve off Gage reading around 2-3 psid	<ul style="list-style-type: none"> #1 Check Valve leak
Relief Valve discharge with #2 shutoff valve on Gage reading around 6-8 psid	<ul style="list-style-type: none"> Relief Valve malfunction that prevents closure, or clogged high-pressure sensing line or passageway to relief valve.
#1 Check Valve Differential is 5 psid or less	<ul style="list-style-type: none"> #1 Check Valve leak

THE "WELL, DUH" COLUMN

Testcock adapter fittings and test kit hose connections must be "drip-tight" to get an accurate gage reading when testing. Leaky hoses and fittings can cause erroneous readings on your test gage.

TBPA Meets Next In Loudon, TN

The next meeting of the Tennessee Backflow Prevention Association will be at 10:00 AM, Thursday July 22 in Loudon, Tennessee. The meeting will be held in the Loudon City Hall building as shown on the map below. Dave Birkholz at 423-458-2091 is the contact person for further information. Lunch will be provided for meeting attendees.

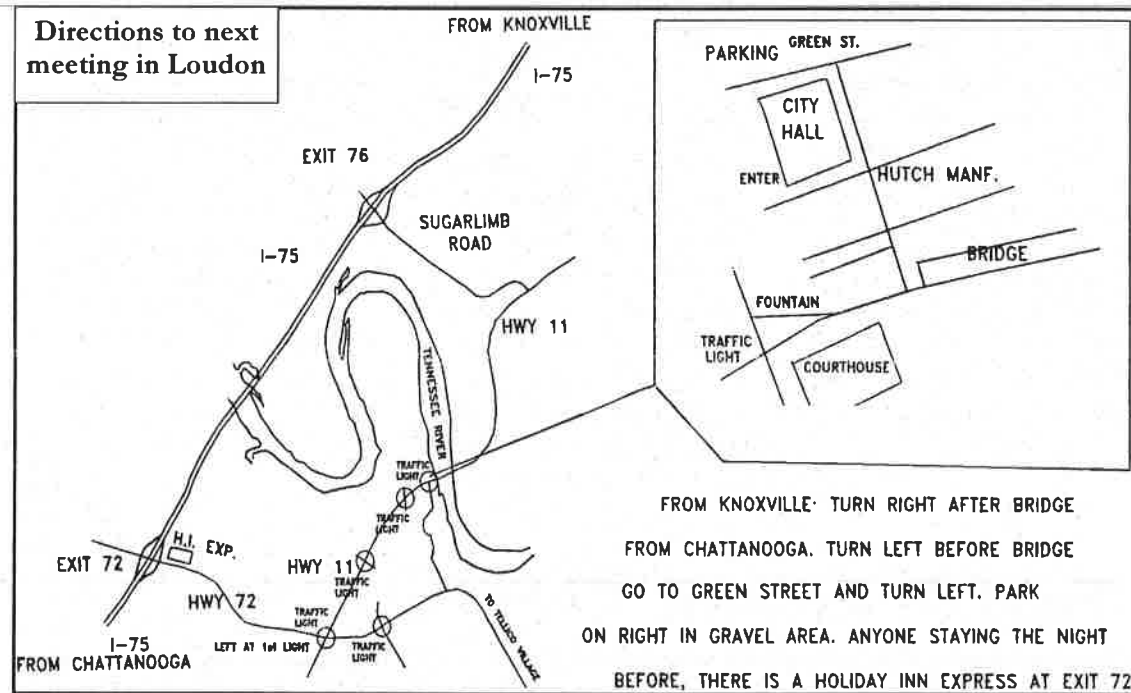
Of particular interest at this meeting will be the announcement of the results of the nominations and election for officers and directors for 1999-2000. Further developments concerning the standard test procedures program for Tennessee will also be on the agenda. You may request an agenda to be faxed or mailed to you one week prior

to the meeting date by contacting TBPA Secretary Dale Phelps at dpdp9@aol.com, or 423-436-4681. Meeting highlights are printed in the newsletter, and minutes of meetings are available at the next scheduled TBPA meeting, or minutes can be provided to you at your request.



NEW OR NEWLY RENEWED TBPA MEMBERS:

Troy Watkins
Dale Uechsel
Dwayne Culpepper
Michael Mills
Randy Harrell
Kenneth W. Simmons
Jamie Engle
Rbeta Engle
Richard Sullivan
John H. Miner, Sr.
David A. Diehl
Debbie Palmer
Steve Smith
Shawn Ramsey
Norman Clark
Bill Tate
Rick Webb, Jr.
W. Brent Ogles
Gregg Morgan
Larry Dean
James Deason
Larry Lovelace
Rick Lawson
David W. Ward
Lester Davis
Bryan D. Collins
David Draughon, Jr.
Richard Smith
Mitchell Begley
Bill Howell
Jim Purzycki
Stephen Reed
Steve Greene
Mitch Castleman
Jack Wood
Doug Rowlett



TBPA continued...

(Continued from page 3)

In the March 24th Board of Directors meeting the TBPA Treasurer reported a balance of \$3,612.23. 32 new members have been taken in and the newsletter has generated \$375 in ad sales. The Board approved plans for a series of repair classes to be held across the state (a fee will be charged), approved a brochure

for public information use, and approved funding \$300 annually for ABPA Region 3 Director travel expenses. Also approved were items to be sent to the Hyannis Conference for the ABPA Education Fund Silent Auction, and Gatlinburg was approved as the TBPA Conference location for 2000. The Board had much discussion concerning

the proposed test procedures but ultimately approved the procedures developed by the Fleming Training Center and the Division of Water Supply.



Conference...continued

(Continued from page 1)

Fleming Training Center and the Division of Water Supply. Recommended written procedure as in the FTC/DWS booklet. Essentially this is the U.S.C. Foundation 9th Edition Procedure plus the addition of the #2 shutoff valve confirmation test and the second check valve direction-of-flow test.

Double Check Valve Assembly - Modified ASSE High/Low Hose Method as developed by the Fleming Training Center and the Division of Water Supply. Recommended as written in the FTC/DWS booklet.

These were presented to the membership, and a time of open discussion followed. Many acknowledged the benefits of standardized test procedures for instruction and cer-

tification classes.

A major concern brought forward was the need for additional instructions in both procedures for using a three-valve test kit, or an additional set of written procedures for using a three-valve test kit. The proposed written procedure specifically addresses the use of a five-valve test kit. It was acknowledged by Mr. Brent Ogles of the FTC that additional procedures could be developed for the three-valve test kit.

Bill Tate made a motion that the TBPA adopt the test procedures as outlined in the FTC/DWS booklets, and an additional set for three-valve test kits. Terry Marler seconded the motion. After a short clarification, a vote was called for. In a show of hands, a near-unanimous majority

voted in favor of the motion, none voted against, and a small number of individuals abstained, declined or did not vote. The motion passed.

Following the vote, a reiteration and further clarification was stated regarding the purpose and intention. Through discussion at previous meetings, publishing in the newsletter, and discussion and voting at this meeting, the TBPA has determined that the backflow assembly test procedures that the FTC/DWS have developed are functional and acceptable to the majority of testers in the State, and recommend to the Division of Water Supply that all entities that certify backflow assembly testers in the State of Tennessee use these procedures to teach and certify attendees.

(Continued on page 6)

The goal of the Tennessee Backflow Prevention Association is for all entities that certify testers in the State utilize and teach the same backflow assembly test procedures.

New Leaders in the ABPA

Elections held recently in the American Backflow Prevention Association have brought about new faces in the leadership of the Association. The elections were held by mail ballot and were tabulated and announced at the International Conference at Hyannis, Massachusetts.

Ron Chapman was elected as Vice-President of the Association. Ron is from Michigan and is a Master Plumber by trade. Ron has been employed

by Ford Motor Company Research and Engineering for many years and oversees the cross connection control program there. Ron is a Past President of the Michigan Chapter ABPA, and has been active in many codes and standards committees.

Other Vice-President nominees were Tom Cravens of New Hampshire, and Dale Strong of South Carolina. The Vice-President serves a two-year term and then succeeds

the President, to then be President for two years. ABPA Region 3 Director elections were held and William Kent was elected. William Kent is the Environmental Programs Manager for Columbus Water Works in Columbus, Georgia. William (Bill) Kent succeeds previous ABPA Region 3 Director M. C. Sorrel of North Carolina. M.C. is with SPC Marketing, a Febco Manufacturers Representative for Tennessee.



ABPA Dues

Increase:

ABPA dues have gone up to \$30 annually. No change in the Tennessee dues. See page 2.

MEMORANDUM

To: All Tennessee Backflow Prevention Association Members

From: Angel M. Goike, Nominating Committee Chairperson

Re: Confirmation of Officers

Date: May 25, 1999

Recently, there have been two calls for nominations for President, Vice President, Middle Tennessee Director, Secretary and Treasurer. Once in the quarterly newsletter and once by direct mailing to all members in good standing.

Following is a list of nominations that were received and accepted by the nominees: (several nominations were declined by the individuals)

President- David Kellogg

Vice President- Larry Stinnett

Secretary- Dale Phelps

Treasurer- Becky Thompson

Middle Tennessee Director- Angel Goike

Due to the uncontested nature of this election, ballots will not be issued. The above listed officers will be confirmed by the Region 3 Director, William Kent, at the next quarterly meeting of the TN Chapter of the America Backflow Prevention Association. The next meeting will be held on July 22, 1999 at Loudon Utilities.