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Tennessee Backflow Prevention Association
Angel Goike, Secretary
c/o City of Clarksville
1030 Pumping Station Rd
Clarksville, TN 37040



Tennessee Backflow News

Spring 2001



NEXT MEETING

10:00 AM
Thursday
June 14, 2001
Gallatin Public Utilities
Office,
Gallatin

Directions to Meeting Inside

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2001 Conference Chattanooga

Thanks to all our members for making the 2001 Conference a year to remember.

The sixth annual Tennessee Backflow Prevention Association was held this year in Chattanooga, on Thursday and Friday, March 29th & 30th 2001. The conference was expanded this year to a day and a half. The TBPA board is thrilled to once again announce that the conference was a success. The 2001 Conference not only brought together cross connection people from across the state, but from across the country. The conference boosted our membership and the interest of our current members.



There were over 70 attendees for the conference this year and five speakers.

Jim Purzycki of BAVCO was back with us again and made two presentations. His first was on the "Necessary Elements of an Effective Cross Connection Control Program". Mr. Purzycki identified seven basic areas for an ideal program from policies governing the program all the way through implementation. The second presentation focused on assembly repair, but not just repair, GOOD repair. Mr. Purzycki stressed

President's Message

David Kellogg,
TBPA President

Our 2001 annual conference was March 29-30 in Chattanooga, and was once again a success. This year the conference was expanded to two days and we were fortunate to have such nationally recognized speakers as Doug Cregor and Jim Purzycki and a keynote speaker with the knowledge and experience of Mr. Dick Clary. I would like to congratulate the service award winners for this year - John Hall and Dale Phelps; their hard work and

dedication has helped this Chapter grow and has furthered the goals of the backflow prevention community. I would like to take this opportunity to thank Lori Bachus and Kim Dalton of Tennessee American Water Company for their hard work in organizing the conference this year. I would also like to thank Region 3 Director, William Kent, for his attendance at the conference and his efforts for the Chapter throughout the year.

(Cont. on page 7)

Call for Nominations

It is election time again here in Tennessee for the TBPA. It is time for us to say goodbye to our current President, David Kellogg, who has served the chapter tirelessly for four years. We also will be electing a new Vice-President and Middle Tennessee Director. Please submit all nominations to Angel Goike, Nomination Committee Chair, at 1030 Pumping Station Rd., Clarksville, TN 37040. Or you may call at 931-553-2489 or fax in your nominations at 931-553-2490.

Nominations for President, Vice President and Middle Tennessee Director will be accepted through August 1, 2001.

Tennessee Backflow Prevention Association



Name	Affiliation	Phone # E-Mail	Fax #
David Kellogg, President	City of Gallatin	615-451-5922 Dkellogg@ gallatinutilities.com	615-452-0568
Larry Stinnett Vice President	Backflow Specialty Company, Inc. Powell, TN	865-947-5722 backflosp@aol.com	865-947-5722
Lori Bachus, Treasurer	Tennessee America Chattanooga, TN	423-755-7601 Lbachus@amwater. com	
Angel Goike Secretary	City of Clarksville	931-553-2489 flowangel@aol.com	931-553-2490
Grady Gentry Director, West	Grady's Backflows Dyersburg, TN	901-286-4271 gentry@ecsis.net	901-286-1557 731
Mike Trigg Director, Middle	Plumbers & Pipefitters Local 572	615-227-5542 Local572jtc @mindspring.com	615-227-5892
Dave Birkholz Director, East	Loudon Utilities	865-458-2091 treebirk@yahoo.com	865-458-6781
Greg Baker, Director At-Large	Tennessee Association of Utility Districts Murfreesboro, TN	615-896-9022 Gregbaker@taud.org	615-896-8608
Brent Ogles Director-At-Large	J. R. Fleming Training Center Murfreesboro, TN	615-898-8090 Bogles@mail.state.tn. us	615-898-8064
Dale Phelps Director-At-Large	City of Gallatin Gallatin, TN	865-436-7792 Dalephelps@yahoo. com	
William (Bill) Kent Columbus Water Works, GA	ABPA Region 3 Di- rector	706-649-3490 wkent@cwaga.org	706-649-3477
Jack Poole	ABPA President	913-829-8650 jack@lpcsink.com	913-829-8690

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 \$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
Lori Bachus, TBPA Treasurer
c/o TAWC, PO Box 6338
Chattanooga, TN 37402

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

Tennessee Backflow Prevention Association
Attn: Angel Goike, Secretary
c/o City of Clarksville
1030 Pumping Station Rd
Clarksville, TN 37040

TBPA/ABPA MEMBERSHIP FORM

Tennessee Backflow Prevention Association
American Backflow Prevention Association



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

Please remit total to:
Tennessee Backflow Prevention Association
Becky Thompson
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 mem-
bership required for state TBPA membership*

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MIKE TRIGG
Training Coordinator

P.O. Box 78572 Home: 360-8426
225 Ben Allen Road Office: 254-1104
Nashville, Tennessee 37207

Tennessee Training Calendar

- 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. Call Greg Baker at TAUD, 615-896-9022 for further information.
- Memphis Light, Gas & Water (MLGW): Classes are held in the greater Memphis Tennessee area on an annual basis. Call 901-528-4720 for further information.
- Plumbers and Pipefitters Local Union 572, Nashville, Tennessee: Backflow Classes for Apprentices and Journeyman, contact Mike Trigg at 615-254-7235 for further information.
- To list or update your training class here please contact Angel Goike at 931-553-2489

Upcoming Events

- June 14, 2001 – TBPA Meeting – Gallatin, TN
- April 23 – April 25, 2001 – 17th Annual ABPA International Conference Kansas City, MO

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

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

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.

- January 16 - 19, 2001
- March 13 - 16, 2001
- April 24 - 27, 2001 - Knoxville
- May 22 - 25, 2001 - Kingsport
- June 5 - 8, 2001
- June 26 - 29, 2001 - Jackson
- July 17 - 20, 2001
- August 14 - 17, 2001 - Kingsport
- September 11 - 14, 2001 - Knoxville
- October 16 - 19, 2001
- November 13 - 16, 2001

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

- February 7 - 8, 2001
- April 23- 24, 2001 - Knoxville
- May 21 - 22, 2001 - Kingsport
- June 25 - 26, 2001 - Jackson
- July 23 - 24, 2001
- August 13 - 14, 2001 - Kingsport

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Conference 2001-Chattanooga (Continued)

the importance of knowing how to interpret a device test to facilitate repairs, ideally by replacing or repairing not only the correct part of the device but with the proper parts.

Our second speaker of the day was Mr. Richard Clary from Spotswood Associates. Mr. Clary has many accomplishments in the cross connection field including a Lifetime Achievement Award in 1992. He gave the conference attendees a graphic demonstration of thermal expansion.

Next, Mr. Larry Stinnett, our own Vice President of TBPA, discussed the different means of handling annual testing. Mr. Stinnett outlined the pros and cons of different methods, such as contract testing, private testers, and in house testing. He touched upon the importance of customer awareness and the validity of the data no matter what method of annual testing was used.

After the Association Luncheon, Mr. Doug Cregor took the

speaker's podium. Mr. Cregor outlined the four areas from which a cross connection program gets its legal legs. 1. What is the standard



of care, 2. Where do we get that standard, 3. Our duty to inspect and 4. Knowledge found in records.

On the second morning of sessions, Mr. Mike Lueck from Mid-West Instruments gave a knowledgeable and useful talk on test kit certification and repair. Mr. Lueck

expanded upon the importance of the validity of the test data by maintaining the test kit in good repair and calibration.

Before ending the conference a panel discussion was held to talk about the current State Regulations, tester certifications and where these were headed in the future. On the panel were David Draughon, Director Water Supply-TDEC, Larry Stinnett, Backflow Specialty Co., Bill Crusenberry, White House UD, and Moderator Brent Ogles, Director Fleming Training Center. Each panelist briefly provided the attendees with a history and future of the program from their perspective. Tennessee has several training organizations offering "tester" training. The panelists showed their support for a uniform process for testing all "testers" to be used by all training organizations.

Many Thanks to the Following Vendors for Booth Registration :

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Spotswood Associates

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Water Safe



Awards and Recognition Banquet 2001 Conference Chattanooga



New to our 2001 Conference was an awards banquet held on Thursday night.

The banquet turned out to be a wonderful success. Mr. William Kent, Region 3 Director, was on hand to say a few words about ABPA. He encouraged us to exercise our right as members to vote in the upcoming Vice President and Regional Director elections. Also, Mr. Kent, asked that we support the Mississippi Chapter and the conflicts they are facing in implementing their programs. As Region Director, Mr. Kent was pleased to know that several TN Chapter members would be attending the National Conference in Kansas City and encouraged more to attend this year and next in Savannah, GA. Mr. Kent then had the pleasure of introducing not only a personal friend of his, but an all around exceptional man, Mr. Richard Clary as the Keynote speaker.



Mr. John Hall, TAUD Lobbyist, was acknowledged and given heartfelt thanks for all his contributions to the field of cross connection.

Mr. Clary talked with us after dinner about maintaining a realistic program, in a realistic world. He cautioned against overkill that could endanger the entire program. Mr. Clary stated that maximum protection on all services no matter the hazard was likely to cause unrest, as it had all ready done in two other states. He recommended that caution now may make it possible for us to continue protecting the public health in the future.

After Mr. Clary's speech, David Kellogg, TBPA President, presented two very worthy people with our annual recognition awards.

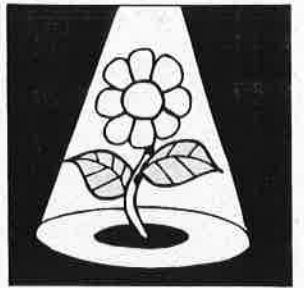
Each recipient was given a plaque in recognition of their sacrifices and dedication.



Mr. Dale Phelps, TBPA Director at Large, who is not only a director with the Chapter now, but is also its past Secretary and President, was rewarded for his years of dedicated service to the Tennessee Chapter.



Backflow Preventers



Of course for any cross connection program to be effective one needs to have the appropriate means to prevent backflow, which includes mechanical backflow preventers. The concern is which backflow preventers will be acceptable to the administrative authority. Obviously the Foundation encourages administrative authorities to require assemblies Approved by the Foundation. There are, however, other listing and approval agencies which may be used.

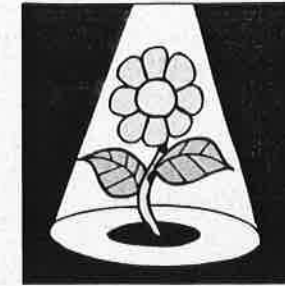
The first point is that the administrative authority must have a nonbiased means of determining which backflow preventers may be installed in the system. The administrative authority needs to avoid any potential conflict of interest, such as accusations of corroborating with a particular sales representative because, for example, the sale representative may be a relative. This is one reason there needs to be clear guidelines so that each backflow preventer has the same listing/approval requirements placed on them if they are to be sold in the jurisdiction of the administrative authority.

Additionally, it is very important that the requirements placed the backflow preventers are valid. For example, the color of the assembly is not technically valid reason for not accepting it in your area of jurisdiction. This is why it is best to rely on the approval of a backflow preventer by an entity that specifically lists/approves backflow preventers. As mentioned previously in this article the Foundation encourages use of its List of Approved Backflow Prevention Assemblies by it Member agencies. The Foundation's Approval Program is unique in that backflow prevention assemblies must, not only pass a stringent laboratory evaluation, but also a twelve-month field evaluation. The field evaluation requires three of each size and model of assembly be installed in actual field condition. They must provide twelve months of trouble free service. At the end of the twelve months the assemblies are disassembled to determine if there are any problems.

The Foundation conducted a survey to determine how often assemblies passing the Laboratory Evaluation phase of the Approval Program did not pass the Field Evaluation in the first time thorough. The results showed that over one-third of the assemblies which passed the Laboratory phase of the Approval Program did not pass the Field Evaluation phase the first time through. This is one of the reasons the Foundation is convinced of the necessity for the Field Evaluation.

Whatever method is used, the administrative authority must make sure to have a standard impartial means of determining what backflow preventers are acceptable in their system.

Excerpted from *Cross Talk*, published by the Foundation for Cross Connection Control and Hydraulic Research of the University of Southern California 1999. Copyright University of Southern California. Used with permission. All rights reserved.



Spotlight:
(the following article will be presented in sections in the next three issues of the TBPA Newsletter)

The Essentials of A Cross Connection Control Program

There are several elements necessary for a valid cross connection control program. These elements can be summarized under the following headings.

- *Authority
- *Backflow Preventers
- *Certified Testers and Specialist
- *Defensible and Detailed Records
- *Education and Training

Authority

Authority is essential to carry out any type of a cross connection control program. The administrative authority must have the legal authority in place to implement policies, conduct site surveys and require protection. This authority is usually in the form of a local ordinance or law of some type. Of course, this will depend on the administrative authority and the type of regulations under which they fall. For example, a county health organization would have a different type of legal authority than would a municipal water agency.

The legal basis for a cross connection control program must be specific in several ways and yet flexible in others. For example, the administrative authority must have the specific right to enforce the program through fines, termination of water service, etc. The adoption of references, however, may need to be more flexible. For example, if an administrative authority decides to make the requirement that backflow preventers installed in their system are Approved by the Foundation, they may specify that such assemblies must appear on the List of Approved Backflow Prevention Assemblies. This can be done in two ways. One administrative authority may site the List of Approved Backflow Prevention Assemblies dated 1 January 1999. This would be fine, except that there may be additions to the list on 2 January 1999. Another possibility is to state assemblies must appear on "the most current List of Approved Backflow Prevention Assemblies". This would ensure that assemblies are Approved at the time they are installed and also allow for additions to the List without having to go through the entire legal process of changing the ordinance or law. Some agencies may want to include a statement which allows them to make more specific requirements. Such a statement may state, "assemblies approved by this department must be listed on the most current List of Approved Backflow Prevention Assemblies, published by the University of Southern California and meet any additional requirements deemed Necessary by the Agency." Whatever type of statement is used it is necessary of the administrative authority to have all the authority they need to effectively carry out their cross connection control program, so that all "reasonable and prudent" actions are taken to prevent backflow.

(Continued on Next Page)

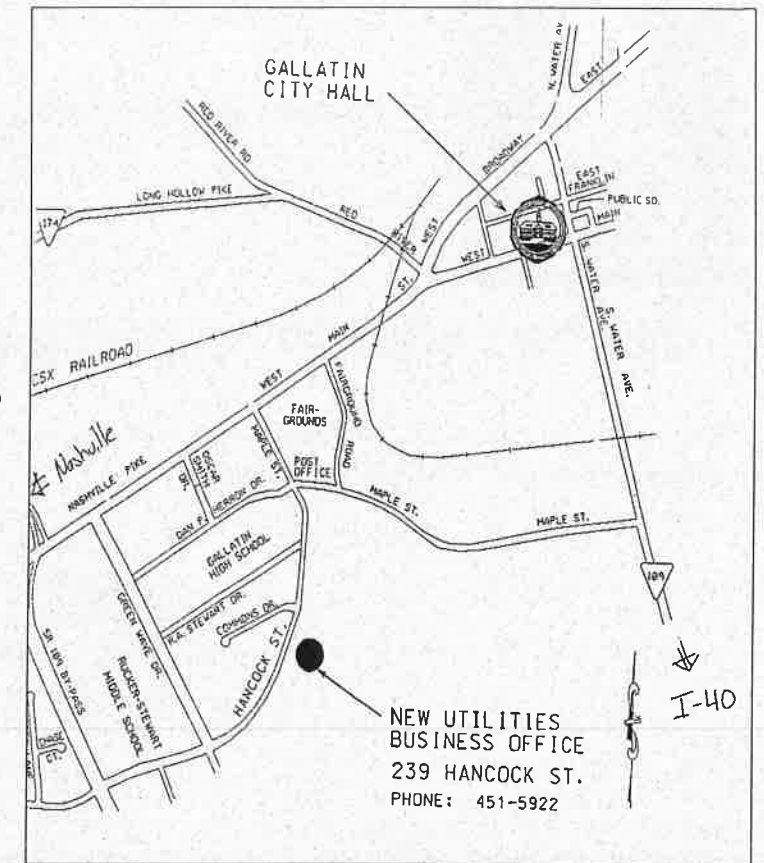
Next Meeting June 14 Gallatin Utilities

Here's how to get there:

From I-40: take Highway 109N into Gallatin, at first light turn left onto SR 109 By Pass, go to first light turn right onto Hancock Street, the building is approx. 1 mile on the right.

From I-65: take Vietnams Veterans Blvd. (Hwy 31E) into Gallatin, turn right at Maple St., through light, building is on the left.

For more information contact David Kellogg at 615-451-5922.



(President's Message Continued)

The ABPA 2001 Conference will be held April 23-25, 2001 in Kansas City, Missouri. I would like to encourage everyone to attend. The national conference offers an opportunity to interact with people from around the country and to experience different views on the field of backflow prevention.

We have a new Chapter treasurer; Lori Bachus has somewhat reluctantly agreed to serve as treasurer. Lori is taking over the checkbook from Becky Thompson who is stepping down after several years of service – thank you Becky for all the hard work. Elections for president, vice-president and middle director are approaching; if you wish to serve in one of these positions (or know of someone who does) please submit your nomination to Angel.

As our membership approaches 200 members – I'll once again encourage our members to become involved in the activities of the Chapter. Input from our membership is needed even more as we grow. Volunteers are needed for the various Chapter committees, especially the newsletter committee – contact any member of the Board of Directors or myself if you are interested in participating in a committee. Angel and Brent are requesting any members with articles or ideas for the newsletter to contact them.

WBPA INFO

Highlights of March 28, 2001 Board Meeting

*Training Committee reactivated to begin work on certification exam. Committee Members are Brent Ogles-Chair, Greg Baker, Grady Gentry, Mike Trigg, Larry Stinnett, and Eddie O'Neill.

*Need Members for Newsletter Committee!!!!

*Board voted to add a third Director at Large, Mr. Dale Phleps.

*Board voted to appoint Ms. Lori Bachus as Treasurer.