

# AZBO News



Arizona Building Officials

March 2016

## Upcoming AZBO Events~ 2016

The 2016 **Spring Education Institute** is just around the corner. April 4<sup>th</sup> through April 8<sup>th</sup> at the Prescott Resort. Register on-line at [www.azbo.us](http://www.azbo.us) See Page 2 for **Wednesday Night Event** Flyer.

The 2016 **Fall Education Institute** is September 25<sup>th</sup> through September 30<sup>th</sup> at the Mesa Hilton. Information will be posted on AZBO's website when available.



### Suggestions Welcome

AZBO Education Institutes are always looking for new and innovative class offerings. New classes for this Spring include Fire Inspections, 2015 Updates, IRC/IECC Plan Review Workshop, Mechanical Code- Hoods and Hazards, and Advanced Solar Inspections. If you have ideas for new classes and are interested in teaching at a future Institute, please complete the Class Proposal form on the AZBO website under the Education & Event tab. [www.azbo.us](http://www.azbo.us)



The **AZBO ABM** will be at the Mazatzal Hotel and Casino in Payson July 12<sup>th</sup> through July 14<sup>th</sup>. Draft agenda:

**Tuesday** at 9: 00 a.m. is the Golf Event at Payson Golf Course followed by Chapter Meetings and Hospitality Event later that day and into the evening. See Page 3 for Hospitality Event Flyer.

**Wednesday** meeting starts at 8:00 a.m. No breakfast is planned however morning break and lunch will be provided.

Wednesday evening is the Awards and BBQ.

*Be sure to nominate your peers prior to the June 17<sup>th</sup> deadline. Nomination form is on AZBO's website under the Awards Tab (top right). Recipient must be an AZBO Member*

**Thursday** breakfast is at 8 a.m., meeting starts at 9 a.m. Lunch is also included.

Watch for additional information to be distributed as it becomes available.



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Wednesday Evening Event  
2016 Spring Education Institute  
Prescott Resort  
Prescott, Arizona  
April 6, 2016

Join us at the no-host bar in the foyer outside the Ballroom at 5:30 p.m.

Dinner will be served at 6:00 p.m. in the Sedona Room. The menu is a Plated Steak Dinner:

- ❖ Spinach, Arugula, Crumbled Feta Cheese, Candied Pecans and Grape Tomatoes with Balsamic Vinaigrette
- ❖ Coffee Rubbed Sirloin Steak with Peppercorn Cognac Cream, Hominy and Caramelized Onion Puree
- ❖ Seasonal Vegetables
- ❖ Raspberry and Chocolate Mousse with Chocolate Cake

This event is hosted by The ICC Grand Canyon Chapter and is being sponsored by The Grand Canyon Chapter, The Central Arizona Chapter and aps.



Thanks to our sponsors – dinner for the first 60 people registered will be \$10.00 per person. After the first 60 and for those who register the night of the event, the cost will be \$35.00 per person.

Our guest speaker/entertainer will be Marshall Trimble, Arizona's Official State Historian. Mr. Trimble taught Arizona History at Scottsdale Community College for 40 years. He is a former U.S. Marine and also received an Emmy for hosting Arizona Backroads. He was honored with a Lifetime Achievement Award by the Arizona Office of Tourism and was inducted into the Arizona Music and Entertainment Hall of Fame.



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You are invited to the Brown & Associates Hospitality Suite

Tuesday, July 12, 2016 @ 6:00 p.m-10:00 p.m.

Spur Bar

3964 E. Hwy 260

Star Valley/Payson, AZ 85541



Transportation from Matagal Casino  
Hotel to Spur Bar provided all evening.

Food, Beverages, Horse Shoes, Pool  
Table, Shuffle Board, Mix ,Mingle &  
Shake your coconuts!



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Mark your calendar! The Grand Canyon Chapter is providing a **Chapter Training Benefit Day** June 30, 2016 in Prescott. The topics will be: *IBC Tenant Improvement Aspects of Assembly, Business & Mercantile Occupancies* and *Continued Use & Reuse of Existing Buildings*. These two half day classes (based on the 2012 IBC) will be taught by Steve Thomas of Colorado Code Consulting. Additional information will be distributed by the Chapter when it is available.

New Board of Directors for the ICC Grand Canyon Chapter:

**Roger Brooks**, President

**Mike Rodriguez**, 1<sup>st</sup> Vice President

**Cindy Sessions**, 2<sup>nd</sup> Vice President

**Scott Buzan**, Treasurer

**Jack Sinclair**, Secretary

**Ralph Garcia**, Board Member

At the Central Chapter Meeting March 8, 2016, **Martin Perez** was elected Treasurer.



In Memory of **Gary Dull**,  
Code Compliance Specialist, Town of Oro Valley.  
From Chuck King, Town of Oro Valley:  
Gary Dull has passed away as a result of an accident at work on February 22<sup>nd</sup>. He was violently rear ended by a driver who has having a medical emergency. He succumbed to his injuries a few days later. *He was a great guy who will be genuinely missed by everyone who knew him.*  
There is no information available at this time as to a memorial service.



Schedule of upcoming meetings:

**April 27<sup>th</sup>** in Phoenix. This half day meeting will include MC Assessors, ROC and Records Retention.  
**August 3<sup>rd</sup>** Mary Dickson will teach a full day class in Phoenix, topic TBD.

**November 2<sup>nd</sup>**, topic, speaker and location TBD.

The Arizona Permit Tech Committee will distribute additional information as it becomes available.

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## In Memory of **Forrest Fielder**

Retired, Certified Building Official, Code Consultant.

Forrest was a long time member of AZBO. He lost his long battle with illness February 26<sup>th</sup>.

Over the past several years Forrest served on the Central Chapter Board, the AZBO Board and numerous committees.

His contributions to Arizona's Building Safety Community are immeasurable.

Memorial Service will be April 17, 2016 in Wickenburg, AZ.

Details at Dignity Memorial: <http://tinyurl.com/h65gox9>



## Code Geek

### **From Bob Lee, Town of Paradise Valley: What to do with fire place dampers?**

After the Environmental Protection Agency required that Maricopa County prohibit indoor wood burning fireplaces, the various jurisdictions in the Valley as part of the Maricopa County Association of Governments Building Codes Committee started requiring permanently installed gas or electric log sets. This appeared in their Standards Manual on 10/22/1997 and became effective no earlier than December 31, 1998.

The change of a fireplace from a wood burning appliance to a fuel fired appliances lead to a requirement that the dampers be welded or bolted open 1" or a 3" hole be put in the damper. A recent survey concluded that about one third of the respondents thought this was done for combustion air; about one third thought it was done to allow the escape of the products of combustion, and about one third didn't know why it was done.

In the 2012 International Residential Code (IRC) it is clear that when an unlisted fuel fired appliance is installed in a fireplace, the damper must have a free opening for the ventilation of gases. While most of the listed gas inserts I have seen (Regency, Napoleon, Heatnglo, Heatilator) have a required outside air requirement also, some (Emberglow) don't.

#### **SECTION G2453 (634) CHIMNEY DAMPER OPENING AREA**

**G2453.1 (634.1) Free opening area of chimney dampers.** Where an unlisted decorative *appliance* for installation in a vented *fireplace* is installed, the *fireplace damper* shall have a permanent free opening equal to or greater than specified in Table G2453.1.

**TABLE G2453.1 (634.1)**  
**FREE OPENING AREA OF CHIMNEY DAMPER FOR VENTING FLUE**  
**GASES FROM UNLISTED DECORATIVE APPLIANCES FOR**  
**INSTALLATION IN VENTED FIREPLACES**

CHIMNEY HEIGHT(feet)	MINIMUM PERMANENT FREE OPENING (square inches) <sup>a</sup>						
	8	13	20	29	39	51	64
	Appliance input rating (Btu per hour)						
6	7,800	14,000	23,200	34,000	46,400	62,400	80,000
8	8,400	15,200	25,200	37,000	50,400	68,000	86,000
10	9,000	16,800	27,600	40,400	55,800	74,400	96,400
15	9,800	18,200	30,200	44,600	62,400	84,000	108,800
20	10,600	20,200	32,600	50,400	68,400	94,000	122,200
30	11,200	21,600	36,600	55,200	76,800	105,800	138,600

a. The first six minimum permanent free openings (8 square inches to 51 square inches) correspond approximately to the cross-sectional areas of chimneys having diameters of 3 inches through 8 inches, respectively. The 64-square inch opening corresponds to the cross-sectional area of standard 8-inch by 8-inch chimney tile.

In the 2012 International Energy Conservation Code (IECC) it is equally clear that the damper must be tight fitting for wood burning fireplaces. Obviously this is to limit the escape of conditioned air when the fireplace is not being used.

## **SECTION R402**

### **BUILDING THERMAL ENVELOPE**

**R402.4.2 Fireplaces.** New wood-burning fireplaces shall have tight-fitting flue dampers and outdoor combustion air.

So that raises the question, "How does a building pass a blower door test when there is a required fuel burning appliance in the fireplace?" Or "Why is the damper required to be open when a fuel fired appliance is installed in a fireplace and required to be tight fitting without one?" "Are people smart enough to open the damper when they light a wood fire but not smart enough to open a damper when they ignite a decorative appliance?"

It does appear that there is a conflict in the codes. Since it is always best to err on the side of safety, some vent to the outside should be installed when required by the particular product or when the product is unlisted. Then close the opening for the duct blaster test?

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From Jack Judd:

ICC Region XI is having their first meeting in Farmington, New Mexico April 7<sup>th</sup>. Region XI includes representatives from Arizona, Colorado, New Mexico, and Utah. AZBO's Region XI members are:

Jack Judd representing the Grand Canyon Chapter  
Randal Westacott representing the Central Chapter  
Brian Uthe representing the Southern Chapter  
Sharon Bonesteel is an Alternate Member



Congratulations to  
Michael "Mac" McMillan, C.B.O.,  
(Brown & Associates)  
for passing the  
Fire Code Inspector I Exam.



You know somebody did it  
or they would not have  
made a 'warning sign'.



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**Sojourner Center**  
*Transforming Lives*

*Sojourner Center, one of the largest domestic violence shelters in the United States, is committed to transforming lives. Since 1977, Sojourner Center has provided shelter and support services to hundreds of thousands of women and children affected by domestic violence.*

Often women arrive at the Sojourner Center with their children and only the clothes on their backs.

We are collecting new **Pajamas** for the children at the Sojourner Center. Currently there are 83 children ranging from ages infant to 16. Let me know if you would like the breakdown by age. Hopefully we'll collect pajamas for every age group.

If you would like to contribute send PJ's to:

- **Patti Schechter**  
**% Brown & Associates**  
15601 N 40<sup>th</sup> Street, Building 130  
Phoenix, AZ 85032

There are also drop boxes in the following locations:

- The **AZBO Spring Education Institute** in Prescott April 4<sup>th</sup> through April 8<sup>th</sup>, attention Mary Dickson. There will be a box in the registration room. See Terri.
- **City of El Mirage Fire Department**, attention Mary Dickson. 13601 N El Mirage Road, El Mirage, AZ 85335
- **Sun Country Marine**, attention Diane Bottomley 9801 N 19<sup>th</sup> Avenue, Phoenix, AZ 85021
- **Efficiency First Arizona (EFAZ)**, attention Heather Szymanski 3418 S 48<sup>th</sup> Street, Suite 9, Phoenix, AZ 85040



If you want to participate and don't want to/don't have time to shop, I will be your personal shopper. You can send me a check and I'll do your shopping for you. I will send you a picture of the receipt and the pajamas purchased for your records.

Make check payable to Patti Schechter.

Email me at [patti@brown-and-associates.net](mailto:patti@brown-and-associates.net) and I will give you the address to send your check to.



Deadline  
4-30-16

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## AZBO 2016 Annual Sponsors



Delivering more than power.™



If your company/organization is interested in a 2016 **Annual Sponsorship** of AZBO, please contact a Board Member. Contact information for Board Members is available on AZBO's website: [www.azbo.us](http://www.azbo.us)