

Arizona Building Officials

March 2016

Upcoming AZBO Events∼ 2016

The 2016 **Spring Education Institute** is just around the corner. April 4th through April 8th at the Prescott Resort.

Register on-line at www.azbo.us
See Page 2 for **Wednesday Night Event** Flyer.

The 2016 **Fall Education Institute** is September 25th through September 30th 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 Education & Event tab. www.azbo.us





The **AZBO ABM** will be at the Mazatzal Hotel and Casino in Payson July 12th through July 14th. 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 17th 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.

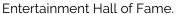






Thanks to our sponsors - dinner for the first 60 people registered will be \$10.00 per person. After the first 60 and for those who register the night of the event, the cost will be \$35.00 per person.

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











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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 Matazal 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, 1st Vice President Cindy Sessions, 2nd 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 22nd. He was violently rear ended

at work on February 22nd. 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 27th in Phoenix. This half day meeting will include MC Assessors, ROC and Records Retention. **August 3**rd Mary Dickson will teach a full day class in Phoenix, topic TBD.

November 2nd, 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 26th.

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











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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.



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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	MINIMUM PERMANENT FREE OPENING (square inches) ^a						
HEIGHT(feet)	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 7th. 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, 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.

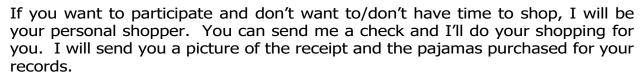
We are collecting new **Pajamas** for the children at the Sojourner Center. Currently there are 83 children ranging from ages infant to 16. Let me know if you would like the breakdown by age. Hopefully we'll collect pajamas for every age group.

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

Patti Schechter
 Brown & Associates
 15601 N 40th Street, Building 130
 Phoenix, AZ 85032

There are also drop boxes is the following locations:

- ➤ The **AZBO Spring Education Institute** in Prescott April 4th through April 8th, 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 19th Avenue, Phoenix, AZ 85021
- ➤ Efficiency First Arizona (EFAZ), attention Heather Szymanski 3418 S 48th Street, Suite 9, Phoenix, AZ 85040



Make check payable to Patti Schechter.

Email me at patti@brown-and-assoicates.net and I will give you the address to send your check to.









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AZBO 2016 Annual Sponsors









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