

*Sometimes, Maybe,  
It Depends =  
My Life Is/Has Been a Gas!*

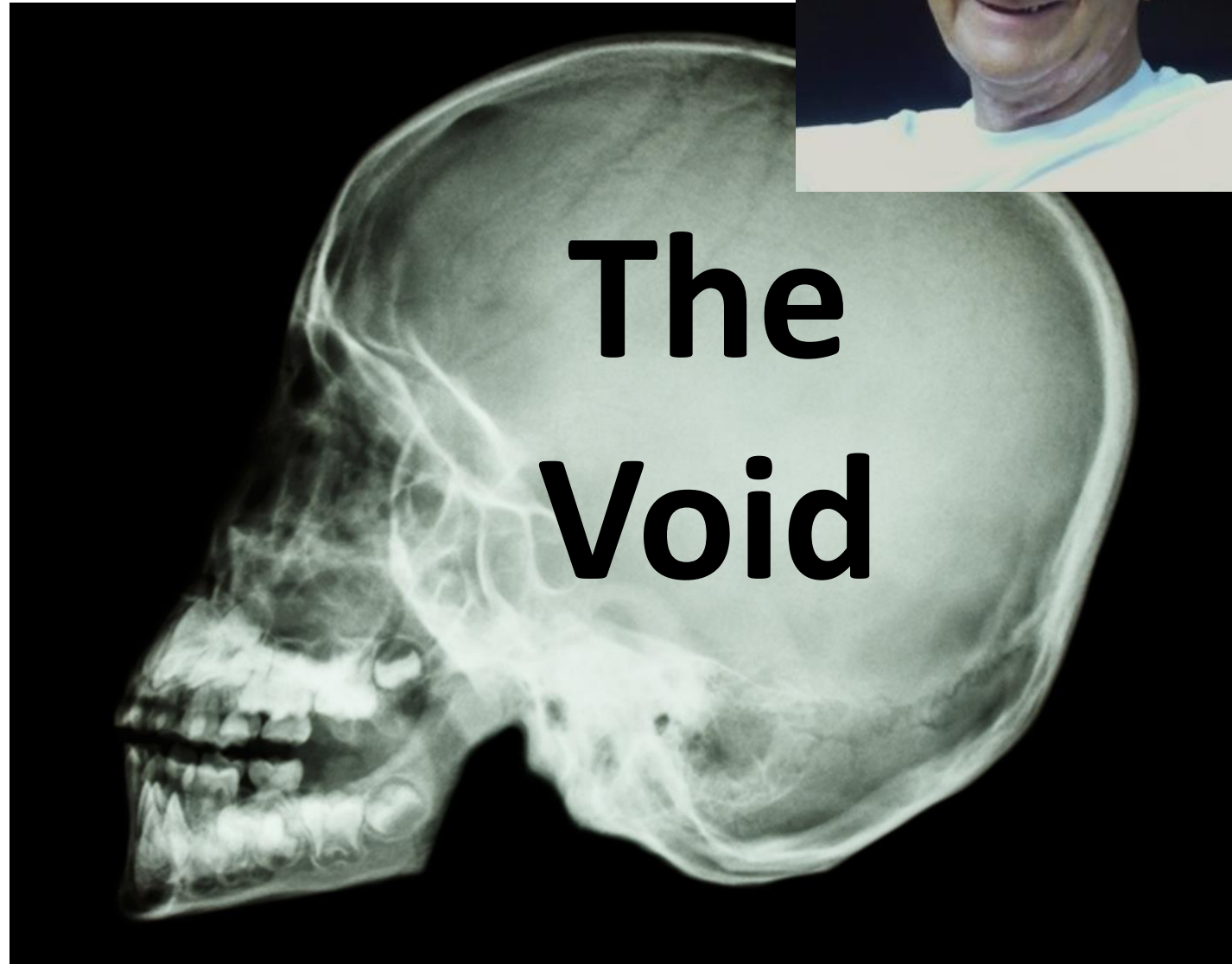
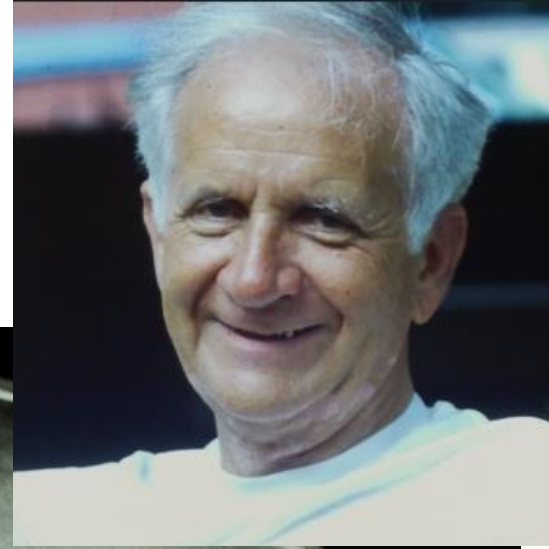
Bruce Snead  
Director Emeritus  
Engineering Extension  
Kansas State University

# The answer to most radon questions.....

- A look back with levity at 35 years of lessons learned in training, technical assistance, t-shirts, songs, and symposiums with members of the radon family.

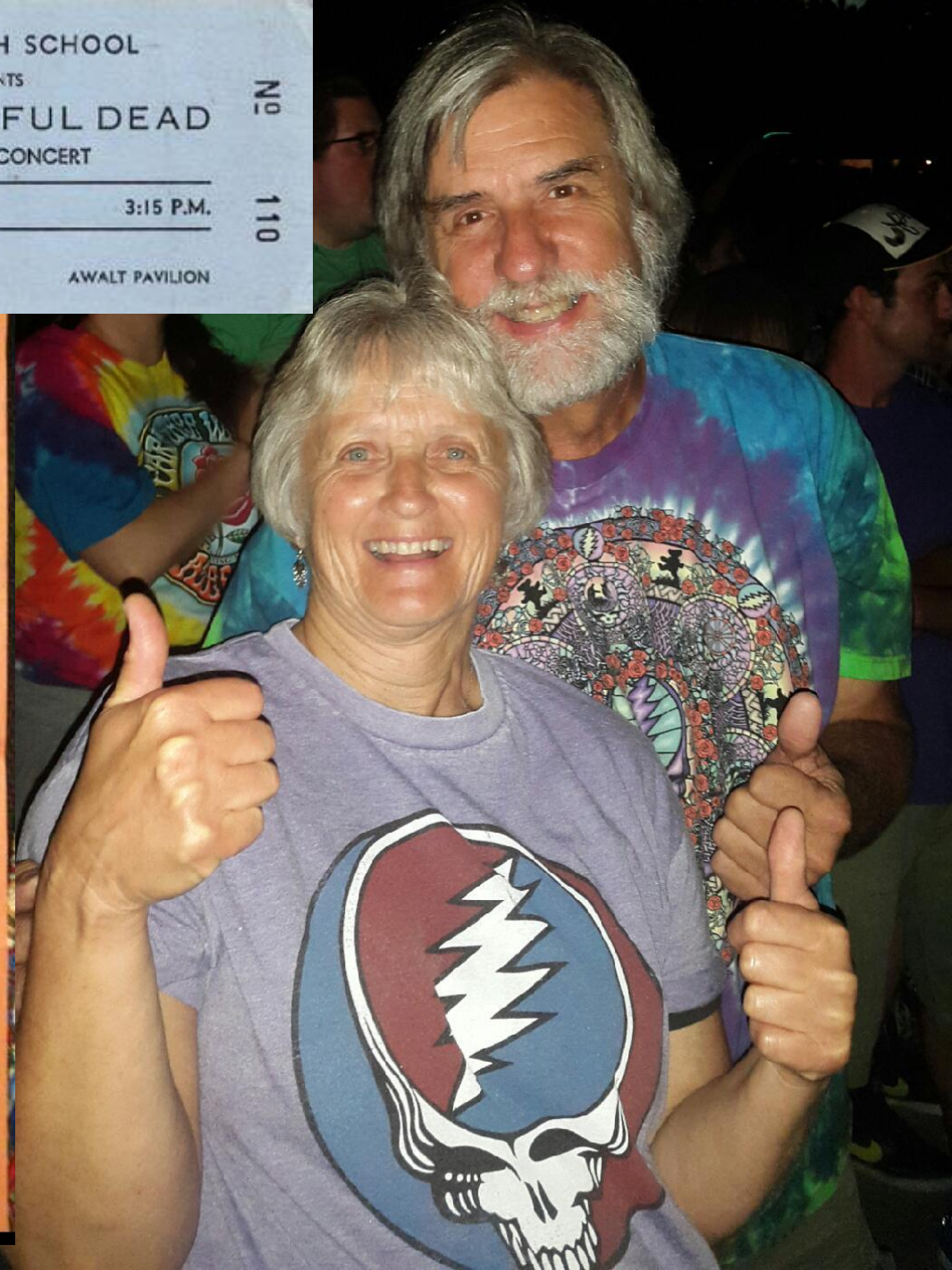
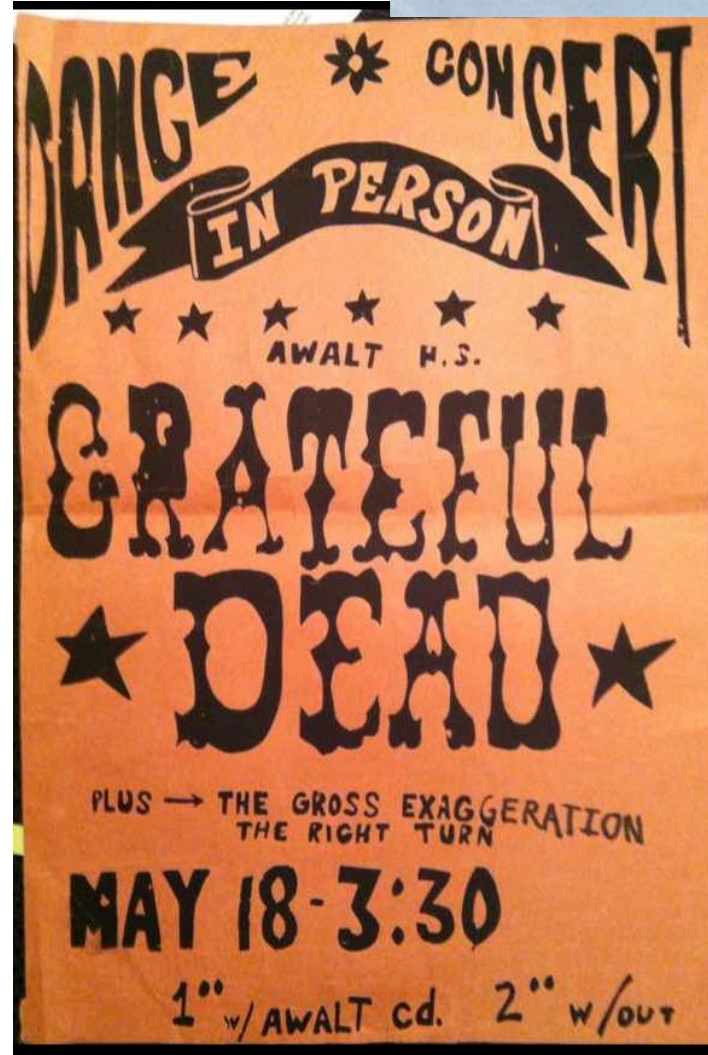
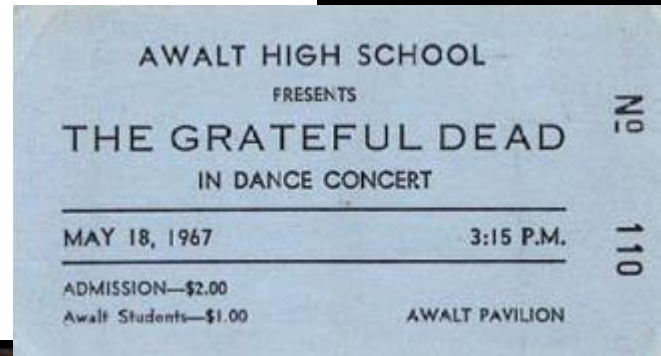
# Dad Was A Radiologist

- “Let’s get a picture of that” was not a “Kodak Moment” in our family.....
- Has the void filled in?.....



# Growing up in the Sixties in California

- The Dead played at my high school in 1967.... need we say anything more....

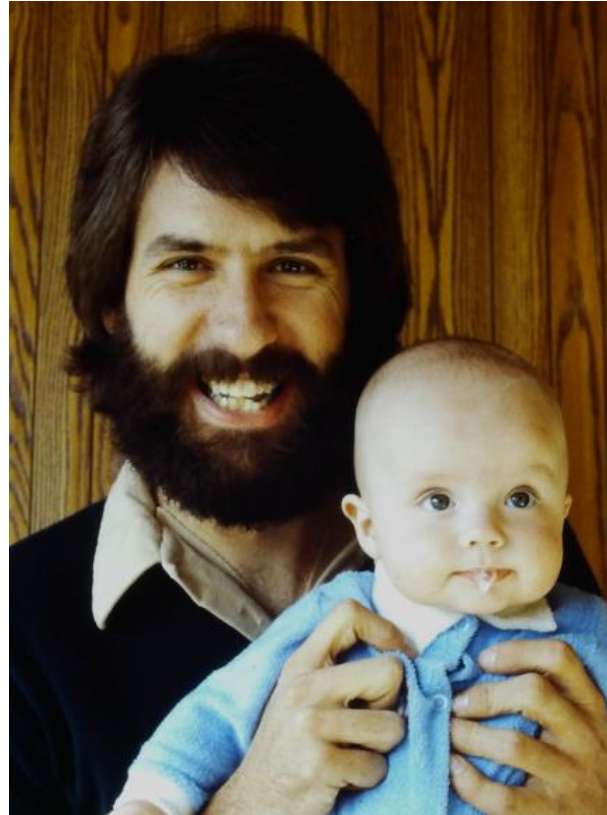


# Those Life Changing Events.....

**Married in 1974**



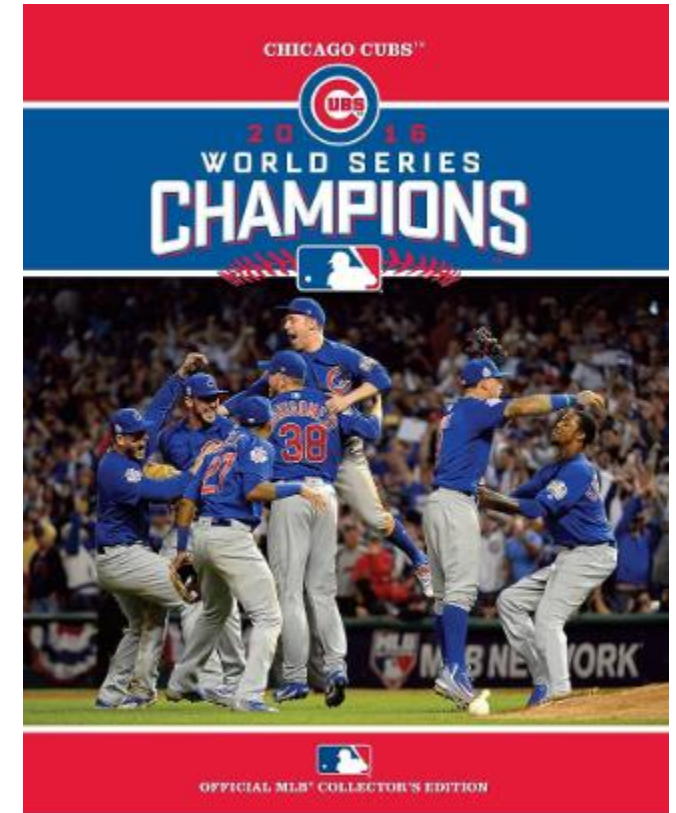
**Son born in 1982**



**Granddaughter  
born in 2016**



**Cubs win the World  
Series in 2016!!!**



I are an Architect....



**CAL POLY**

College of Architecture  
& Environmental Design



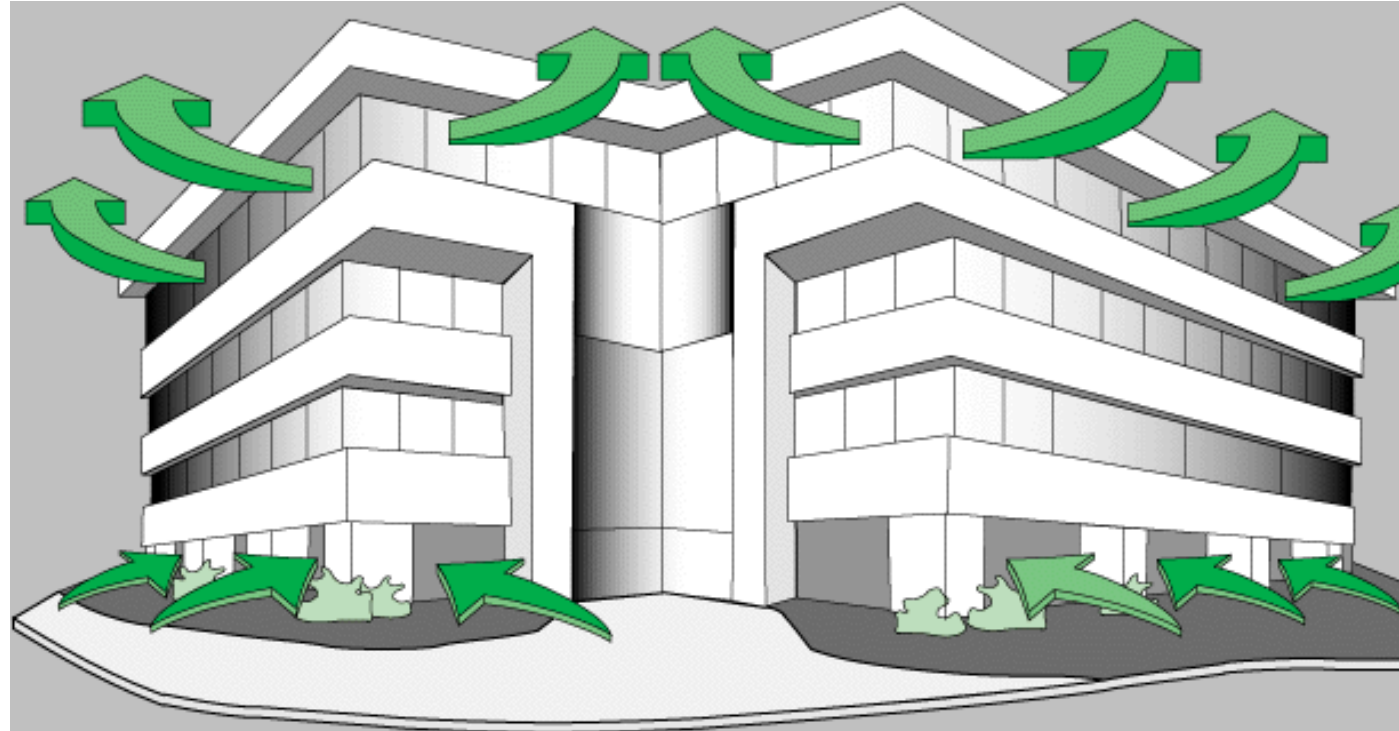
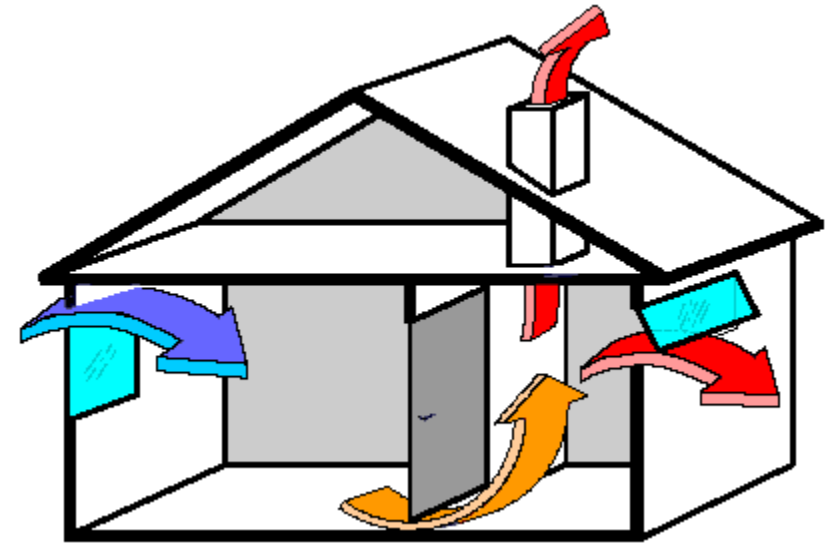
College of Human Ecology

**KANSAS STATE**  
**UNIVERSITY**





I have always been interested in how buildings work



Before Radon I  
was a level headed  
solar designer-  
builder....



Solar Greenhouse Dedication!





# But, How Did You Get Into Radon?

- I said yes to go to training in Omaha -1987?
- Three days of being gassed by:
  - Terry Brennan
  - Jed Harrison
  - What is this half life thing?



# EPA Regional Radon Training Centers – MURC!

- Joined with Bill Angell of Minnesota and AP Jacobson of Michigan to form the Midwest Universities Radon Consortium
- The first tee-shirt!



# Train the Trainers in Kansas City

- 5 days of being gassed to learn how to administer the gas!

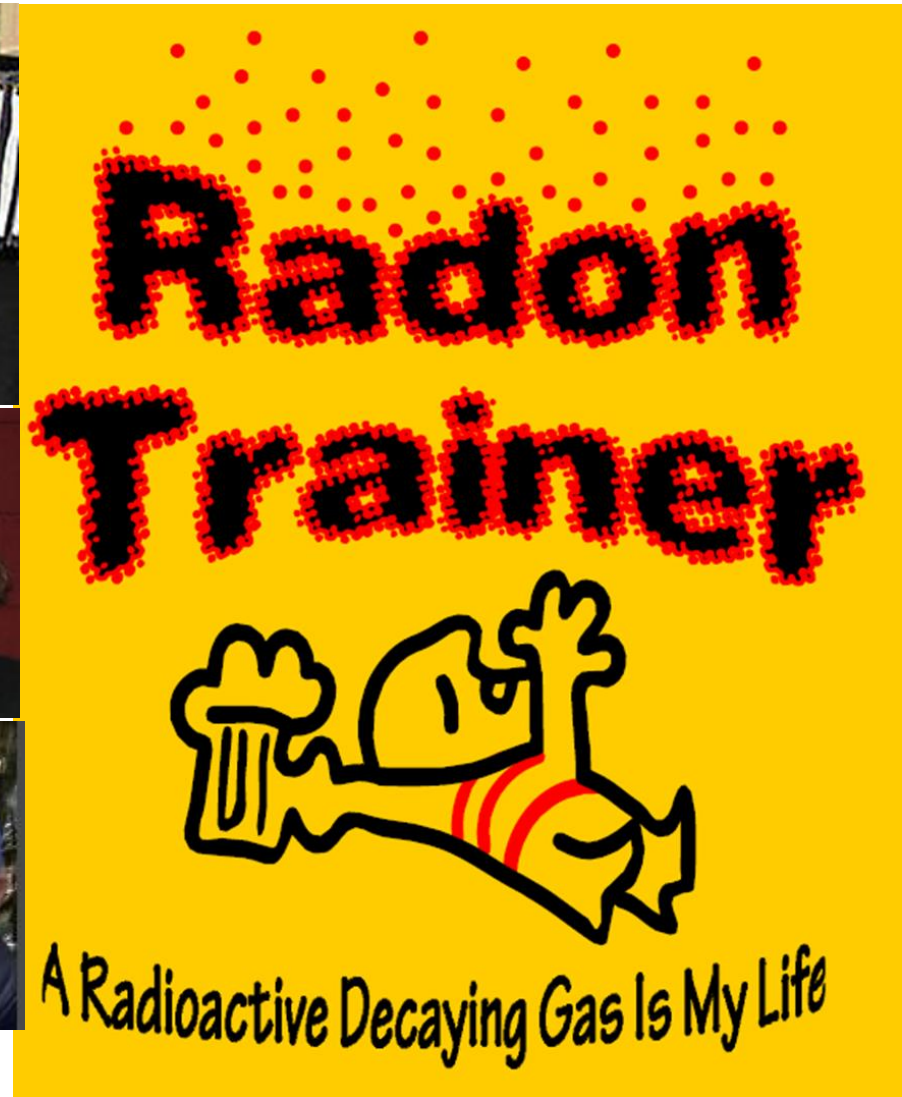
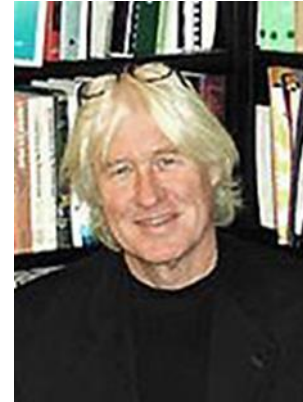


# Curriculum Development by These Characters!



# Radon Trainers... as if it can be trained!

- Jim Fitzgerald
- Jake Jacobson
- Bill Angell
- Richard Shaughnessy
- Laura Oatman
- Terry Brennan
- Jack Hughes
- Jack Bartholomew
- Harry Grafton
- Dan West
- Andy Kelley
- Matt Koch
- Bill Brodhead
- Jim Burkhart
- Ellen Majca
- Chad Robinson
- Josh Kerber
- Brian Hanson
- Gary Hodgden
- Steve Albright



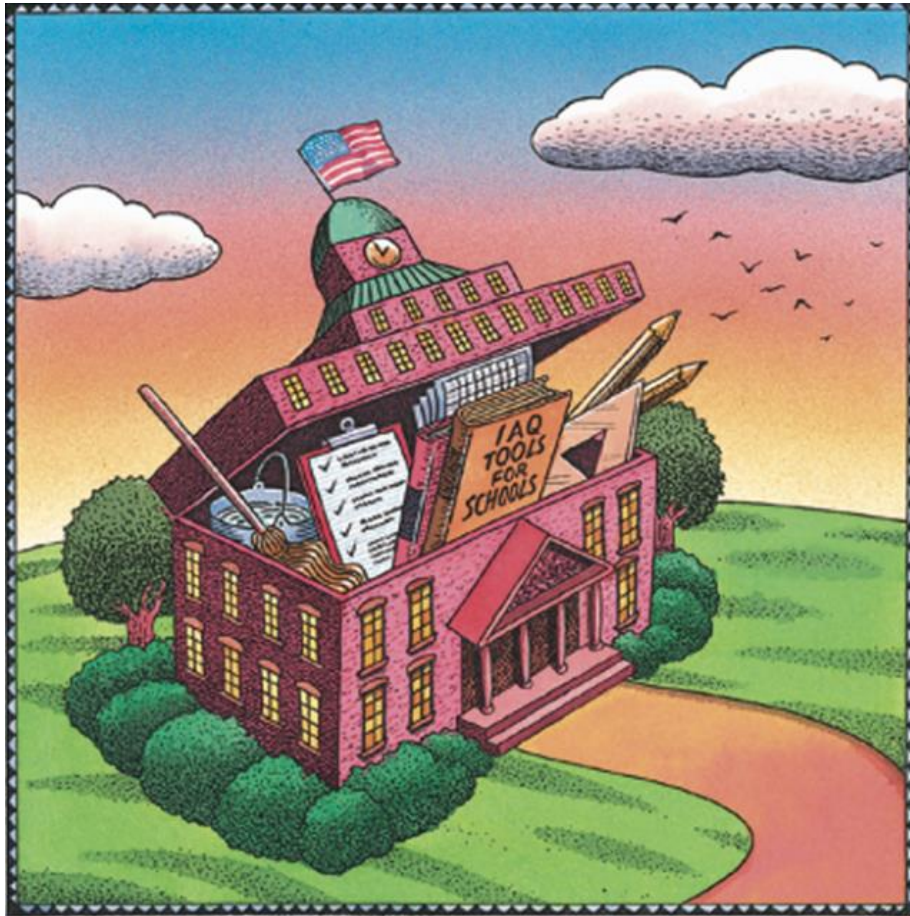
# Indoor Air Quality Training

- Laura Oatman
- Bill Turner
- Richard Shaughnessy
- Terry Brennan
- Bill Angell



Remember to never tell a blonde joke your wife told you in an EPA sponsored training!

# Tools for Schools – the first workshops -1999



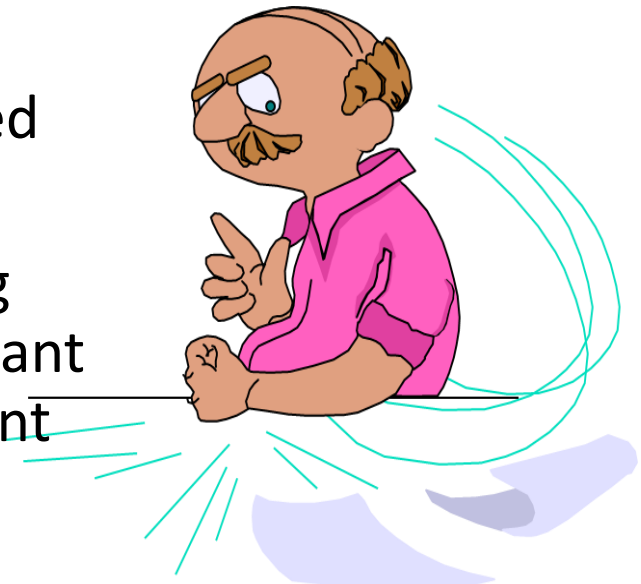
U.S. Environmental Protection Agency  
Indoor Environments Division



## Indoor Air Quality Tools for Schools

### Three Factors Needed for an Indoor Air Quality Problem

- Sources of air contaminants
- Building occupants (the affected person)
- Transport mechanisms driving force that moves the contaminant along a pathway to the occupant



# Two Great Jacks – Bartholomew and Hughes







**Poke  
and  
Hope?**

**Then you don't know**

**Jack!**

**Bartholomew and Hughes**

Tribute  
T-shirt  
for them  
at  
Charleston



**Radon  
Mitigator**

**I know my PFE,**

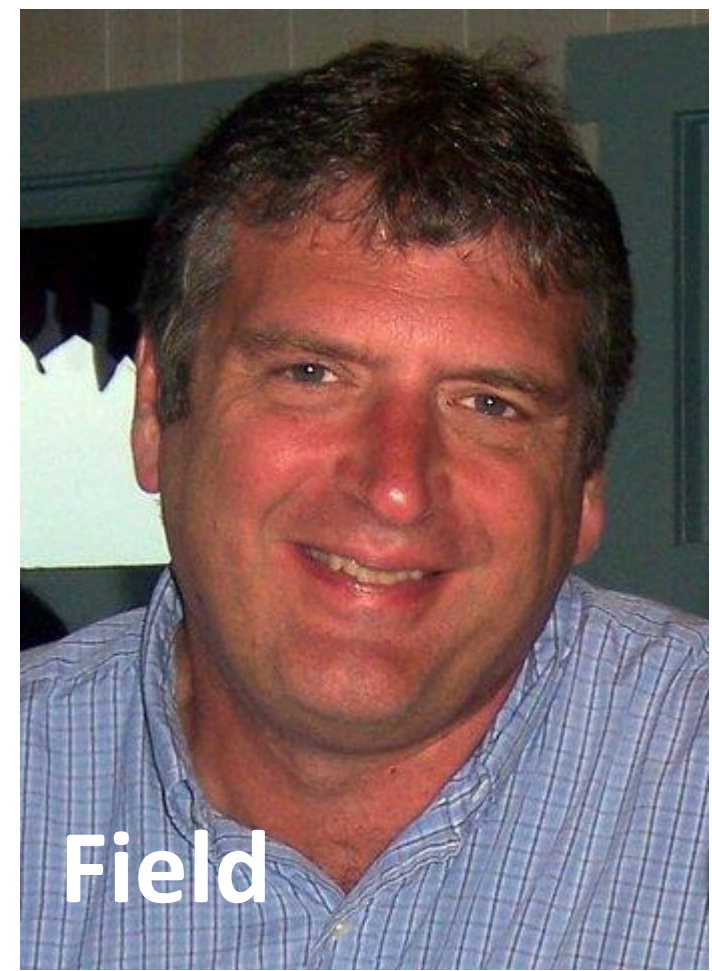
**Jack!**

**Bartholomew and Hughes**

# The Bills of Radon!



**Brodhead**



**Field**



**Long**



**Angell**



**Berry**

# And a new generation of trainers.....



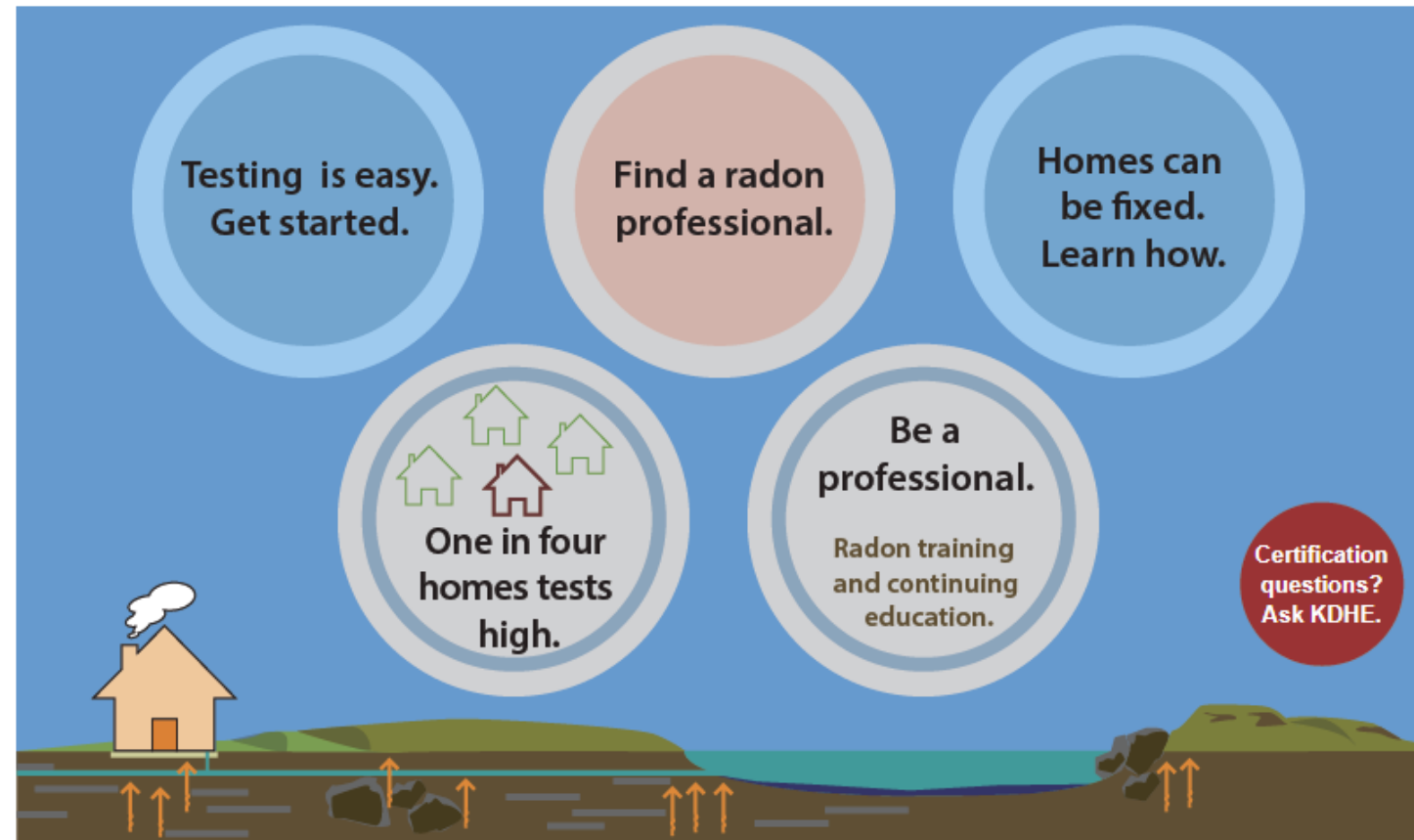
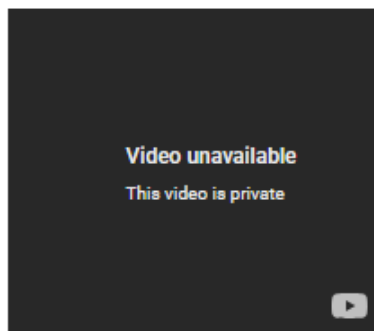
# Kansas Radon Program – 1993 – Today!

- A great team of KDHE folks and KSU staff have achieved a lot together!

## KANSAS RADON PROGRAM

WE ARE OPEN: KANSAS RADON HOTLINE 1-800-693-5343

|                              |
|------------------------------|
| Kansas Certified Contractors |
| FAQ                          |
| Fact Sheets & Videos         |
| County Map                   |
| Contacts                     |
| Training                     |
| Radon in New Homes           |
| Radon in Schools             |
| Links                        |
| Newsletter                   |



# Tee-shirts for Kansas too!



Oh those  
KRAM  
proclamations  
– look at all  
the ties – not a  
t-shirt among  
them!



# The Political Life.....

- Serving on the Manhattan City Commission from 1995 to 2011
- 4 one year terms as Mayor
- Adopting Appendix F in 2000
- Working on Kansas radon legislation



# National Radon Program Services - 2009

- KSU was awarded this program by EPA through what is called a “novation” - from the National Safety Council – I encourage you to not have the same experience!

*Kansas State University*  
**National Radon Program Services**  
— increasing public knowledge of radon and the need to test and fix homes

MAIN PAGE    ORDER KIT    EPA PUBS    FAQ    BUY & SELL

**Who is certified to fix my home?**  
\$1,500 average cost to fix

**Can I build Radon-Resistant?**  
Yes. When done properly

**How do I find a test kit?**  
21,000 deaths from lung cancer

**Do I, or my family have lung cancer?**  
#1 cause of lung cancer in non-smokers

**I'm buying/selling. Who tests?**  
1 in 15 homes test high for radon

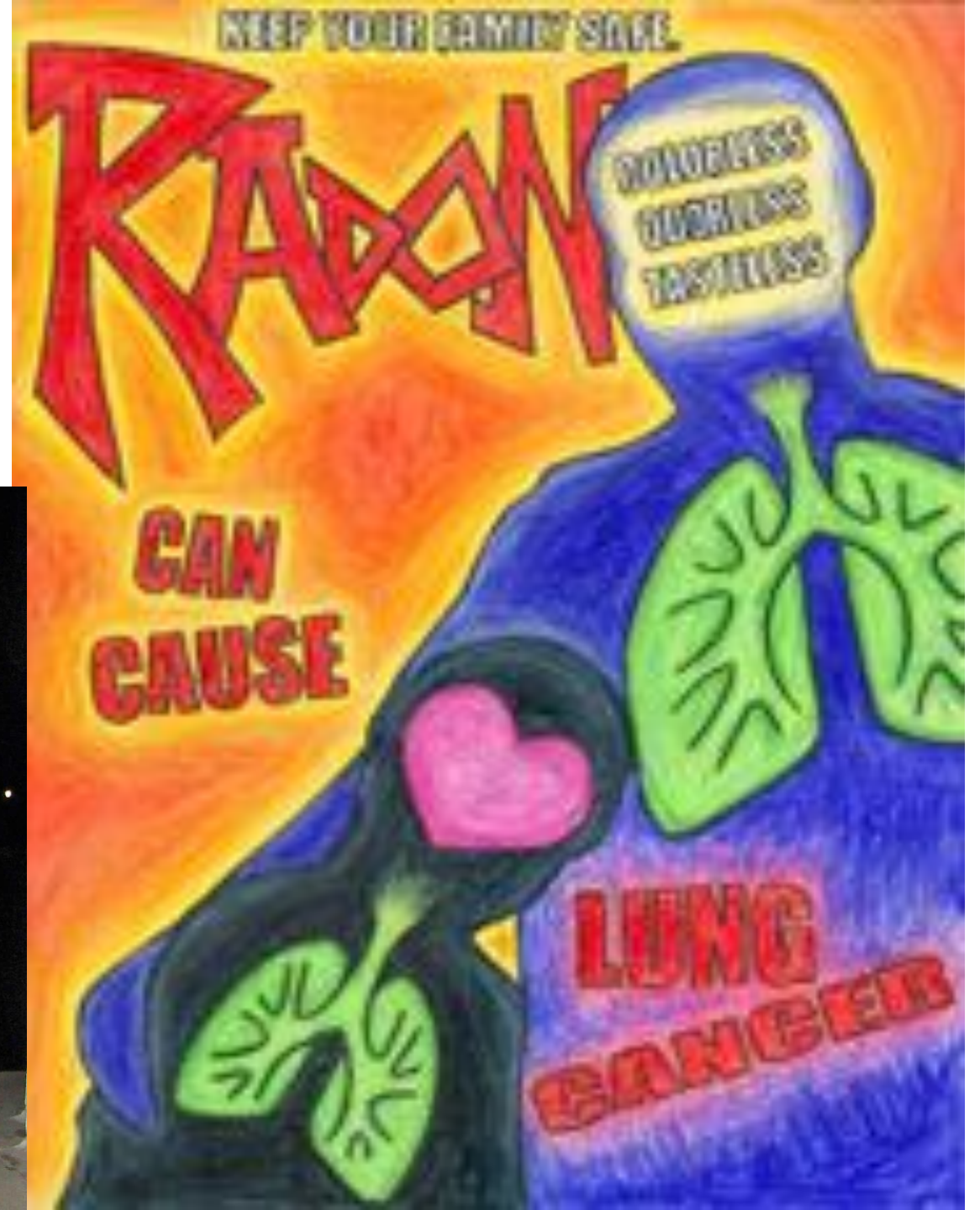
**EPA** United States Environmental Protection Agency

The banner features a background illustration of a city skyline with various houses and trees. The statistics are presented in colorful speech bubbles above the houses.

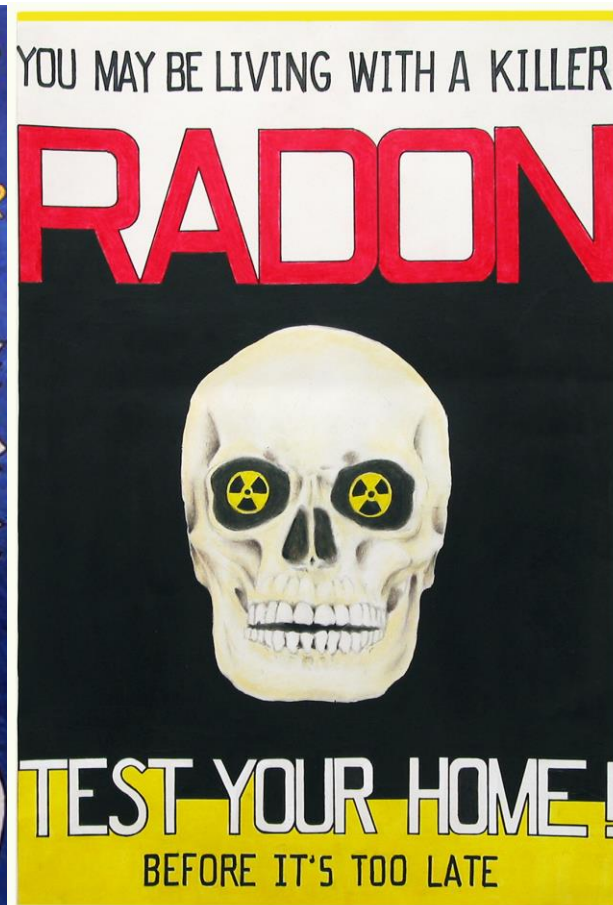
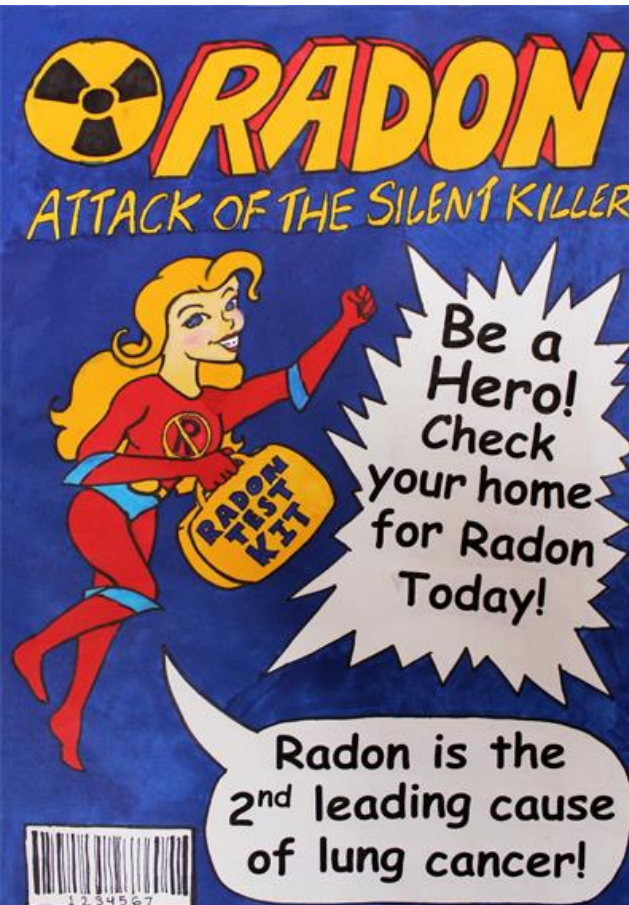


# National Radon Poster Contests

- Tour of DC for the winners!



# National Radon Poster Contests



# National Conference of State Legislatures

A partnership to advance legislation.....

- EPA
- CRCPD
- AARST
- KSU
- NCSL
- CanSar
- CR3
- ALA



My date with Mira Sorvino!



# NCSL Teammates and Booth!



We brought out Mr. Lincoln to advocate for radon legislation.....



# Chairing the NRPP Policy Advisory Board for 8 years...

- Working with Peter Hendrick and AARST Boards on so many things....



# Regional Stakeholder Meetings and State Radon Conferences

So many of these  
over the years where  
training and  
partnerships were  
developed and  
AARST chapters met  
and formed



# Ahh the Symposiums.....

- Led by so many dedicated and creative staff, volunteers and chairs!!!







The first one - Page in a Cage  
Winners in Minneapolis! - 1992



Wild Times  
in New  
Jersey – you  
can imagine  
the lyrics  
written  
here.....



The cast of characters....



I believe Anita got Shmidt faced here.....along with a few others.....

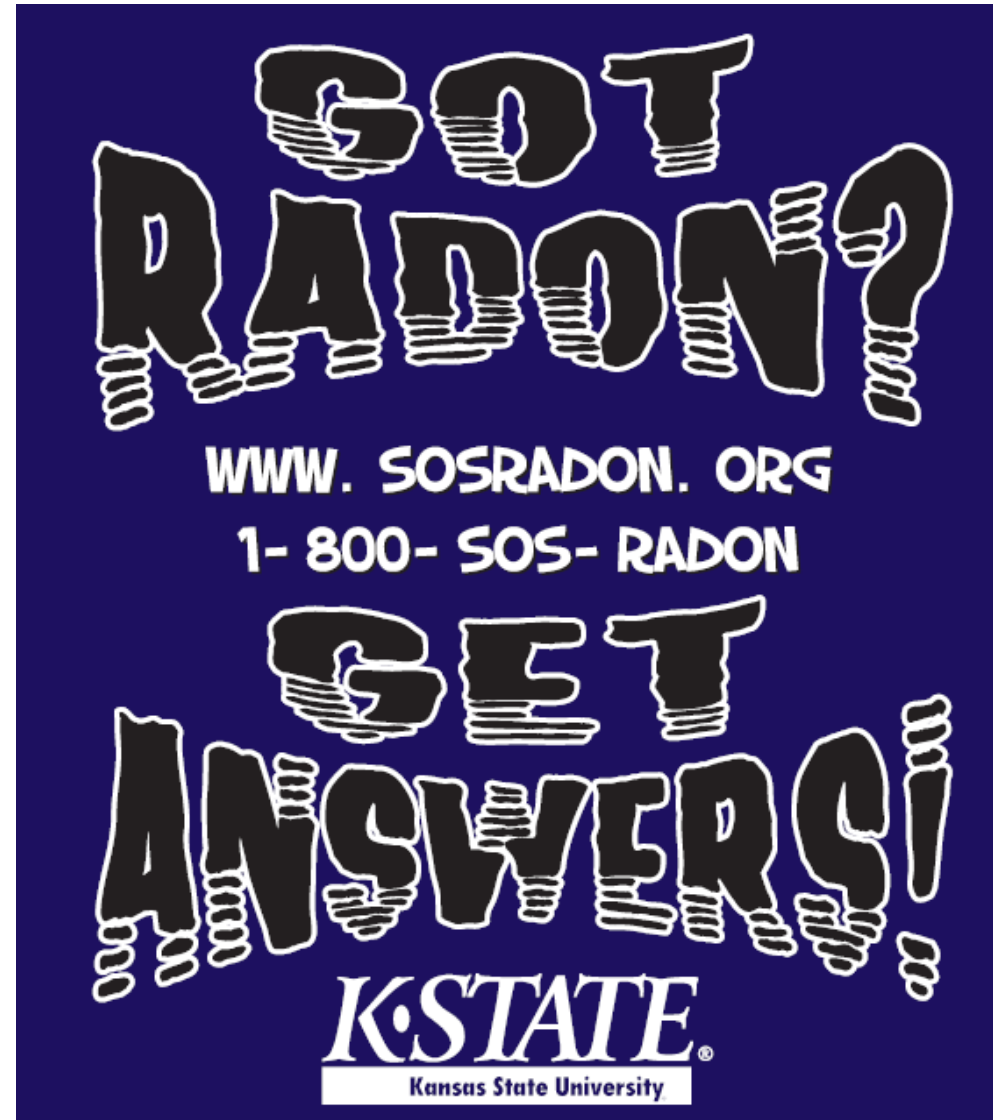
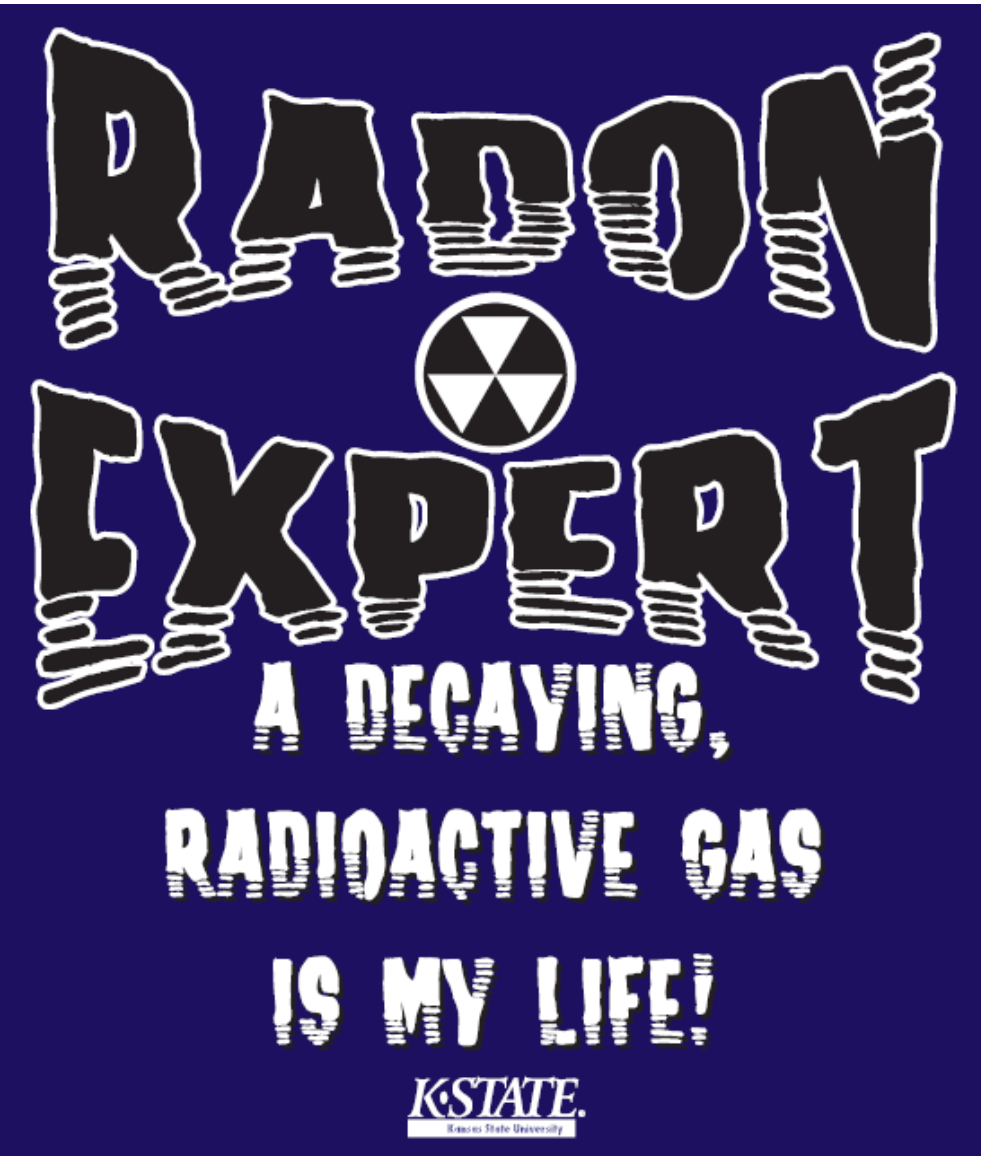
- Dave Chase – a great guy... no longer with us...

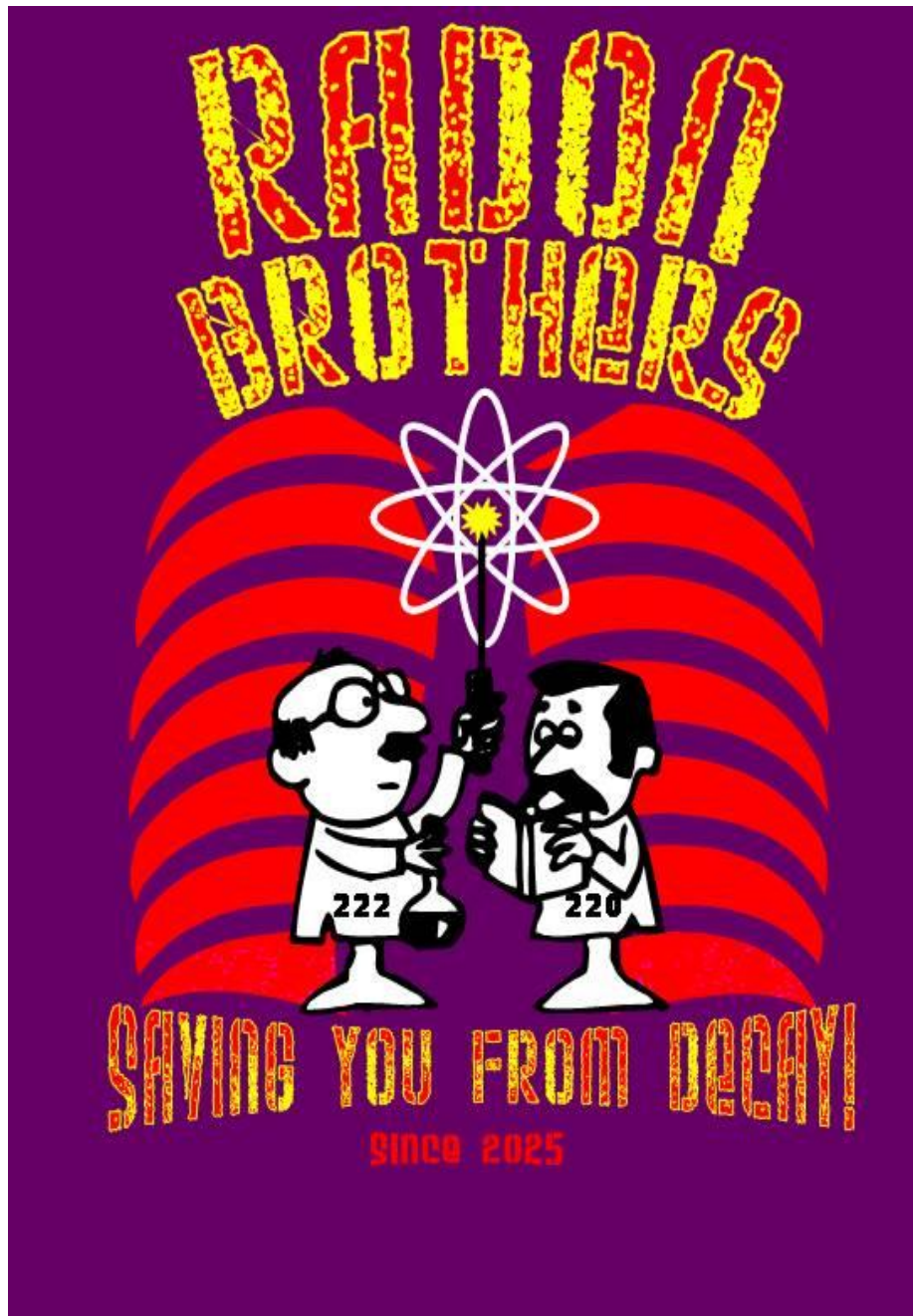


It's all about getting together with friends – old and new

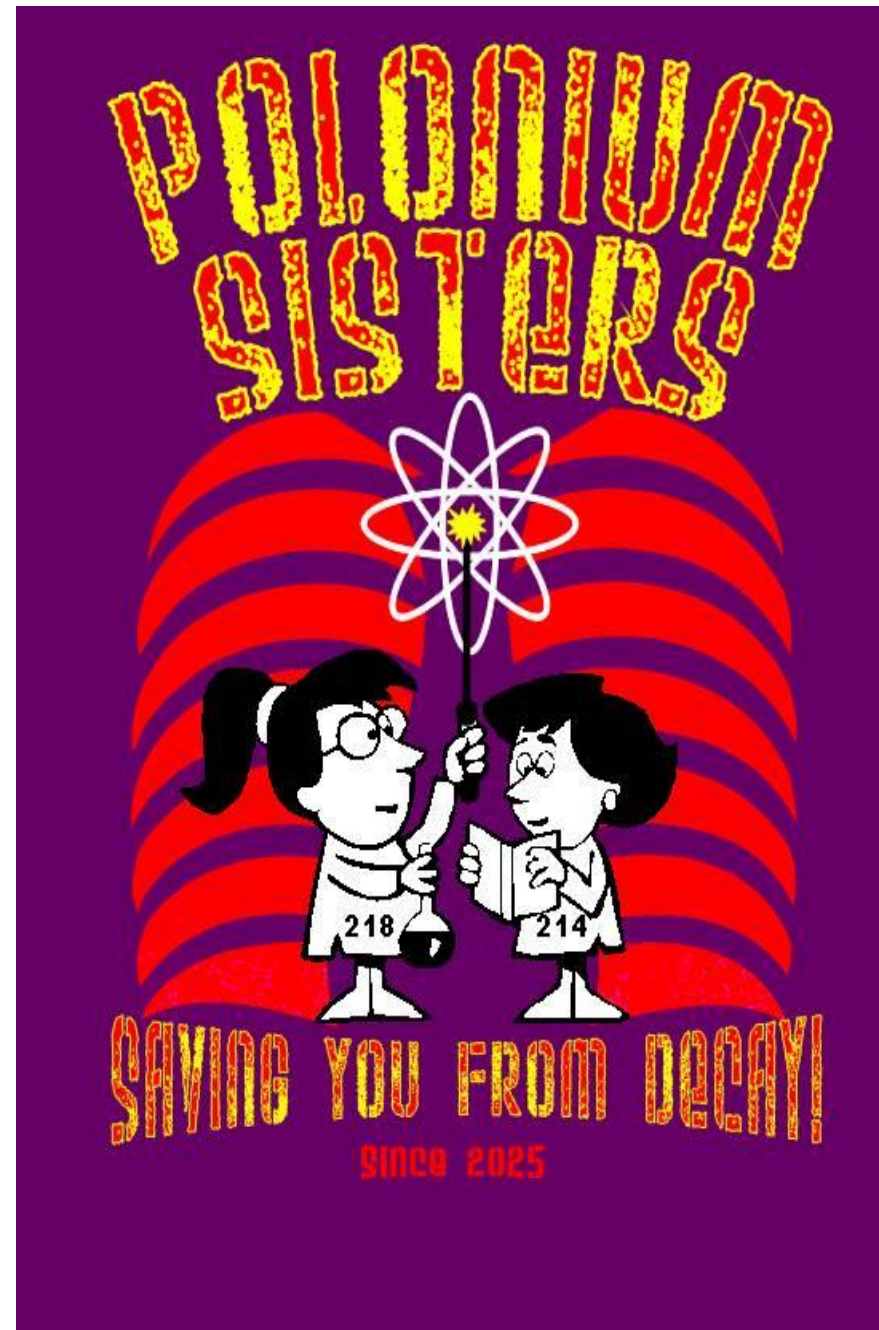


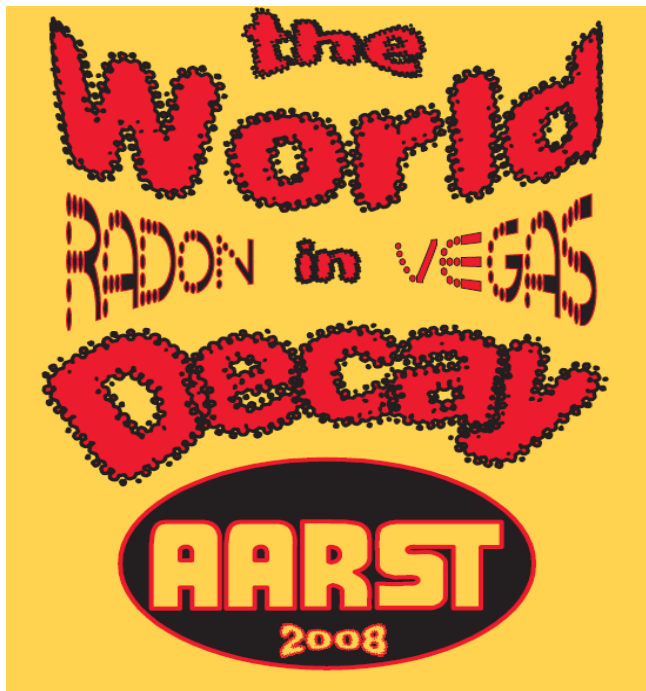
T-shirts.....I got t-shirts!





Newport  
News  
- the  
night  
out  
was  
epic





And of course, many times in Vegas - where Fan Man and Art themed radon pipe were conceived..... With the aid of fermented beverages.....







2005  
San  
Diego  
- there  
was a  
pole on  
the ship's  
dance  
floor!



Nashville -  
the last time  
- I was angry!



radon

Your house sucks!

MURC-KSU



radon

It's the Polonium, stupid!

MURC-KSU

# Jacksonville

**You Can Be a  
Radon Millionaire!**



**Ask Me!**

Helping to  
generate  
the first  
radon  
millionaires  
????

**Top Ten Ways to  
Succeed in the  
Radon Business!**

- ✓ Appreciate decaying gas
  - ✓ Pass an examination
  - ✓ Enjoy regulation
- ✓ Remind them it's the Polonium
- ✓ Tell them its never the same
- ✓ Tell them their house sucks
  - ✓ Deal with the pressure
- ✓ Suck harder than your competition
  - ✓ Caulk your cracks
  - ✓ Be a self-emanator
  - and,
- ✓ Get a radon sniffing dog!

# Derailing the Fred Thompson Presidential Campaign in Jacksonville!

- We raised cane outside his bus at the symposium!





Springfield - Fan Man debuts with the whoopee cushion.....

**How Many CFM  
Does It Take To  
Get FAN MAN UP?**



# New Orleans – what more needs to be said...

AAST-NRPP

KANSAS STATE UNIVERSITY

**VOODOO**

**RADON**

soaradon.org

800-767-7235

**C'MON - STICK IT TO RADON!!**

PUT A PIN IN HIM!

PUT A PIN IN HIM!

**RADON**

The eight voodoo pin colors and their meaning —

- yellow for success
- white for positivism
- pink for death
- red for power
- purple for spirituality
- green for peacefulness
- blue for love
- black for repelling negative energy

**IT'S NOT VOODOO IT'S SCIENCE!**

**RADON KREWE**

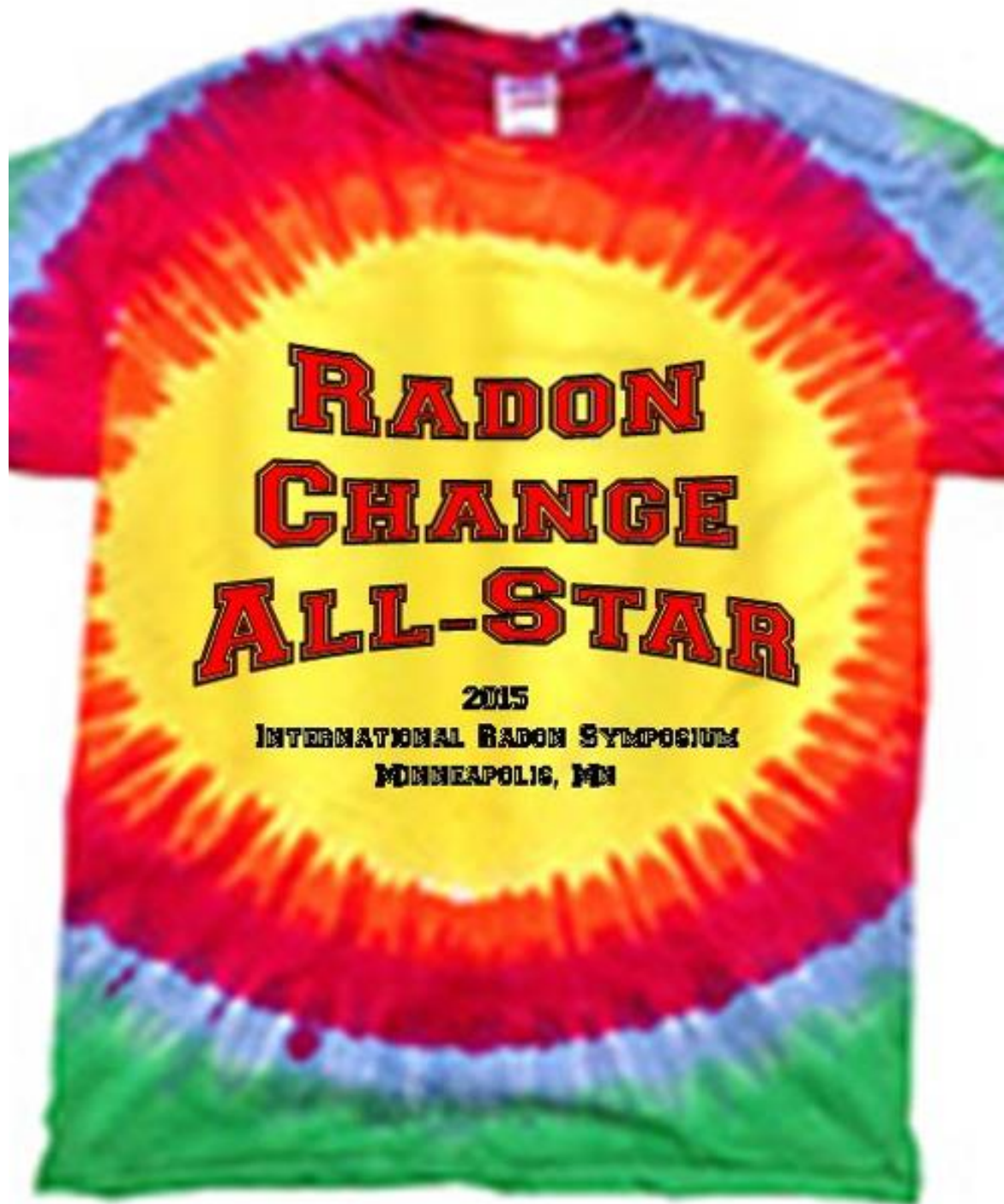
**RADON**

**IT'S NOT VOODOO.**

**IT'S SCIENCE!**

**WE CAME. WE MET. WE ATE. WE GOT GASSED!**

**NAWLINS 2017**



Minneapolis – 2015 the Mall of America was rocking to the Radon Change All-Star Band



Myrtle  
Beach..

Another epic  
night out in  
2018-

The Radon in  
Granite Blues  
performed by the  
Bearded Overlord  
and the  
Emanations, and a  
radon jam band  
closed out the  
night





# RONCO'S TOP TEN RADON HITS FOR 2001 on CD soon - not available in stores!

## Sung to the tune of

- On the Good Ship EPA → • On the Good Ship Lollipop
- Down in the Basement → • Under the Boardwalk
- The Radon Seeps Tonight → • The Lion Sleeps Tonight  
(Working level, working level) (a weem a way, a weem away)
- Help Me Radon → • Help me Rhonda
- Sniffin' Surfari → • Surfin' Surfari
- I Can't Get No Mitigation → • Satisfaction
- Working in a Crawl Space → • Working in Coal Mine
- There is a House in Boyertown → • House of the Rising Sun
- Gimme a House Full of Radon → • Gimme That Old Time Religion
- Come on Baby Lets do Mitigation → • Locomotion

# And those famous Radon Bands.....

- Al Fah and the Particles
- Radon Crue
- Burnie and the Canisters
- The Daughters of Decay
- Michael and the Mitigators
- Rn222
- The Trakers
- Ken and the E-PERMS
- Plate Out
- Progeny Jackson

# 2018 -Adding a Radon Chamber at KSU

- A big move from CO to KS with the help of Dr. Jim Burkhart
- DPT's – Spikes – Device Evaluations – Ecosense REP calibrations



# Radon Chamber

## Kansas State University



KSU Radon Chamber

NRPP Certification ID Number SC-1006



Denver 2019.....  
before Covid



Bruce is in the chamber  
watching you.....

# Flying Radon Detector

[ksuradonchamber.org](http://ksuradonchamber.org)

Changes Color When  
Exposed to Radon

# Making Radon Visible in Maryland 2021.....after Covid...kind of.....



**STOMP OUT**



**RADON!**

Seattle  
2022 –  
Where  
“Bruce is  
not with  
us....”

**OFFICIAL BIGFOOT**



**RADON TEAM**

**KANSAS STATE  
UNIVERSITY**



# Nashville 2023 – Where Bruce is with us now!

**Radon Programs**  
Kansas State University

800-767-7236  
www.sosradon.org

National Radon Program Services

833-723-6222  
www.radoncourses.com

Kansas State University  
Radon Courses

785-532-6026  
www.ksuradonchamber.org

KANSAS STATE UNIVERSITY  
Radon Chamber

800-693-5343  
kansasradonprogram.org

Kansas Radon Program

**RADON**

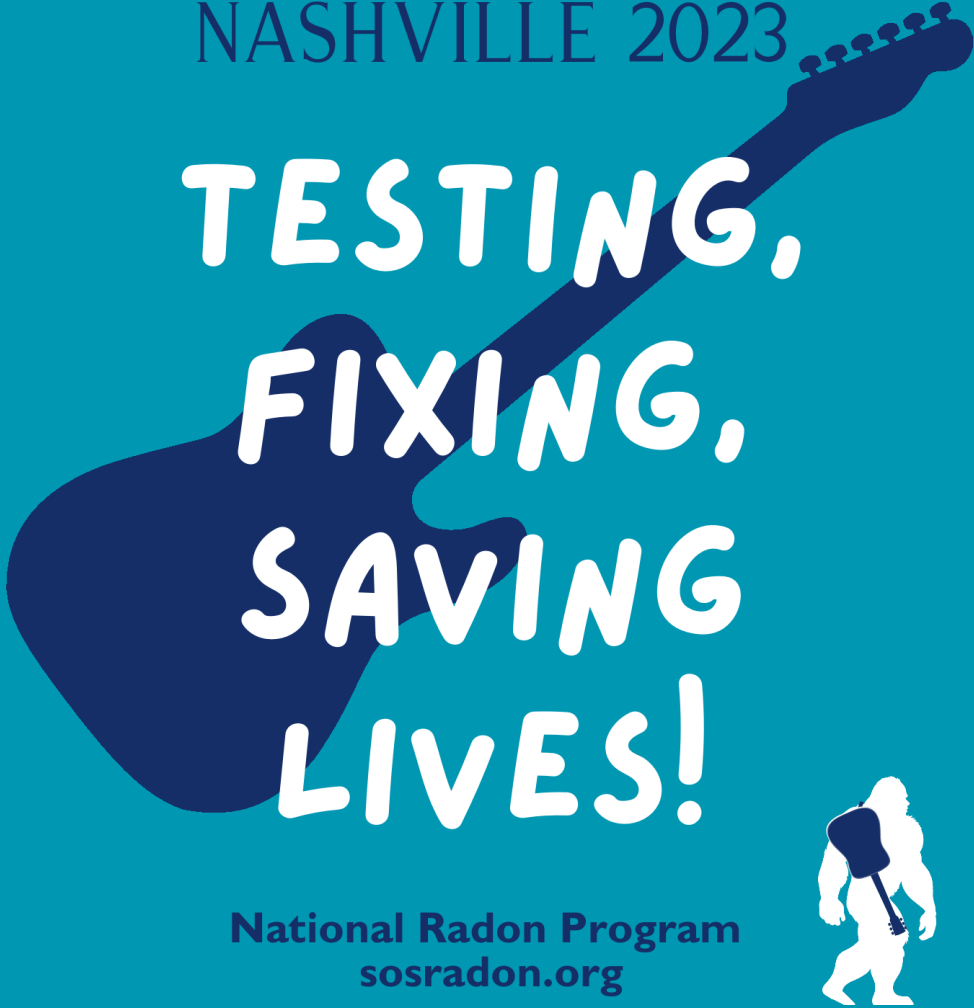


**BELIEVER**

INDOOR ENVIRONMENTS  
NASHVILLE 2023

**TESTING,  
FIXING,  
SAVING  
LIVES!**

National Radon Program  
sosradon.org



I am fortunate and proud to be recognized for  
Mentoring ----- Leading ----- Serving





# And Be a Hero Among Many Heroes



I turned 72 on June 7<sup>th</sup> at our Optimal Mitigation and Advanced Diagnostics Course in Lenexa with this cast of true believers....and even made it to the class the next day





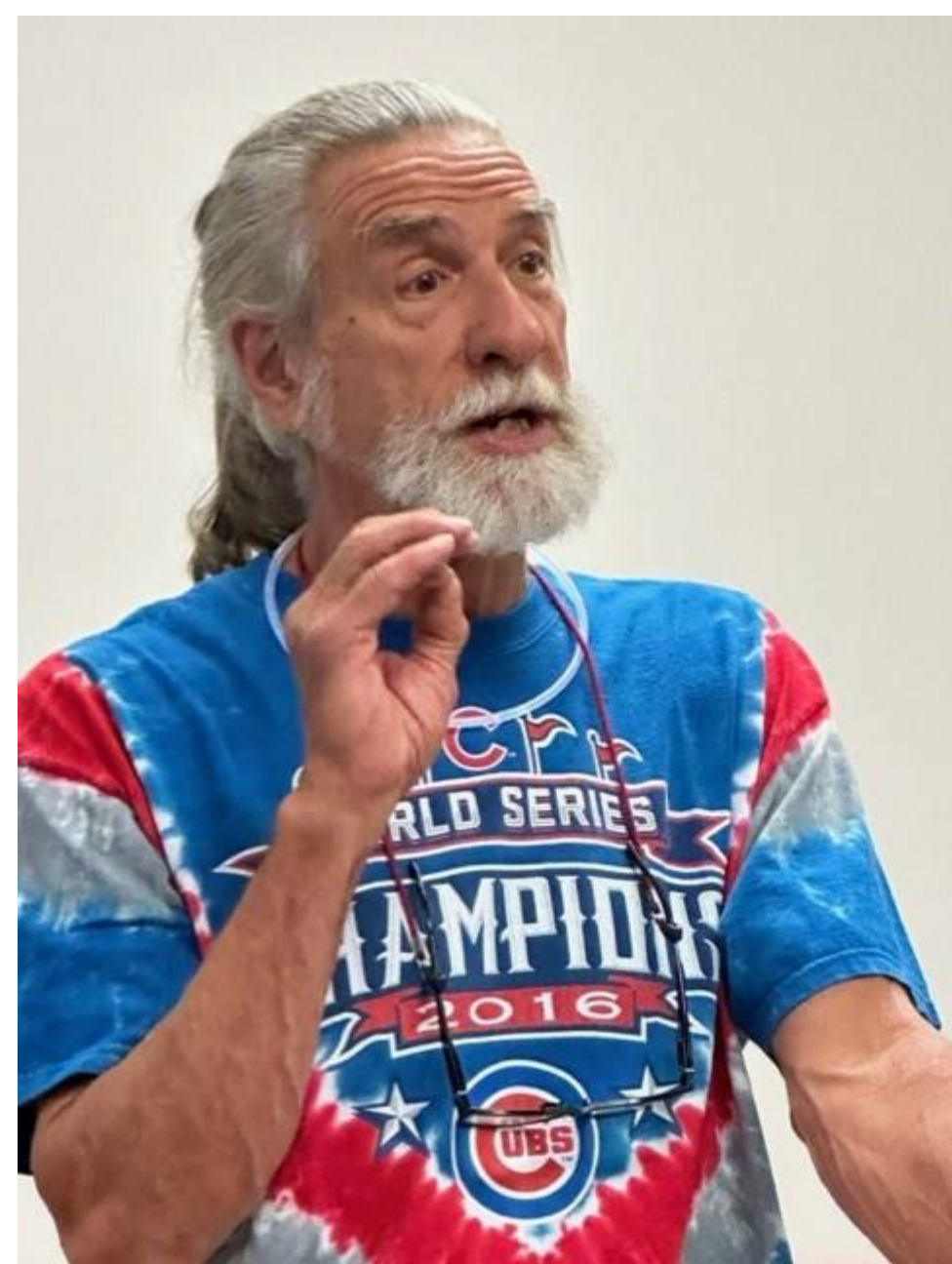
These lovely people came to my retirement reception in June....



Did I say "lovely"????

# What I Tried to Do.....

- Meet my responsibilities with three things in mind....
- Integrity
- Creativity
- and
- Levity
- ‘Cause if it ain’t gonna be fun why do it!



# A Unique Position.....Where I was able to.....

- work with federal, state and local government agencies and leaders
- work with radon industry leaders and workers
- work with AARST and NRPP staff and leaders
- train new members of the radon industry
- serve and connect the public with the best information about this unique naturally occurring health risk
- see so many great people volunteering together in this mission to save lives, and have a good time doing it all!!!

# KSU Radon Programs Team – the work goes on!!

Brian  
Hanson



Stephanie  
Lehmkuhl



Alexandra  
Bahadori



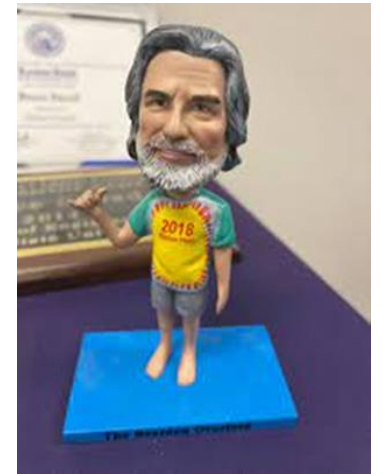
Kristina  
Snyder



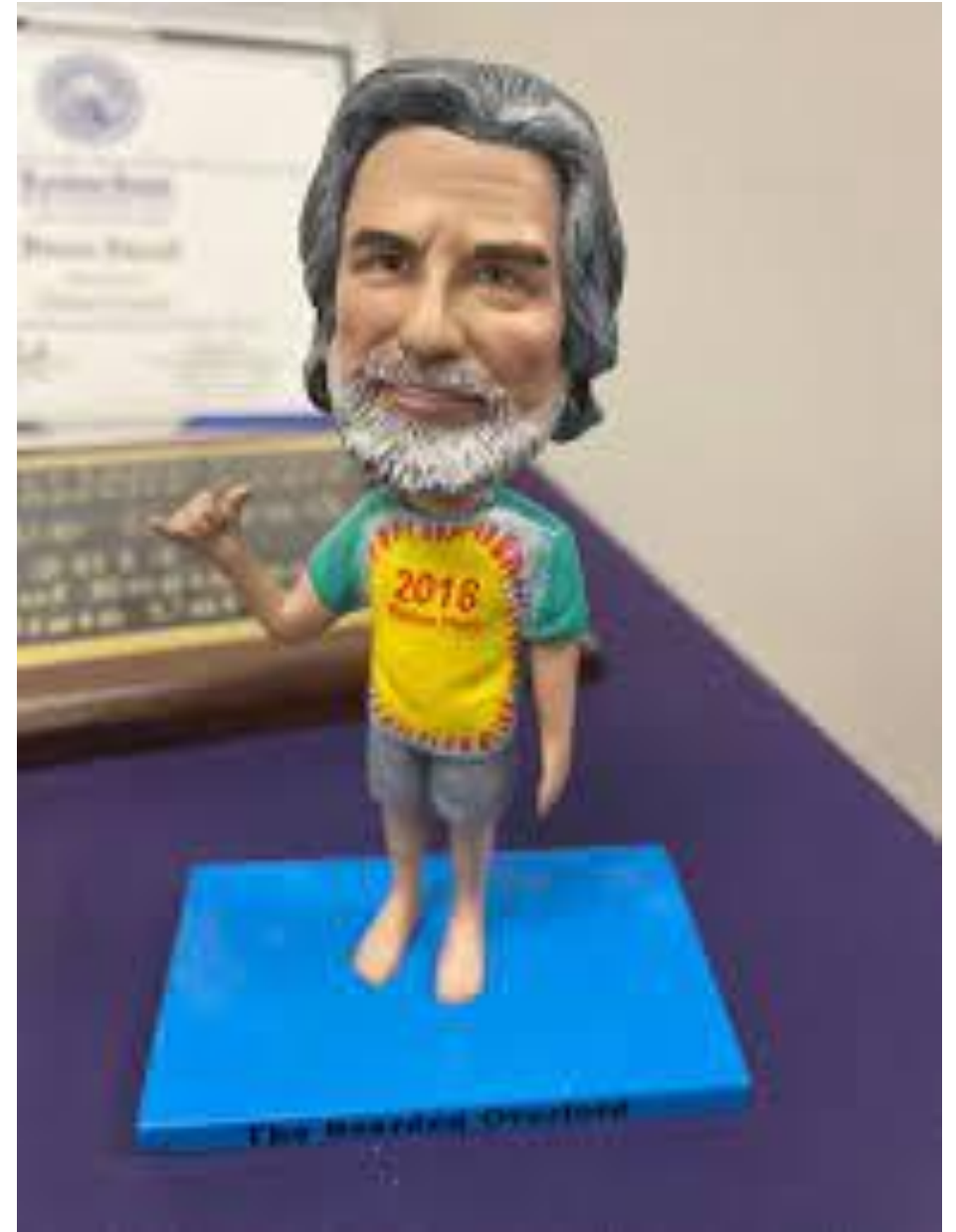
Laura  
Wallace



**And the old  
bobblehead  
Snead  
watching...**



And I Leave You With What  
Everyone Should  
Experience When In the  
Company of Dedicated  
Radon Volunteers.....





# Orgasmic Euphoria!

