



## Detecting Radiation in Our Radioactive World

*The American Nuclear Society's  
Teacher Workshop on Nuclear Science & Technology  
Sunday, February 24, 2013 – Phoenix, Arizona  
Convention Center  
Agenda*

- 7:30 AM Attendee Check-in begins (Continental Breakfast available)
- 8:00 Welcome & Introductions; Overview of Workshop
- 8:15 Seeing the Unseen (Rutherford Boards) - Walt Thomas
- 8:45 Introduction to Radiation – Deb Thrall -- approx 45 minutes  
(Half-Life Activities & Modeling “decay”) – approx 30 minutes
- 10:00 BREAK
- 10:15 Radiation Decay Chains – Deb Thrall  
Fuel Cycle Intro
- 10:35 Uranium Mining/Milling/Tailings and Water Quality Issues - Mansel Nelson  
Radon Topics
- 11:45 LUNCH (provided)
- 12:30 Nuclear Power for Electricity Generation – Terry Price
- 1:30 Some Ways to Visualize Radiation  
Cloud Chambers - Walt Thomas  
Radiographs - Chuck Vincent
- 2:30 BREAK
- 2:45 Impact of Fukushima on U.S. Nuclear Facilities – Terry Price
- 3:30 Radiation Monitors and How to Use Them – Chuck Vincent and workshop staff  
Hands-on activity
- 4:30 Summary & Evaluation  
“Coupons” collected  
Evaluations completed and collected  
Certificates of Attendance distributed  
Badges for Reception and Exhibit Distributed
- 5:15 Workshop Ends

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ANS thanks

### **Waste Management Symposia and WM 2013**

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