



National Human Radiobiology Tissue Repository

Stacey L. McComish, Associate in Research
s.mccomish@wsu.edu

College of Pharmacy, Washington State University
1845 Terminal Drive, Suite 201, Richland, WA 99354
www.ustur.wsu.edu

*“Learning from Plutonium
and Uranium Workers”*



THEMIS Electronic Inventory

Total Samples: 20,289

- USTUR Tissues
- USTUR Acids
- USTUR Histological Slides
- USTUR Planchets
- ANL Tissues
- Miscellaneous



USTUR Tissues (8,961)

- Inventory was completed in 2014
- Currently, we are inventorying new tissues as they are received
- 222 samples from 3 new donations since our last SAC meeting
- 2 samples from older cases
- USTUR tissues are mostly frozen (99%)

PARENT SAMPLES

This presentation excludes subsamples



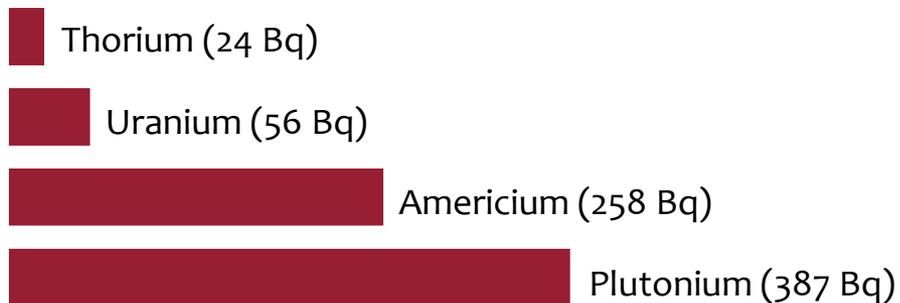
USTUR Acid Solutions (5,385)

- Inventory of USTUR acids completed!
- 1,764 Parent samples logged in since the last SAC meeting
- Moving onward: LANL population studies
- Re-sealing bottles and flasks



USTUR Planchets (380 batches)

- Excel: individual planchets (completed last year)
 - 3,967 planchets total
- THEMIS: batches
 - 380 batches logged in this year
- What is a batch?
 - Up to 8 planchets
 - Grouped together because they were run with the same blank.

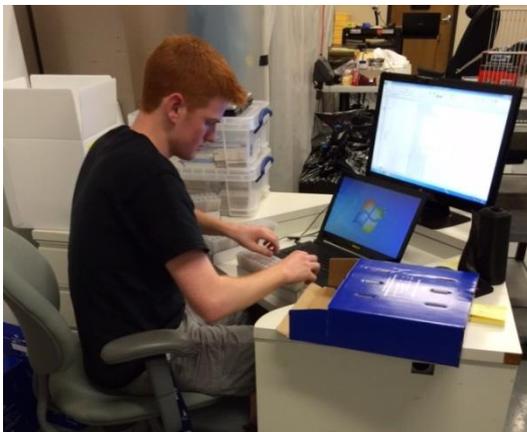


*Activity on all 3,967 planchets



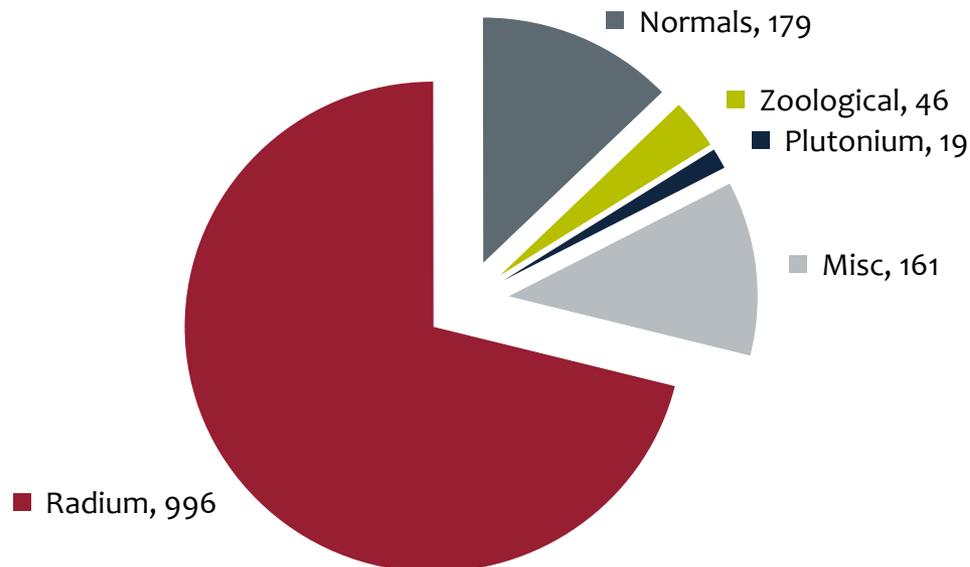
USTUR Histological Slides and Tissue Blocks

- Taken at autopsy by the pathologist
- Excel inventory completed
- Organized into slide mailers and cardboard containers
- THEMIS inventory completed:
 - 3,467 slides from 183 cases
 - Not inventorying blocks at this time

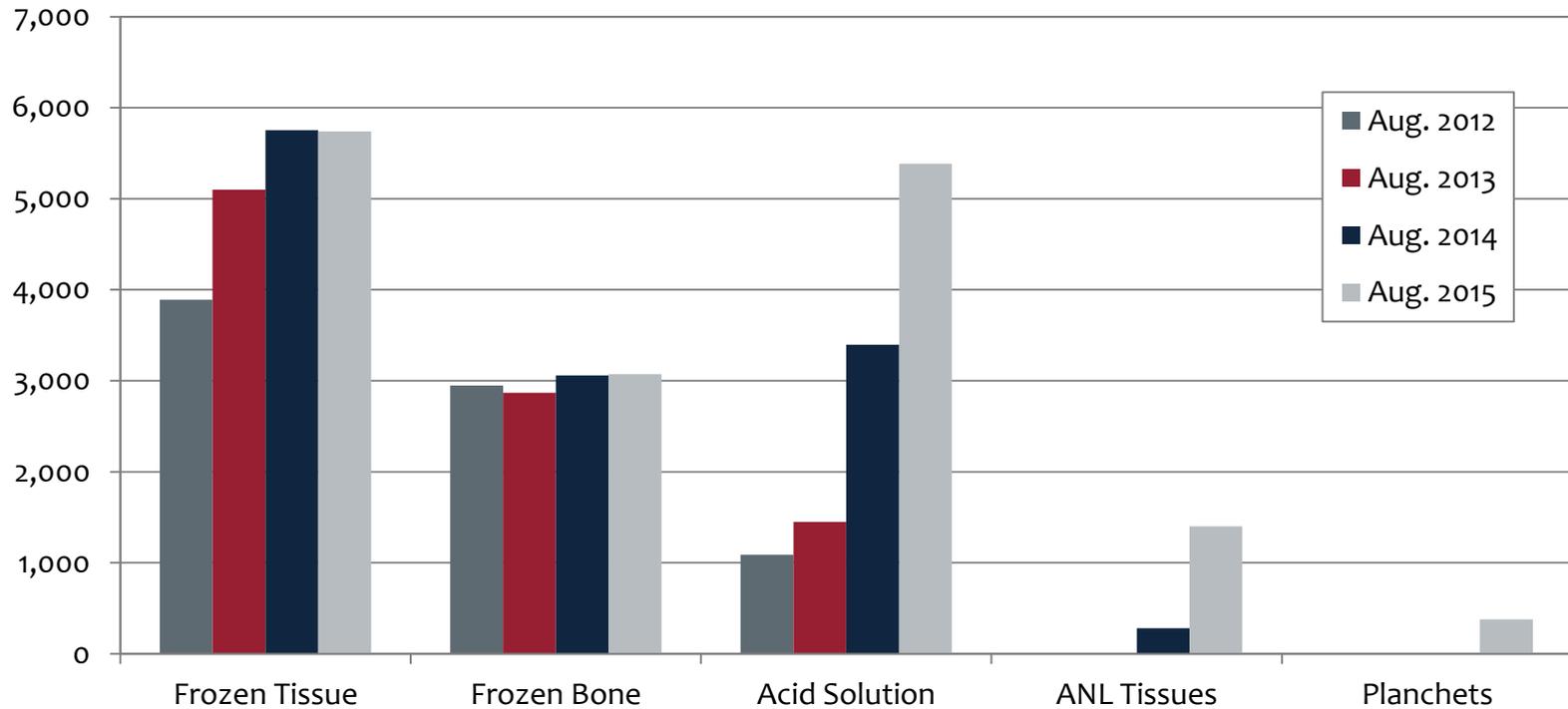


Argonne National Laboratory Tissues (1,401)

- Tissues received from ANL in 1992
 - Frozen, dried, plastic embedded, slides
- Primarily Radium Worker Studies: MIT, NJRRP, ANL
- Plutonium Injection Studies – Chicago (1), Rochester (4)
- Current work focuses on inventorying frozen samples



Big Picture: Data Trends



*Number of parent samples at the NHRTR

Accomplished by a team of hardworking students



Diana McGlynn
Acids



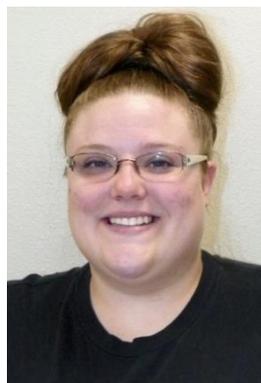
Colette de Vries
Acids/Tissues



Kathryn Banks
Tissues



Michael Funk
Planchets



Beth Gage
Acids



Ryan Ashley
Acids



Ryan Blake
Slides



Questions?