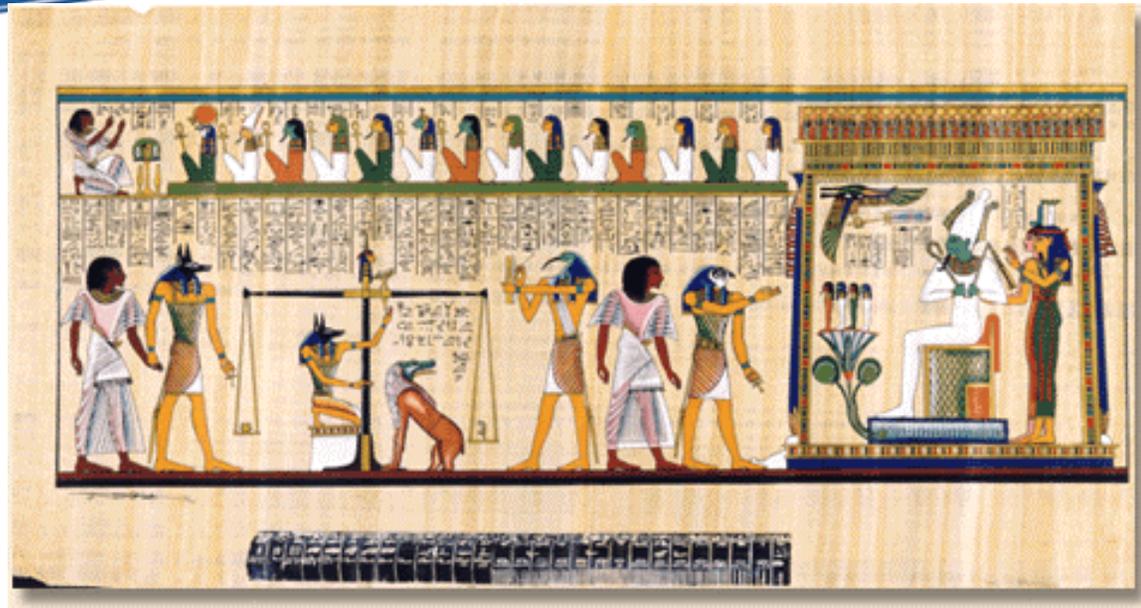


Welcome to the 4th meeting of the Airborne Radioactivity Monitoring Users Group

**Steven Judge
Andrea Woodman**

3000 BC



The "Royal Egyptian Cubit" was decreed to be equal to the length of the forearm ... of the Pharaoh or King ruling at that time.

Agenda

- Minutes and matters arising
- High Volume Particulate Sampling (Simon Jerome, NPL)
- Reducing avoidable deaths from radon in the UK (Brian Ahern, Radon Council)
- Good Practice Guide (Max Pottinger)
- Breakout Groups
- AOB
- Meeting of GPG Working Group or Lab Tours

Commercial reference sources

- www.isotrak.de
- www.analyticsinc.com
- www.ipl.isotopeproducts.com/new_ipl_site
- www.lea-cerca.com

Air monitor cards

- Isotrak only (as far as known)
- Anodised foils or sealed plastic
- Calibrated to ISO8769
- Customised to match equipment

Cartridges

- Mixed gamma emitters
- Homogeneously mixed with charcoal or zeolite
- Face loaded – sealed plastic foils

Simulated gas standards

- Low density foams, simulating a range of pressures (0.015gcm^{-3} to 0.20gcm^{-3})
- Available in many container types
- Isotrak, Analytics, IPL

Filter papers

- Anodized foil type
- Mylar membrane of various superficial densities (0.5, 0.85, 1.7 mgcm⁻²)

Mylar vs anodized foils

- www.analyticsinc.com/paper1.htm (and references therein)
- Real samples differ from reference materials – self-absorption, backing plates)
- The paper compares mylar coated sources to electroplated

Gas bottle standards

- Pressurised / unpressurised gas bottles
- Glass ampoules
- IPL/CERCA/Isotrak