

Click on a thumbnail picture below for a larger view and description



Aircraft Compass



Aktivlab kit



Radium Watch



Cloud Chamber Source



Exit Sign



Tritium light tube



Lantern Mantle



Check Sources



Lead pig



More check sources



Carbon-14 beta check



Calibration sources



Labeled packages



Meter with source



Gamma spec standards



Revigator/Revigator



Static gun



Alpha source



Uranium ore and others



Uranium radioassay kit



Mini lead pigs, xenon tube



Smoke detector



An aircraft compass with radium-painted hand and face. It no longer glows in the dark but is a strong gamma emitter.

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ActivLab kit with radioactive test vials

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A watch with radium-painted hands and numbers.

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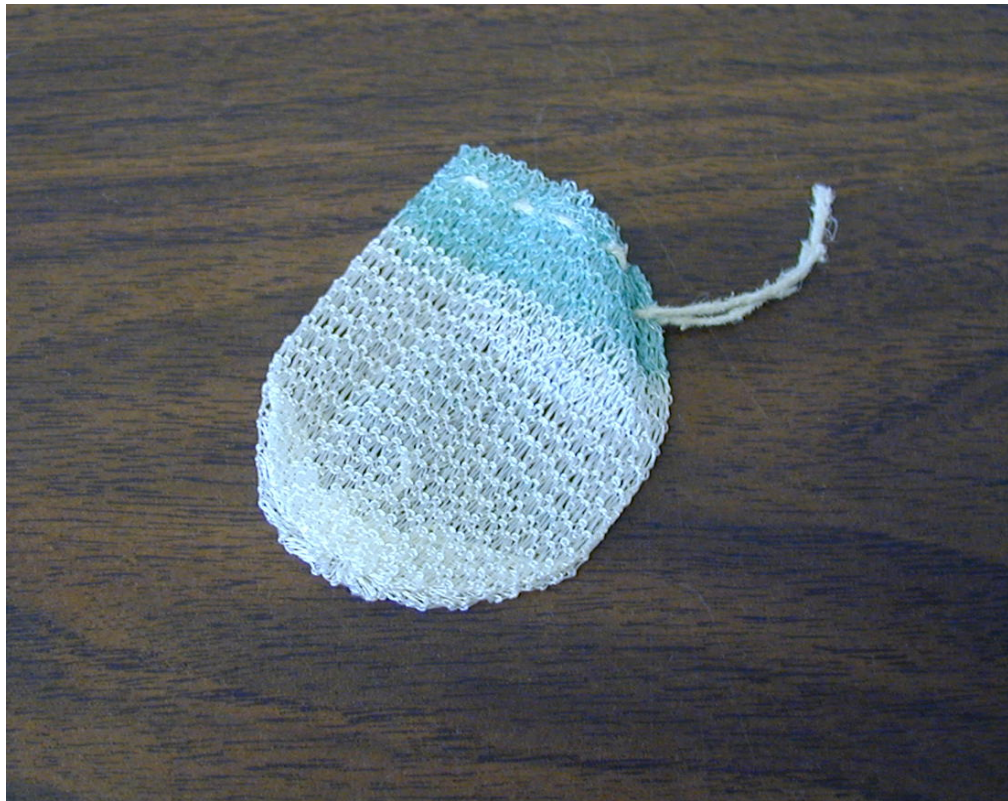
Lead-210 cloud chamber needle source.

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A self-luminous exit sign and a close up of a tritium-filled glass tube from such a sign.

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Thorium lantern mantles. The thorium makes a lantern's light burn whiter, and this makes a very nice alpha, beta, and gamma demonstration source. Not all lantern mantles contain thorium.

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Cesium-137 check sources are very common. Most are exempt from regulation as long as they are intact, accounted for, and properly labeled.

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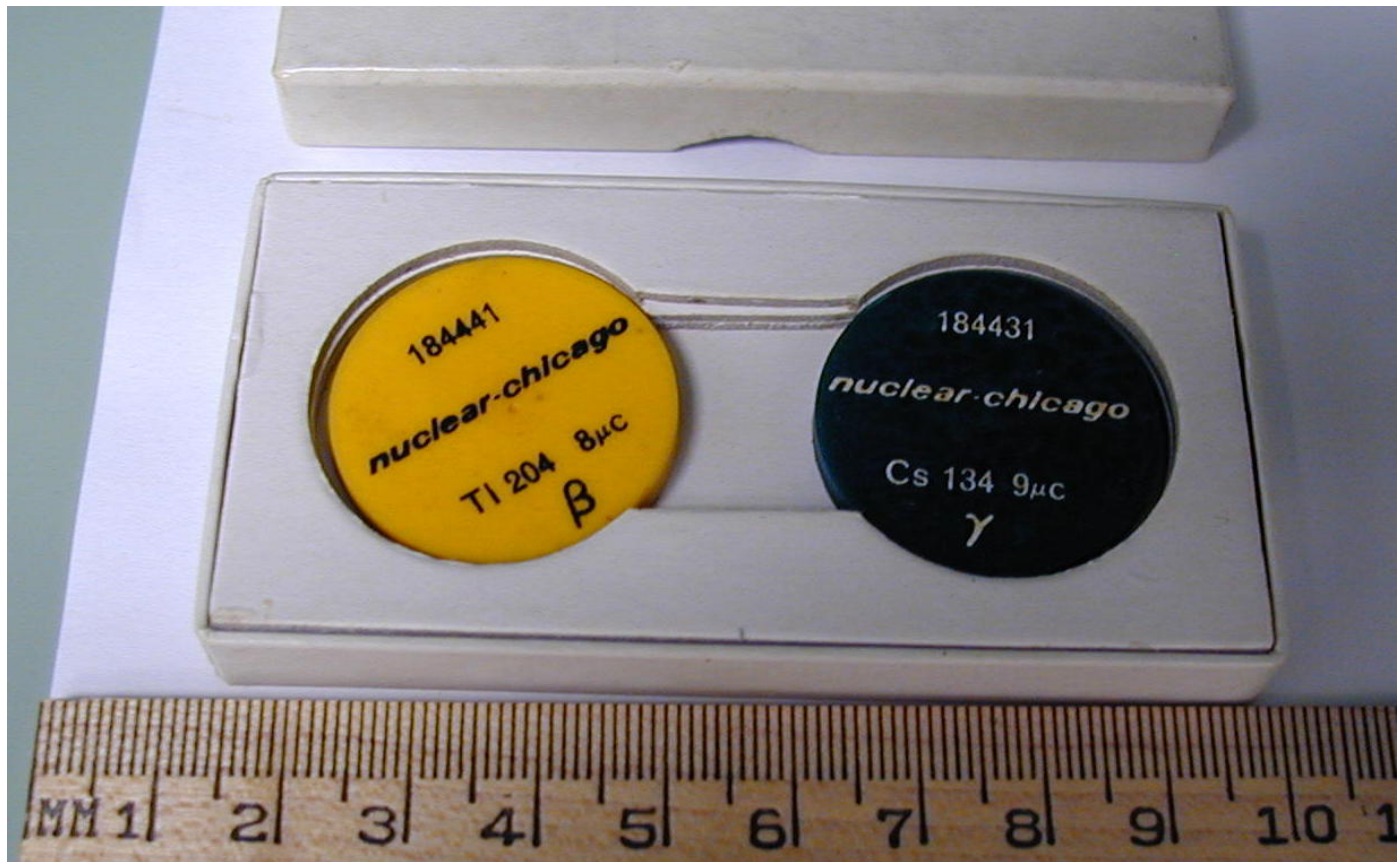


Inside a lead pig is a likely place to find a long



Inside a lead pig is a likely place to find a long-forgotten radioactive source!

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Beta (left) and gamma (right) check sources.

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From Retired E-PAC-4G B

C-14 CS-4A CHECK SOURCE ENCLOSED  
*CROSSWISE 315K*

The enclosed source reads approximately *45,000 cpm* ~~45,000 cpm~~ *-22K*  
 on the *E-PAC-4G* scale of .....  
 serial.....*338*.....

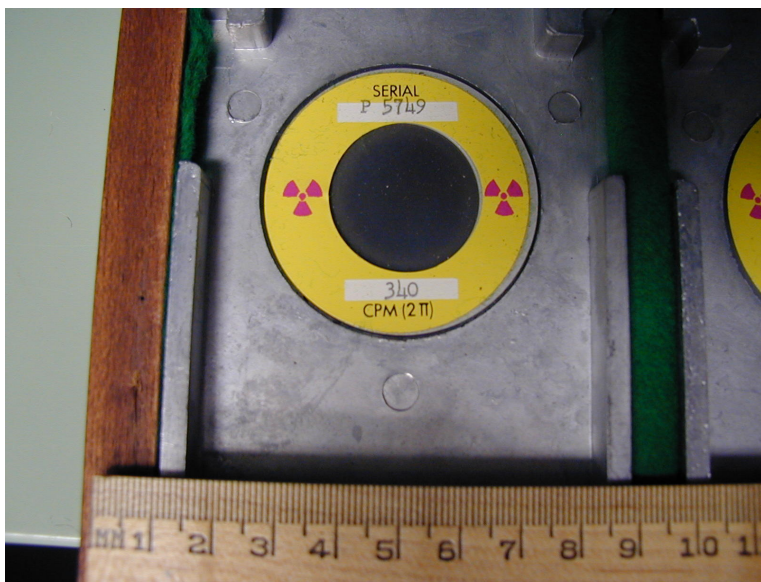
Due to variation in use and positioning of check sources  
 on detectors, each user may obtain a slightly different  
 reading.



C-14, a pure beta-emitter, is the radionuclide on this directional check source.

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Plutonium sources for calibration of alpha probes.

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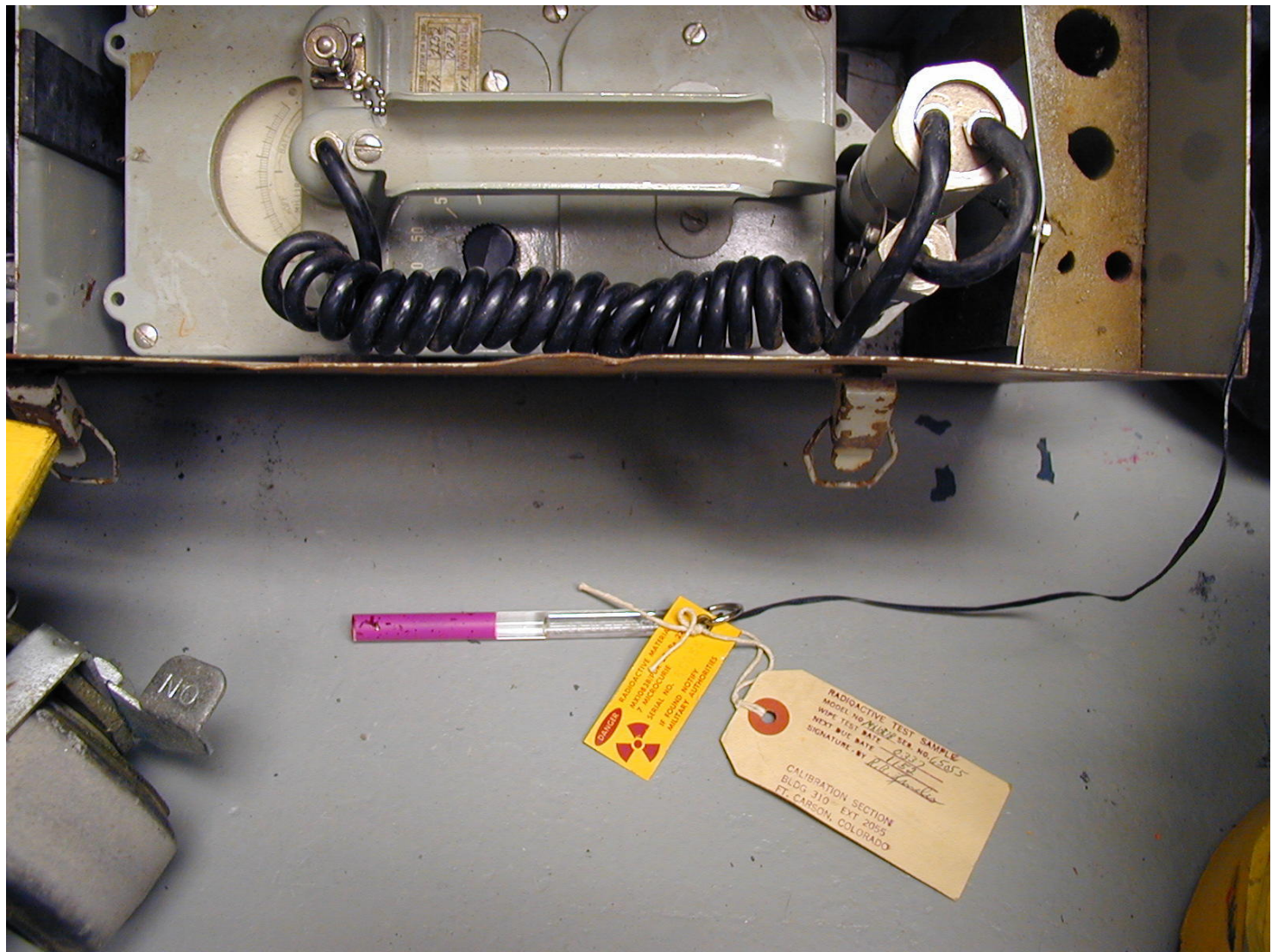
Labels such as these suggest a radioactive source is inside



Labels such as these suggest a radioactive source is inside.

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The pink cylinder is a 7 microcurie radium source



The pink cylinder is a 7 microcurie radium source. Radium is no longer used for gamma check sources due its radiotoxicity.

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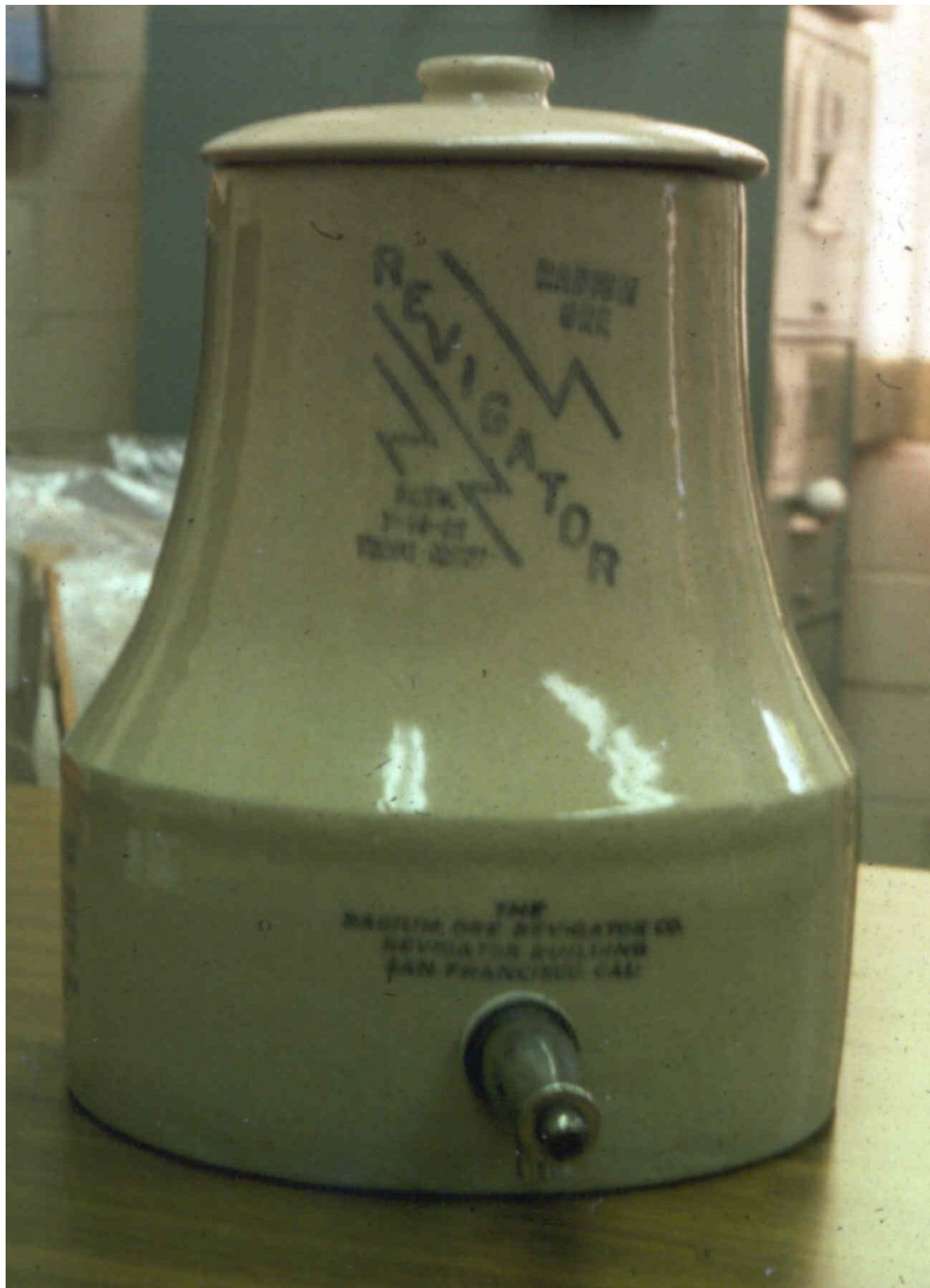
Gamma spectrometer standards kit with various nuclides



Gamma spectrometer standards kit with various nuclides.

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Revigators were sold to supposedly improve health by imparting radium or radon into the drinking water kept inside



Revigators were sold to supposedly improve health by imparting radium or radon into the drinking water kept inside. They contain either uranium or radium ore and emanate radon gas.

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A static gun, containing a tritium (H-3) source.

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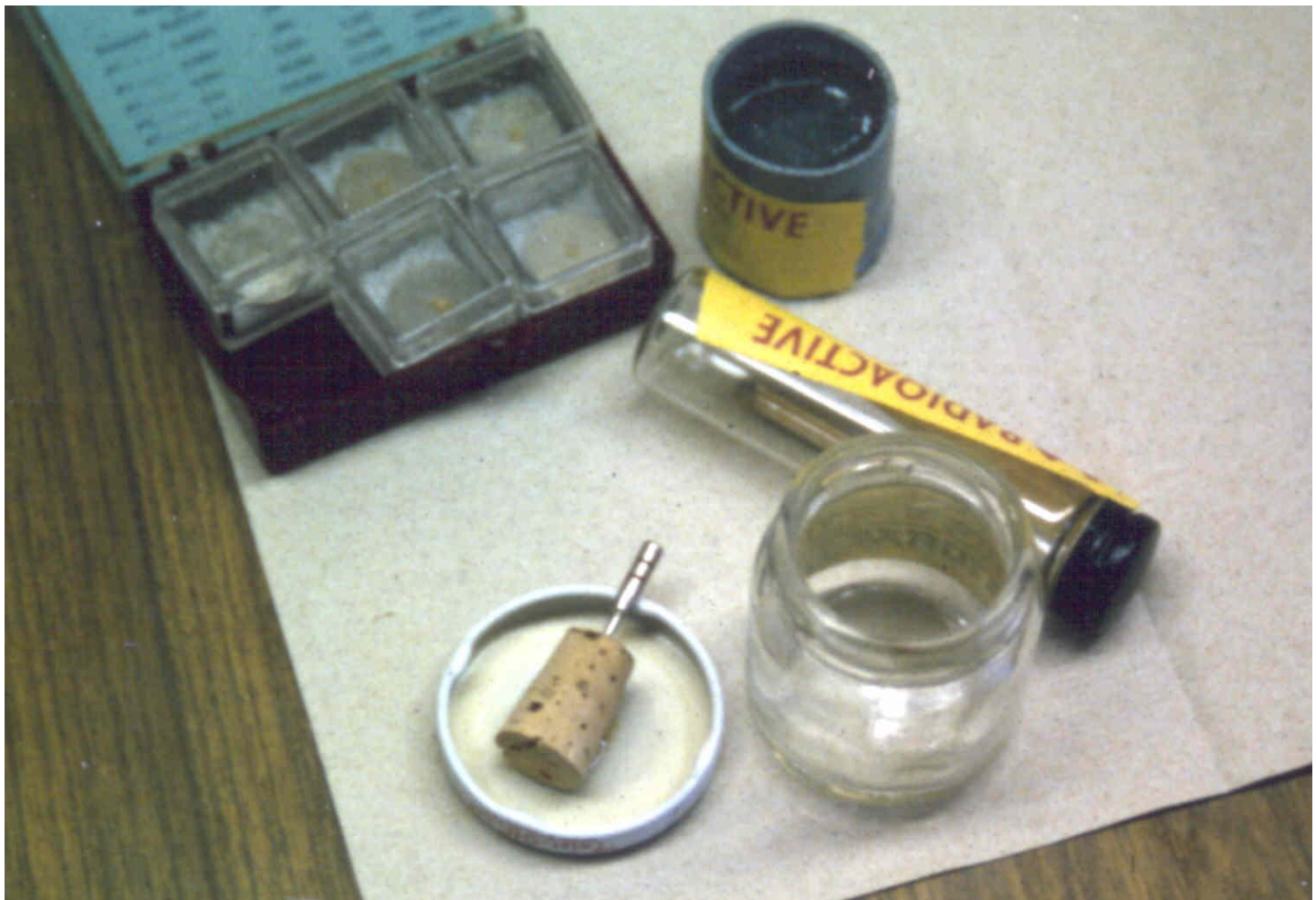


Thorium-230 is an alpha emitter, this source was used for calibration of alpha probes.

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Kits like the one in the upper left often contain various uranium and thorium ores for radioactivity demonstrations in classrooms



Kits like the one in the upper left often contain various uranium and thorium ores for radioactivity demonstrations in classrooms. Other odd sources are shown that may be found in educational settings.

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A kit containing uranium ore materials, such as this one, may be found in educational settings from past science demonstrations.

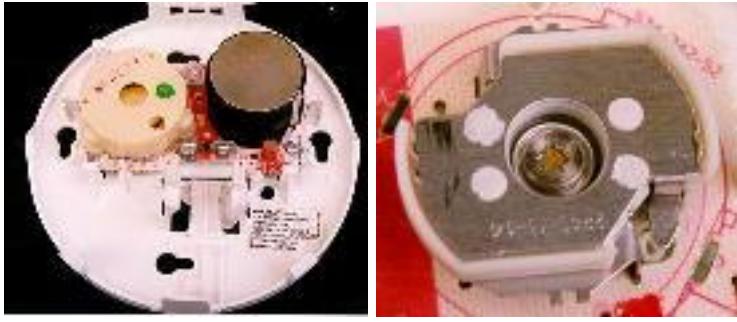
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Small, unlabeled lead pigs may contain fragile or highly radioactive sources. The glass tube shown contains a gaseous radionuclide, xenon-133.

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Smoke detectors contain americium-241 sources, that are most often exempt from regulation UNLESS they are removed from the detector housing. Old industrial smoke detectors may contain radium sources, none of which are exempt.

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