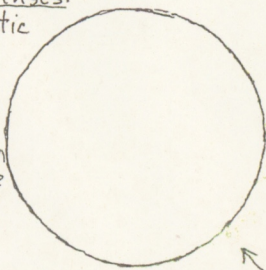


Glass Vacuum Bottle
 could add visuals - increase
 alpha energy - contain Radon
 if we use Ra - could be cloud
 chamber.
Containing Apparatus

zinc sulfide?

Scintillation lenses.
 glass or plastic
 doped with
 an organic
 or inorganic
 phosphor
 (such as sodium
 iodine) to give
 visible light
 events.



Detector
 photo multiplier

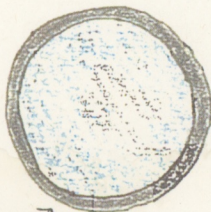
Scintillator

$43Tc^{99}$
 Test foil



commercially
 available target
 test foil.
 (used in reactor
 calibration and
 experiments)

Technetium target



Neutron source

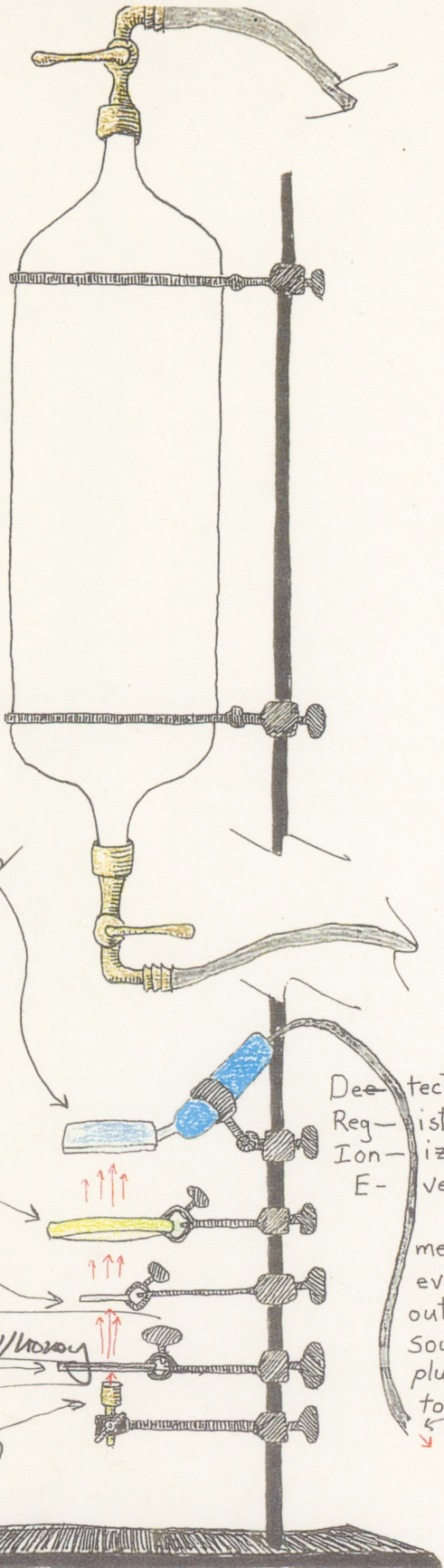
$4Be^9$
 thin foil



alpha source

$95Am^{241}$
 $88Ra^{226}$

from smoke detector
 or
 from antique clock dial



Detector
 Registered
 Ionizing
 Events

measured
 events
 out as
 source
 pulses
 to use.

13 May 1999 April