



University of Pittsburgh

A Look at Nuclear Science and Technology

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Radiation and Modern Life

8.5 Harnessing Radiation

From Dr. Alan Waltar Lectures at the World Nuclear
University – Used with permission





This material includes excerpts from a presentation by Alan Waltar at the World Nuclear University in 2012-2103.

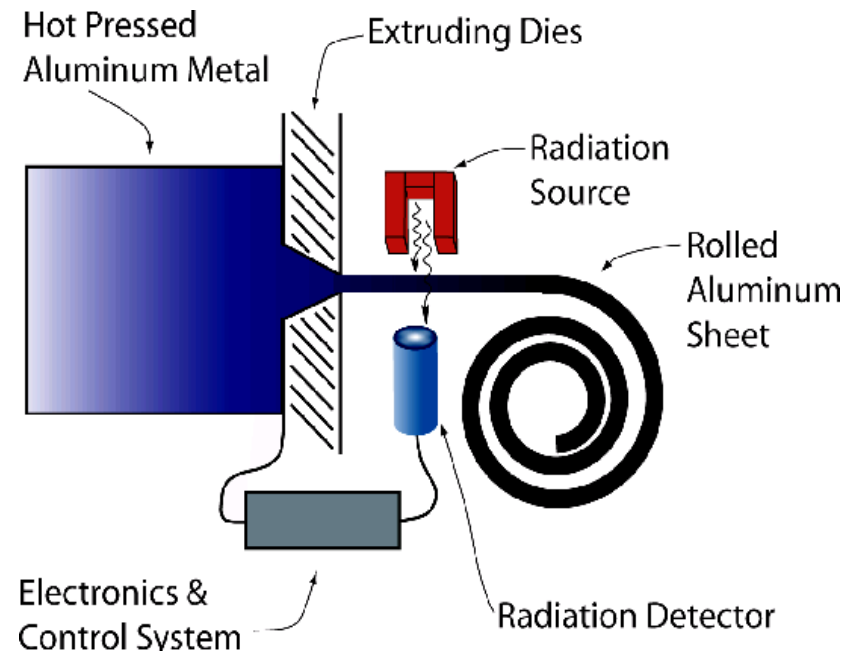
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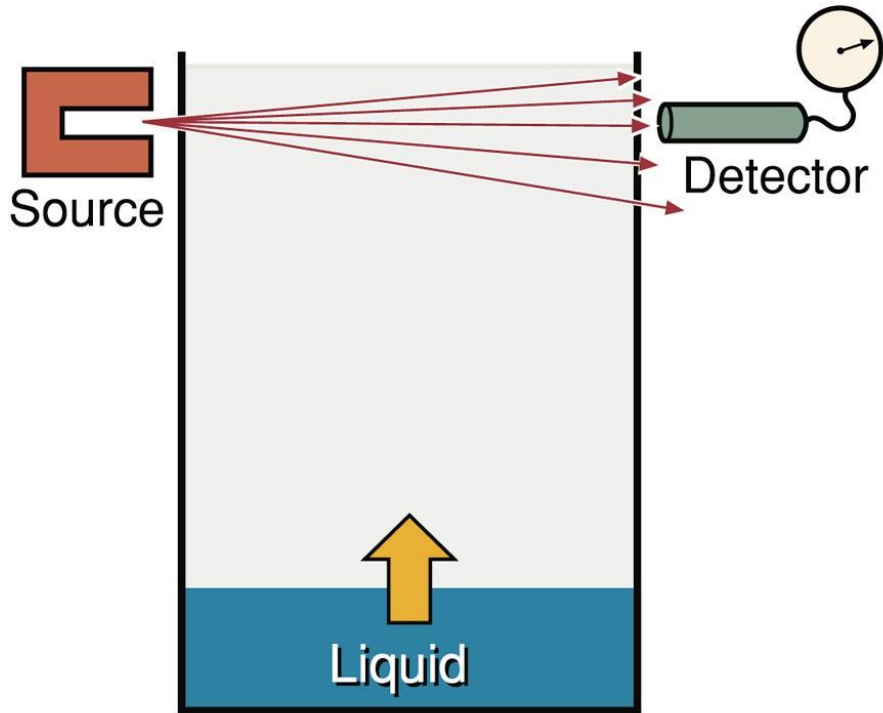
NOTE: Dr. Waltar is the author of the book, *RADIATION AND MODERN LIFE: Fulfilling Marie Curie's Dream*, Prometheus Books, 2005

Harnessing Radiation

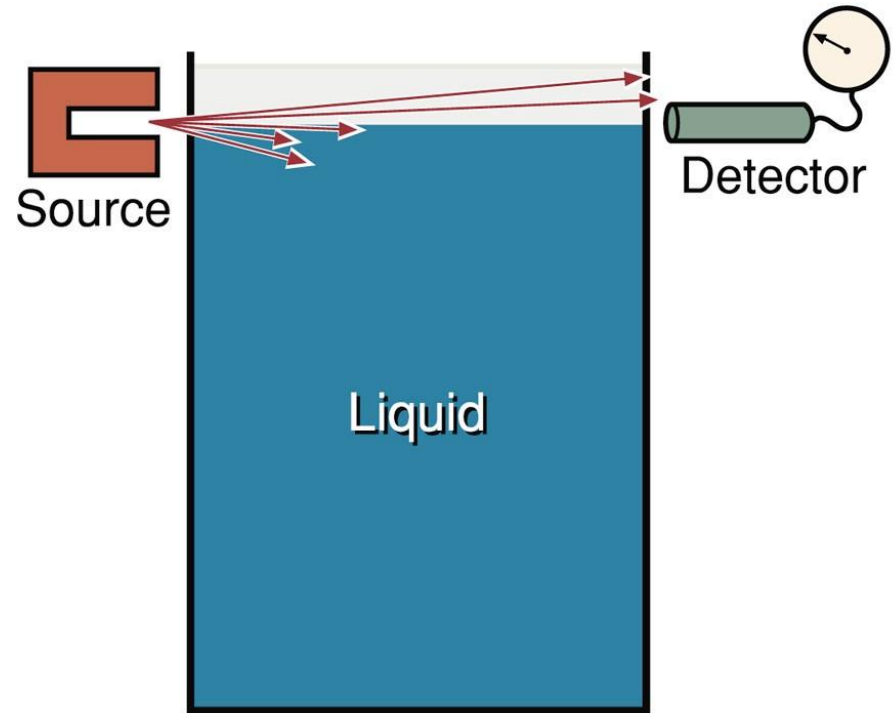
1. Material Penetration

- Degree of beam attenuation determines thickness of material
- Metal foil and paper manufactured by this process





(A) Liquid Level Low



(B) Liquid Level Reaches “Line of Sight”

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