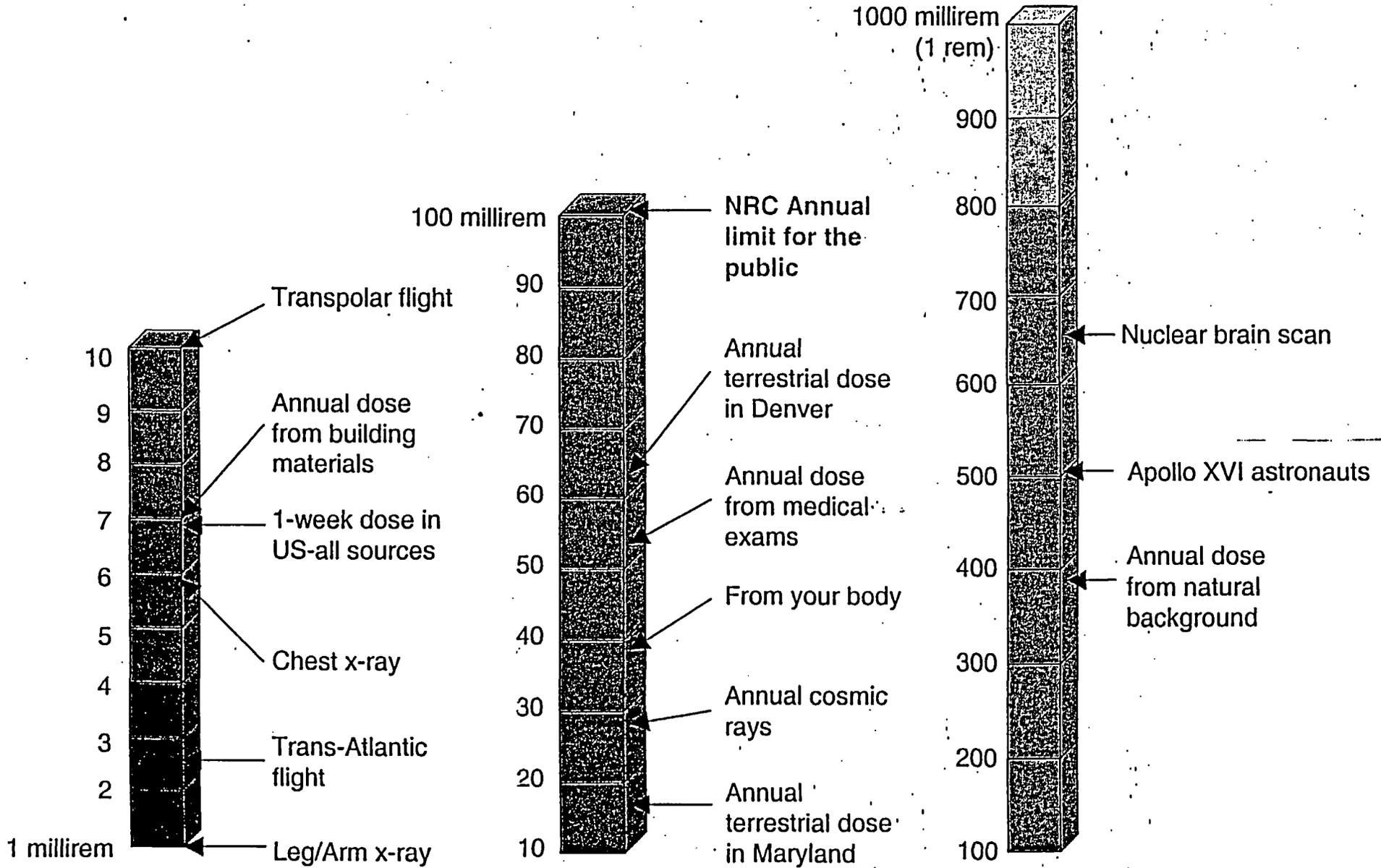


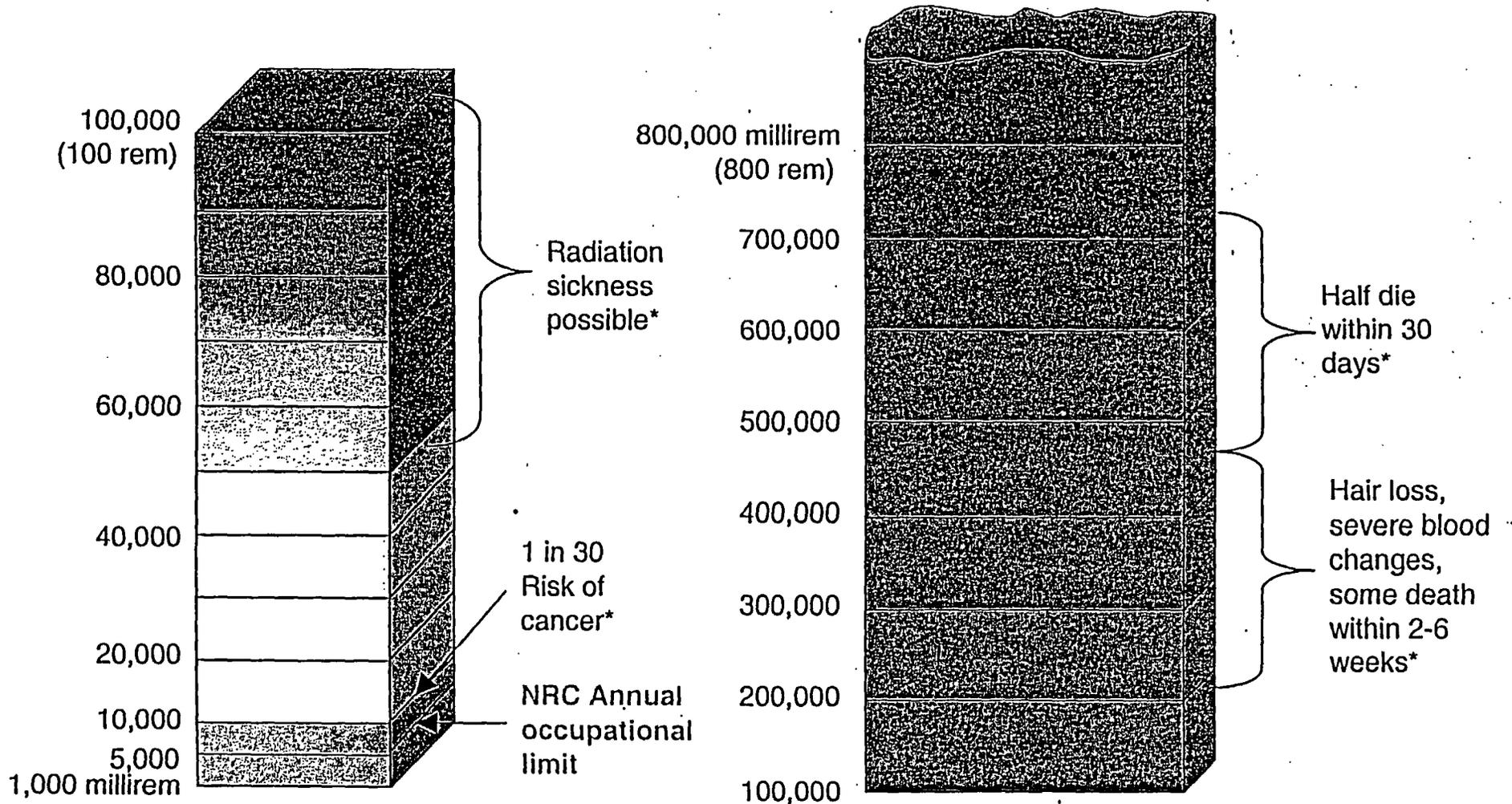
RADIATION DOSES IN PERSPECTIVE

(adapted from USNRC, Office of Public Affairs Fact Sheet, "Biological Effects of Radiation", Dec. 2000)



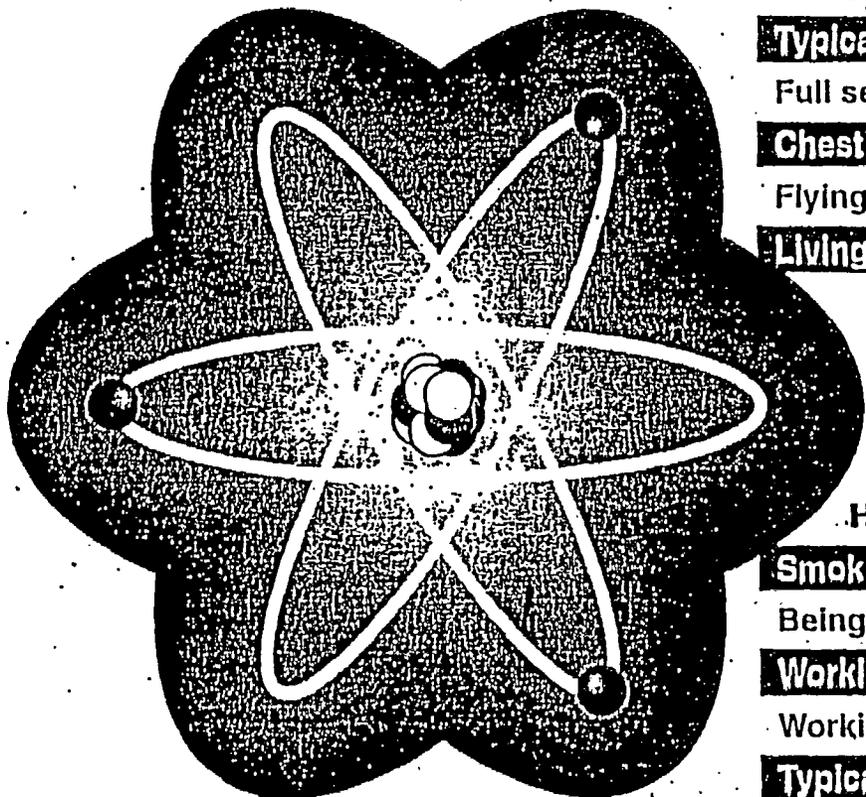
RADIATION DOSES IN PERSPECTIVE

(adapted from USNRC, Office of Public Affairs Fact Sheet, "Biological Effects of Radiation", Dec. 2000)



* Doses received over a short time period (hours to days) at high dose rates are "acute" doses

MEASURING RADIATION'S EFFECTS

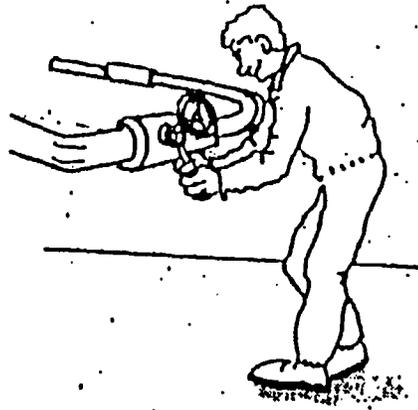


Activity	Millirems
Typical yearly dose, all sources	360.00
Full set of dental X-rays	40.00
Chest X-ray	8.00
Flying round-trip from D.C. to Los Angeles	5.00
Living outside nuclear power plant for a year	0.10

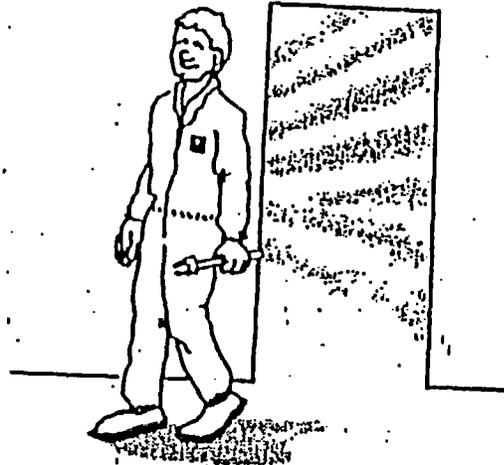


Health risk	Expected life lost
Smoking a pack of cigarettes a day	6 years
Being 15 percent overweight	2 years
Working in construction	227 days
Working in nuclear plant (1,000 mrem/yr)	51 days
Typical annual background radiation dose (360 mrem/yr)	18 days

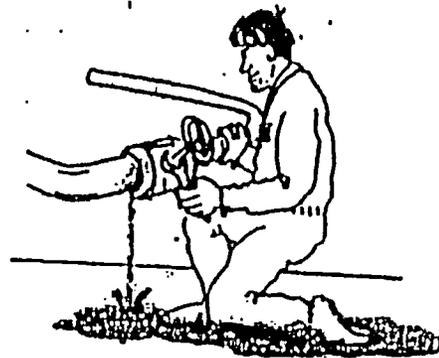
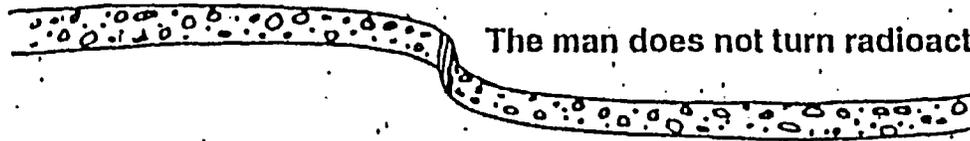
Despite the theoretical risk factors, radiation studies for almost a century and follow-up studies of hundreds of thousands of occupationally exposed workers have not revealed any adverse health effect caused by normal exposure to artificial radiation. Dose limits applied to the public are only a small fraction of those for radiation workers.



Radiation from a sealed source



The man does not turn radioactive.



**Radioactive substances have
escaped to the room.**



**The man carries contamination
with him.**