DECAY OF RADIATION

RULE-OF-THUMB

Intensity is divided by 10 as Time is multiplied by 7

RADIATION INTENSITY

10,000 r/hr

1000 r/hr

100 r/hr

10 r/hr

1 r/hr

.1 r/hr

TIME AFTER DETONATION

I hour after detonation

7 hours later

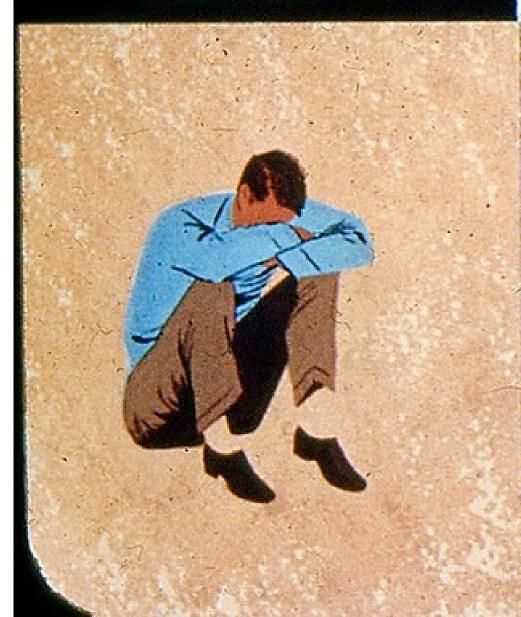
49 (2 days later)

343 (14 days-2 wks.)

2401 (100 days-14 wks.)

16,708 (700 days-2 yr.)

200 ROENTGENS SICKNESS

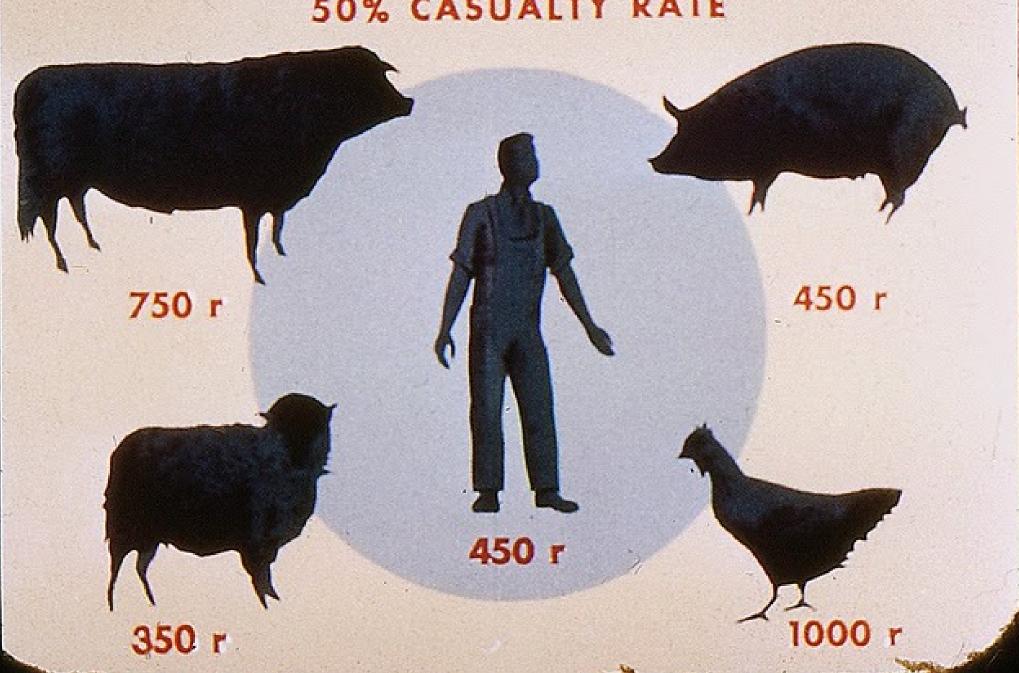


600 ROENTGENS FATAL

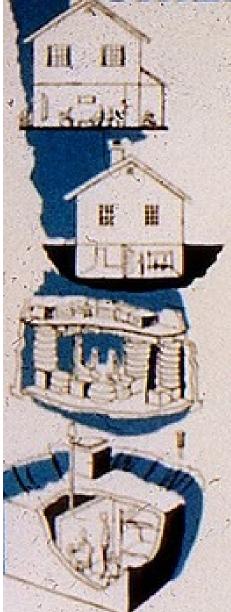


LETHAL DOSE

50% CASUALTY RATE



SHIELDING FROM STRUCTURES



FIRST FLOOR OF HOUSE

reduces hazard to ...

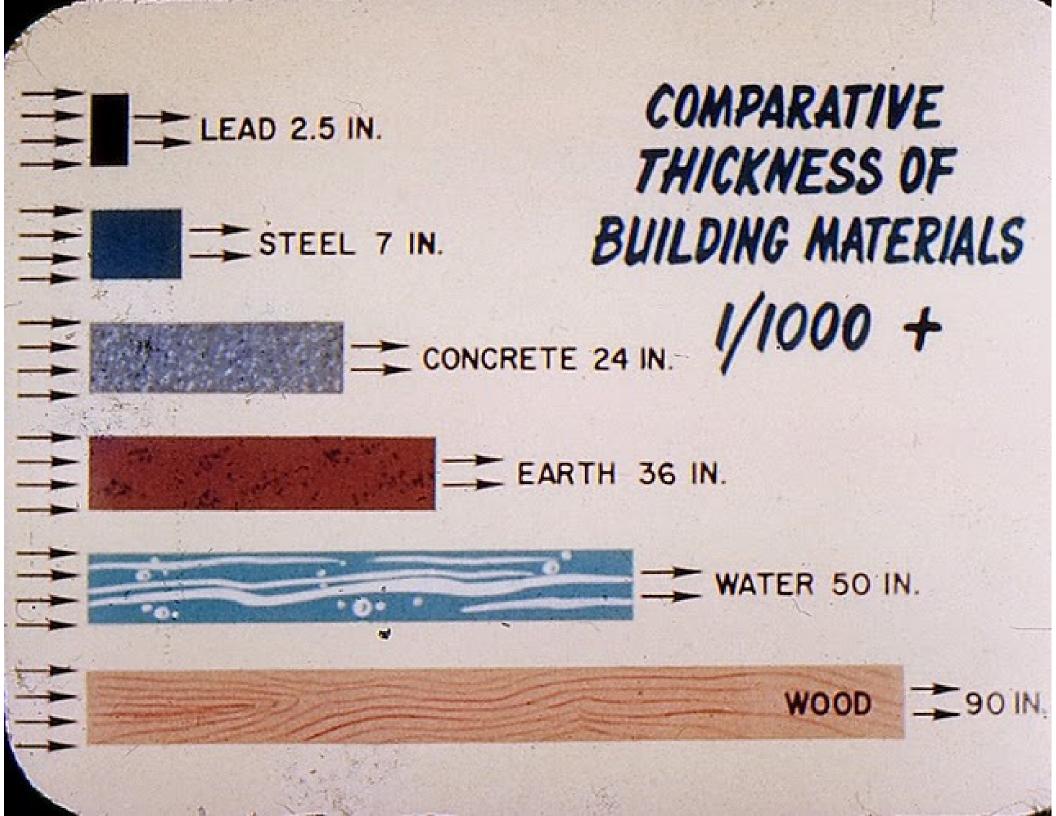
BASEMENT OF HOUSE

reduces hazard to ... 10

IMPROVISED BASEMENT REFUGE 1/100
reduces hazard to... 100

NDERGROUND FALLOUT SHELTER

reduces hazard to...



20-MEGATON WEAPON

30 m.p.h. Wind (Average)
290 Miles from Detonation
Arrives at H + 8--55r/hr
ACCUMULATED DOSES

| Type Protection | 1 Day | 2 Weeks | Through 6 Months* |
|------------------|-------|---------|-------------------|
| Outside | 440 | 1200 | 1600 |
| Inside House 1/2 | 220 | 600 | 880* |
| Basement 1/10 | 44 | 120 | 290* |
| Shelter 1/100 | 4 | 12 | 140* |

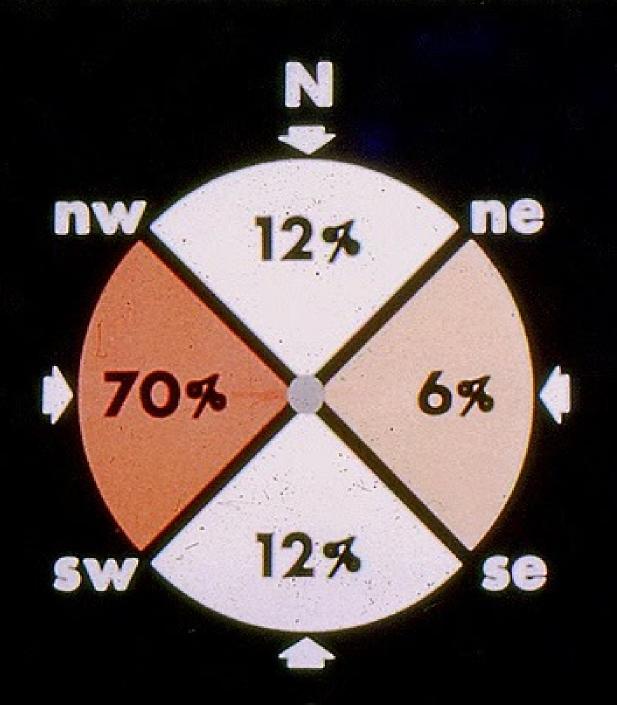
After 2 weeks assuming 1/3 time outside and 2/3 time inside

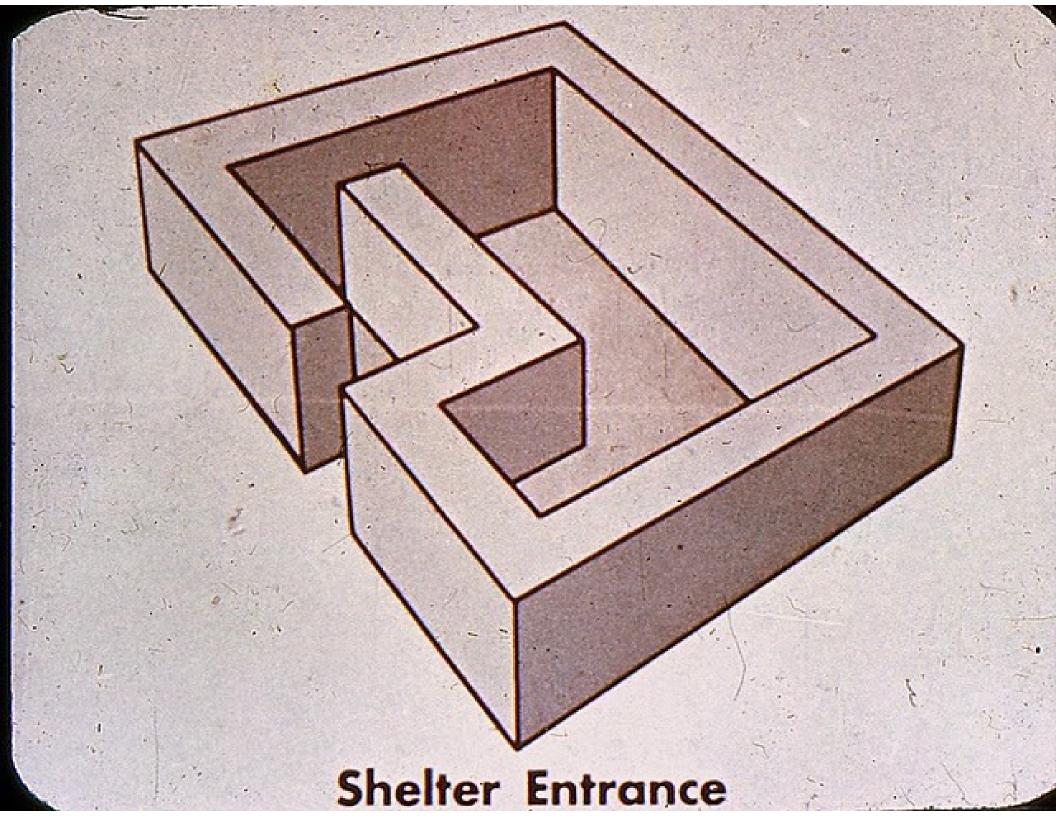






WIND DIRECTION PROBABILITIES





SURVIVAL = 2 WEEKS ON YOUR OWN

