

AEROSOL STUDIES IN MAN AND DOG

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Comparative studies on the deposition of various "carrier" aerosols in human and canine subjects are continuing. Seventeen studies on seven human subjects with a NaCl aerosol (CMD 540 Å  $\sigma_g$  2.25) resulted in 63.4% mass deposition (95% confidence limit for mean, 57-69%). In five studies on two dogs, the mass deposition values and the role of various physiologic factors appear to be quite similar. Two experiments wherein the sodium chloride was aerosolized as a carrier for polonium<sup>210</sup> have been completed. Plans are being completed for the exposure of dogs to plutonium aerosols.

*Handwritten notes:*  
7 males  
5 females  
2 dogs

*Handwritten notes:*  
7 males  
(11)  
5 females  
(5)  
2 dogs

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