
A. C. Graves
E. F. Plank

Agral 8, 1952


1. With any signipionnt emount of

Whe chot, Cperation ITy. 디툴

Is expected to produce al
relative to goma refietions rith evarcies above
The major source of thic arft raliation ariaes from the $\mathcal{U}^{239}$ formed by the eapture of a seatron by $U^{233}$. The arfect of reletively lerge mounts is aveb radiation is to
 operating under a limited pereonnel rabistion exposize. Fore example, it hes boen entimated that the axupia aize will be decreabed by a factor of ifm- if the nive shet yield is thin comparea with the eurgule ale obtulnable fram a pure flesion bowb with a yicla.
2. Forturetely, it is pousible to attenusto grestly the intenalty of att
 proportion of art radiation fis the kike mot requires about five haif-thiokpesces of chiclatice to reduce the total flux Winin the aircrart to a level comparable vith a fiasion boub or the tame onergy. If ope ancuat that the
 ouly forr haif-thicknesees are nequired.
3. In the energy range of exmeern lead ean be asauped to have on average hale-thichness of about 0.2 ga/cm ${ }^{2}$. Iough calculations ladionto that it ohoula be poesible to design $\mathbf{5 1 1 g h t}$ elothing Wich vill affard a four or five
A. G. Eneves

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4. Al flat eonceived, it wat throught that Corelopment of the Cosirel al thing pould be acomplichel to acoperative yrogran vithin this






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ce: Ency Nlim
002. 8. 8. Erepins


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