

Interdepartmental letterhead

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July 5, 1984

TO: Frederick T. Hatch, Chairman Human Subjects Committee

FROM: Paul Meyer

SUBJECT: Renewal of Human Subjects Approval 80P-109-02

The purpose of the work proposed is to measure the rate of uptake and elimination of nitrogen and argon in the body of normal, healthy humans. Experiments will involve breathing of ^{13}N and ^{41}Ar labelled air for up to two hours at an initial specific activity of up to $21 \mu\text{Ci}$ per liter of ^{13}N and $24 \mu\text{Ci}$ per liter of ^{41}Ar . P. K. Weathersby, CDR, MSC, USN, is the principal investigator and E. T. Flynn, Jr., Capt., MC, USN and myself are associate investigators. All test subjects will be Navy personnel volunteers. The protocol for the proposed experiments is identical to that followed in 1982 and an Operating Safety Procedure renewal is presently being processed by Hazards Control. Calculated radiation exposures are as indicated in an enclosed clinical record of a 1982 test subject. Experiments are scheduled for September 1984 and funding is provided by the Naval Medical Research Institute in Bethesda, MD. I would appreciate your written approval before September of this year.

PM/pld 0595m/0038m

Encl.: Background material: Navy Publication
OSP No. 194.27, expired 4/20/83
clinical record of 1982 test subject

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HUMAN RESEARCH NAVY/DECOM.P.

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