

PROJECT TITLE: Tracer gas Kinetic Studies for Decompression Table Design II.

PRINCIPAL INVESTIGATOR: Weathersby, P.K., LCDR, MSC, USN

ASSOCIATE INVESTIGATOR: Homer, L.D., Flynn, E.T., CAPT, MC, USN, Meyer, P.

I do hereby give my consent to serve as a test subject in a joint Naval Medical Research Institute - Lawrence Livermore Laboratory study. The study will involve my twice breathing a mixture of oxygen and radioactive nitrogen, argon, and/or krypton while sitting in front of a radiation detection device. I understand that the study is designed to measure how fast inert gas enters and leaves parts of the human body. This information is needed to develop safer diver decompression schedules. I also understand that this study will provide no direct benefit to me.

I have been informed that this study is voluntary and that I may withdraw from it at any time. My questions have been answered and I know that the investigators will answer any other questions I may have.

I have been informed that the only discomfort that I should expect will follow from up to 2 hours of breathing through a mouthpiece and of remaining very still. I understand that there is a small risk of breathing a chemically harmful gas such as ozone or nitrogen dioxide. I also understand that I will receive a radiation dose from the study. I have been informed that this dose is within the ranges used in medical procedures and less than the dose currently allowed by law for people who work with radioactive materials. I have been told that there is still a very small risk of disease such as cancer or leukemia from this amount of radiation.

I have been told that the study will adhere to the intent of the Privacy Act.

DATE \_\_\_\_\_ SIGNED \_\_\_\_\_

\_\_\_\_\_  
(TYPED NAME, RANK, RATE OR GRADE)

DATE \_\_\_\_\_ WITNESSED \_\_\_\_\_  
(NOT DIRECTLY INVOLVED IN PROJECT)

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(TYPED NAME, RANK, RATE OR GRADE)