

ARM1.950301.002

REPLY TO  
ATTENTION OF

SGRD-RCQ

**DEPARTMENT OF THE ARMY**  
U.S. ARMY MEDICAL RESEARCH AND DEVELOPMENT COMMAND  
FORT DETRICK, FREDERICK, MD. 21701-5012

2



28 February 1994

MEMORANDUM FOR DASG-RDZ, MAJ BURKE

SUBJECT: Monthly Radiation Records Search Report, Part I

1. Total Number of Experiments Identified To Date: 30
2. Title(s) of Identified Experiments:
  - (1) A Clinical Study of the Efficacy of Low Dose Dopamine Therapy in Hospitalized Burn Patients.
  - (2) Blood volume expansion and hypohydration.
  - (3) Interaction of aerobic fitness and the hypohydration response during exercise-heat stress.
  - (4) The role of thermal factors for metabolic adaptations to physical training.
  - (5) Interaction of hydration and metabolic intensity on thermoregulatory responses during exercise-heat stress.
  - (6) Hyperhydration with a glycerol solution: Effects on fluid and electrolyte balance during rest and cold/exercise exposure.
  - (7) Effects of autologous erythrocyte infusion in sea-level residents rapidly transported to high altitude.
  - (8) A study of blood volume in soldiers sustaining injury and requiring transfusion.
  - (9) A study of the kinetics of radioiodide distribution.
  - (10) A study of blood loss during excision of third degree burns.
  - (11) A study of methods for measuring blood loss during surgery.
  - (12) A study of postinjury hemodynamics in burned patients.
  - (13) A study of the efficacy of buffered saline in replacing blood volume after measured blood loss in normal volunteers.
  - (14) A study of the effects of salt ingestion during intense physical conditioning in a hot climate.

SGRD-RCQ

SUBJECT: Weekly Radiation Records Search Report

- (15) A study of the applicability of Xenon scan in the diagnosis of inhalation injury.
- (16) A study of salt and water balance and hormonal responses following burn injury.
- (17) Thyroid activity in men exposed to cold
- (18) Prediction of tissue loss in human frostbite with xenon-133.
- (19) Contract DA18-108-AMC-193(A), Cardiovascular assessment kit
- (20) Contract DAAA15-69-C-0295, Clinical Pharmacology of Prophylactic and/or therapeutic compounds in volunteer subjects.
- (21) The fate of atropine in man.
- (22) Untitled, Chemical Corps memo, Excretion rates of atropine.
- (23) Contract DA18-108-405-CML-215, Nature of intradermal barrier to skin penetration.
- (24) Contract DA18-035-AMC-126(A) Threshold doses in humans.
- (25) Measurement of central action of psychotropic agents by pupillometry.
- (26) Gamma ray activity of reactor personnel as determined by the Walter Reed whole Body counting facility.
- (27) The turnover of radioelements in clinical medicine.
- (28) Quantitative cerebral blood flow determination.
- (29) Untitled, Annual progress report, Xenon<sup>133</sup> and Krypton<sup>85</sup>.
- (30) The determination of internally deposited radioactive isotope in the Marshallese people by excretion analysis.

3. Types of Records:

- a. Type: Reports/protocols/publications
- b. Location: USAISR, San Antonio, TX  
USARIEM, Natick, MA  
WRAIR, Washington, DC  
USAICD, APG, MD  
Edgewood Area Records Holding Area, APG, MD

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SUBJECT: Weekly Radiation Records Search Report

4. Part II, Experiment specific information will be provided on 1 Mar 94.
5. This monthly report is not a complete report for predecessor units. Records searches are still underway.
6. POC for this action is the undersigned at 301-619-2165.



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MAJ, MS  
Chief, Human Use Review and  
Regulatory Affairs Division

CF: USAMRDC, SGRD-SGS