

All
✓ Experimentation
✓ M3

DEPARTMENT OF THE NAVY
Office of the Secretary
Washington

All
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7 - APR 1954

From: Secretary of the Navy
To: Commander, U. S. Naval Air Development Center
(Johnsville, Pennsylvania)

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Subj: Project NM 001 090.04; "The Effects of Heat and Cold on Living Mammalian Tissues"; request for permission to use (human subjects) in connection with

Ref: (a) NADC ltr NA-2 Ser 2664 of 18 Mar 1954

1. Authorization to conduct experimental studies of a medical nature involving human subjects as specified in reference (a) is hereby granted.
2. This does not constitute authorization to pay volunteers for these studies incentive pay for the performance of extra-hazardous duties.

4 664

J. H. SMITH, Jr.
Assistant Secretary of the Navy for AIG

Copy to:
Chief of Naval Personnel
Chief, Bureau of Medicine & Surgery

Records EXOS (2) < 3 < 3
Prepared by:
Cdr. H. F. Fischer, Jr. USN (Pers-A111)
Rm 2056 Arl Annex
Ext. 41475
4/1/54

RETURNED TO ORIGINATOR FOR
MAILING THIS DATE 4-8
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OFFICIAL FILE
SEC - NAV

CLEARED TRACER DESK
Date 7-8 APR 1954 *hit*

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SECOND ENDORSEMENT on NADC ltr NA-2 Ser 2664 of 18 Mar 1954

16 APR 1954

From: Chief of Naval Personnel

To: Secretary of the Navy

Subj: Project NM OOL 090.04; "The Effects of Heat and Cold on Living Mammalian Tissues"; request for permission to use human subjects in connection with

1. Forwarding, recommending approval.
2. There is no authority under existing law to pay volunteers for these experiments incentive pay for the performance of extra-hazardous duties.

H. E. ARNOLD
Secretary of the Navy

Copy to:
NADC, Johnsville, Pa.
BUMED

BUMED-714
All/L5-2

FIRST ENDORSEMENT on NADC ltr MA-2 Ser 2664 of 18 Mar 1954

From: Chief, Bureau of Medicine and Surgery
To: Secretary of the Navy
Via: Chief of Naval Personnel

Subj: The Use of Human Subjects for Study NM 001 090.04, titled "The Effects of Heat and Cold on Living Mammalian Tissues;" request for permission

1. Forwarded re-addressed recommending approval.
2. The Chief of the Bureau of Medicine and Surgery is of the opinion that no harmful effects will result from the prosecution of the experimental design outlined in the basic correspondence.

v. DANA
Assistant Chief for Research and
Medical Military Specialties

Copy to:
CO NADC, Johnsville, Pa.

Office Memorandum • UNITED STATES GOVERNMENT

TO : Secretary of the Navy

DATE: 6 APR 1954

FROM : Chief of Naval Personnel

SUBJECT: Project NM 001 090.04; "The Effects of Heat and Cold on Living Mammalian Tissues"; request for permission to use human subjects in connection with

1. The Commander, U. S. Naval Air Development Center, Johnsville, Pennsylvania requests authority to utilize human subjects in the conduct of experiments of a medical nature to investigate the relationship between skin pain and cutaneous tissue damage induced by thermal and ultraviolet radiation.
2. The Chief, Bureau of Medicine and Surgery states that, in his opinion, no harmful effects will result to human subjects in connection with these experiments.
3. A letter has been prepared for your signature approving this request and stating that no extra-hazardous duty pay is authorized for the projected experiments.

Very respectfully,



M. E. ARNOLD
Deputy Chief of Naval Personnel

Signature recommended



X-214

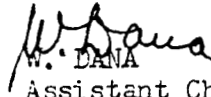
BUMED-714
All/L5-2
MAR 1954

FIRST ENDORSEMENT on NADC ltr MA-2 Ser 2664 of 18 Mar 1954

From: Chief, Bureau of Medicine and Surgery
To: Secretary of the Navy
Via: Chief of Naval Personnel

Subj: The Use of Human Subjects for Study NM 001 090.04, titled "The Effects of Heat and Cold on Living Mammalian Tissues;" request for permission

1. Forwarded re-addressed recommending approval.
2. The Chief of the Bureau of Medicine and Surgery is of the opinion that no harmful effects will result from the prosecution of the experimental design outlined in the basic correspondence.


W. DANA
Assistant Chief for Research and
Medical Military Specialties

Copy to:
CO NADC, Johnsville, Pa.

ADDRESS REPLY TO
U. S. NAVAL AIR DEVELOPMENT CENTER
JOHNSVILLE, PENNSYLVANIA
AND REFER TO NO

MA-2

2364

U. S. NAVAL AIR DEVELOPMENT CENTER
JOHNSVILLE, PENNSYLVANIA

18 MAR 1954

From: Commander, U.S. Naval Air Development Center, Johnsville, Pa.
To: Secretary of the Navy, Washington 25, D.C.
Via: Chief, Bureau of Medicine and Surgery, Navy Department, Washington, D.C.

Subj: The Use of Human Subjects for Study NM 001 090.04, titled "The Effects of Heat and Cold on Living Mammalian Tissues;" request for permission

Ref: (a) Chief, BuMed ltr BUMED-714; jb, NM 001 090.04 dtd 1 Mar 54
(b) Manual of the Medical Department, U.S. Navy, Chapter I, Section IV, Research, Article 1-17.

1. The purpose of study NM 001 090.04, "The Effects of Heat and Cold on Living Mammalian Tissues," approved by reference (a), is to investigate the relationship between skin pain and cutaneous tissue damage induced by thermal radiation and ultraviolet radiation.
2. First and second degree thermal burns of approximately 1 cm. in diameter will be induced on the surfaces of the forearms of normal human subjects and pain thresholds measured during the period of hyperalgesia, i.e., until the pain threshold returns to a normal level. Ultraviolet radiation exposures will be made until erythema is produced and pain thresholds measured for the duration of lowered pain threshold. Skin damage in every case will be transient.
3. Permission is requested for the use of human volunteers in accordance with reference (b) for the subject experimentation.

C. J. Pfingstag
C. J. PFINGSTAG

U. S. NAVAL AIR DEVELOPMENT CENTER
Johnsville, Pennsylvania

1A-2
2664

18 Mar 1954

From: Commander, U.S. Naval Air Development Center, Johnsville, Pa.
To: Secretary of the Navy, Washington 25, D. C.
Via: Chief, Bureau of Medicine and Surgery, Navy Department, Washington, D. C.
Subj: The Use of Human Subjects for Study 1 CO1 990.24, titled "The Effects of Heat and Cold on Living Mammalian Tissues;" request for permission
Ref: (a) Chief, Bureau of Medicine and Surgery, Navy Department, Washington, D. C., ltr BUWED-714;jb, 11 CO1 990.24 dtd 11 Mar 54
(b) Manual of the Medical Department, U.S. Navy, Chapter I, Section IV, Research, Article 1-17.

1. The purpose of study 1 CO1 990.24, "The Effects of Heat and Cold on Living Mammalian Tissues," approved by reference (a), is to investigate the relationship between skin pain and cutaneous tissue damage induced by thermal radiation and ultraviolet radiation.
2. First and second degree thermal burns of approximately 1 cm. in diameter will be induced on the surfaces of the forearms of normal human subjects and pain thresholds measured during the period of hyperalgesia, i.e., until the pain threshold returns to a normal level. Ultraviolet radiation exposures will be made until erythema is produced and pain thresholds measured for the duration of lowered pain threshold. Skin damage in every case will be transient.
3. Permission is requested for the use of human volunteers in accordance with reference (b) for the subject experimentation.

/s/C. J. Pfingstag
C. J. PFINGSTAG

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