

*Johnsville*  
THIRD ENDORSEMENT on NAVALMATCHEN ltr XG-4;EH:alc 7307 (4047) of  
24 Aug 1962

From: Chief of Naval Personnel  
To: Secretary of the Navy

Subj: Experimental Studies of a Medical Nature involving Persons in  
the Naval Establishment

1. Forwarded, recommending approval.

*A.G. Esch*

Copy to:  
BUMED  
BUREAU (RAAB-13)  
NAVALMATCHEN, Phila  
NAVALDEVCHEN, Johnsville

A. G. ESCH  
By direction

OCT 10 1962

Approved.....

*Paul B. Fay, Jr.*

PAUL B. FAY, JR.  
Under Secretary of the Navy

OFFICE  
SECNAV

OFFICIAL FILE  
SEC NAV

UNDSECNV SERIAL:

4635

4 1721

NAV1.941006.064

721

BUMKD-711:mkf

1 Oct 1962

SECOND MEMORANDUM FOR THE RECORD, Itr NO-4-111-10-7307 (4047) of

24 Aug 1962

From: Chief, Bureau of Medicine and Surgery

Subject: [Illegible]

Reference is made to [Illegible]

It is considered that these procedures will impose an undue burden on the volunteers involved.

*[Handwritten signature]*  
C. B. GALLOWAY

NAVAL MEDICAL CENTER, Parris  
NAVAL MEDICAL CENTER, Jacksonville

RAAE-13/1057:WLI

FIRST ENDORSEMENT on NAVALMATCHEN ltr IG-4:EH:alc 7307 (4047) of  
24 Aug 1962

25 SEP 1962

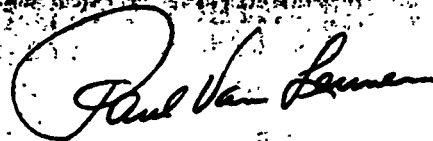
From: Chief, Bureau of Naval Weapons  
To: Secretary of the Navy  
Via: (1) Chief, Bureau of Medicine and Surgery  
(2) Chief of Naval Personnel

Subj: Experimental Studies of a Medical Nature Involving Persons  
in the Naval Establishment

1. Forwarded, strongly recommending approval. This study is considered necessary for the National space effort and for possible future weapons systems. No injury is expected.

2. Since this request involves both the Naval Air Development Center, Johnsville for the centrifuge operation and the Naval Air Material Center, Philadelphia for the low pressure chamber operation, it is recommended that final approval be issued to both activities.

Copy to:  
NAVALMATCHEN, Phila.  
NAVAIRDEVGEN, Johnsville



PAUL VAN LEUNEN  
By direction

XG-4:EH:alc  
7307  
(4047)

of the Medical Department, 1962, shall be fully complied with.

Since it is planned to initiate this study within the following month,  
it is requested that approval of this request be expedited.

*Roland A. Bosler*  
ROLAND A. BOSLER  
By direction

Copy to:  
NASA, Wash.  
NASA (MSC), Houston

VIA FOR URGENT  
LETTERS ONLY

**SPEED**

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CLASSIFICATION

**UNCLASSIFIED - URGENT**

IN REPLY REFER TO

**XG-4:EH:alc  
7307  
(4047)**

DATE

**24 AUG 1962**

**TO: Secretary of the Navy  
Department of the Navy  
Washington 25, D. C.**  
**Via: (1) Chief, Bureau of Naval Weapons  
(2) Chief, Bureau of Medicine and Surgery  
(3) Chief of Naval Personnel**

**NAVAL SPEEDLETTER-**

Permits dispatch or informal language. May be sent (1) with enclosure, (2) in a window envelope (size 8 3/4" x 3 3/4"), if contents are not classified as confidential or higher, (3) to both naval and nonnaval activities. Is packaged 500 sheets of white or of one color: yellow, pink, or green.

(Fold)

**Subj: Experimental studies of a medical nature involving persons in the Naval Establishment**

Approval is requested for the conduct of an experimental study described below, in which volunteer personnel of the Naval Establishment will be used as subjects. The study to be conducted was evolved in a series of conferences held with personnel of the National Aeronautics and Space Administration and members of the Working Group on Gaseous Environments of the Man in Space Committee of the National Research Council.

A group of six (6) subjects composed of experienced Naval pilots will be exposed to the acceleration, gaseous composition, and total pressure anticipated for a 14-day orbital flight for Project GEMINI. Exposure to accelerations simulating launch and re-entry phases of the flight profile will be conducted on the centrifuge of the Aviation Medical Acceleration Laboratory (AMAL), Naval Air Development Center. The subjects will be maintained in a low pressure chamber at one third of an atmosphere pressure, breathing 100% oxygen for 14 days between launch and re-entry acceleration profiles. Complete medical monitoring of the subjects will be performed prior to, during, and after the confinement and acceleration periods. Part of the experimental procedures will involve withdrawal of arterial blood and measurement of its oxygen tension. During transportation of the subjects between AMAL and ACEL, they will be wearing full pressure suits and will be maintained at a third of an atmosphere pressure, breathing 100% oxygen. Flight surgeons shall be available to directly monitor the subjects during each phase of the study, and every precaution shall be observed to assure their safety and well-being. Procedures outlined in Article 1-11, Manual

COPY TO

**NASA, Wash.  
NASA (MSC), Houston**

**ADDRESS: Commanding Officer  
Naval Air Material Center  
Philadelphia 12, Pennsylvania**

← SENDER'S MAILING ADDRESS

Address reply as shown at left; or reply hereon and return in window envelope (size 8 3/4" x 3 3/4"), if not classified as confidential or higher.

CLASSIFICATION

**UNCLASSIFIED - URGENT**