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A11

29 SEP 1954

My dear Senator Holland:

Your request of September 14, 1954, for information with regard to the use of citrus juices in the prevention of pilot blackout in high altitude flying and accelerated angular flight operations has been accorded an exhaustive search of the files of the Research Division of the Bureau of Medicine and Surgery.

The results of this search are as follows:

There is no indication that any of the Research Activities under cognizance of the Bureau of Medicine and Surgery have ever performed any studies or research with regard to the effect of citrus juices on aviators' immunity to blackout in high speed aircraft operations.

The above mentioned search for information revealed only one proposal by a naval medical officer to effect a study of this nature in July, 1942. Before this proposed study could be implemented, the medical officer concerned was transferred overseas and there is no evidence that any work was performed on this project nor are there any reports which would indicate any degree of progress on this proposal.

Some of our Aviation Medical Laboratories located at a distance from Washington possibly may have some information on this subject. These laboratories are being contacted and in the event that this additional search produces any substantial information, you will be informed accordingly.

I sincerely hope that the information contained in this letter will be sufficient for your purposes.

Sincerely yours,

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

Honorable Spessard L. Holland
United States Senate
Washington, D. C.

Prepared by: Captain O. D. Yarbrough (MC) USN
BuMed-71, Building 3, Room 6, Tel: 62836
28 September 1954

MAILED VIA U S MAIL
THIS DATE 9-30
/s/ G. P.

Handwritten notes and initials on the right margin, including a checkmark, "7-5", "2-#", and a vertical line with diagonal slashes.

United States Senate

September 14, 1954

Respectfully referred to

Honorable James H. Smith, Jr.
Assistant Secretary of the Navy for Air
Department of the Navy.....

with thanks for such favorable consideration as
the communication herewith submitted warrants,
and for a report thereon in duplicate to
accompany return of inclosure.

By direction of



Spessard L. Holland

SPESSARD L. HOLLAND, U. S. S.

SLH/p



DEPARTMENT OF THE NAVY
BUREAU OF MEDICINE AND SURGERY
WASHINGTON 25, D C

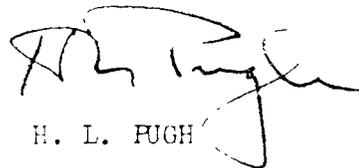
IN REPLY REFER TO
BUMED-71:jdl
J25
28 Sept 1951

MEMORANDUM

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

Subj: Reply to Senator Spessard L. Holland's letter of September 10, 1954;
brief concerning

1. Background: Senator Spessard L. Holland received an inquiry from Mr. Hagan/Parrish, of Lakeland, Florida, relative to the use of citrus juices in the prevention of blackout in pilots who do high altitude flying and fast diving operations.
2. Search of available files for information in regard to use of citrus juices in the prevention of blackout of high speed aircraft pilots reveals no information. One proposal not implemented found. Aviation Medical Laboratories contacted for possible further information on this subject.


H. L. FUGH