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January 2, 1969

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MEMORANDUM TO: Mr. R. S. Cesaro, ARPA

TO \*UNCLASSIFIED\* 9 - OCT 1979

FROM: Herbert Pollack

Per Director DARPA/TIC

SUBJECT: Report of Visit to U.S.S. Saratoga, December 31, 1968 (u)

1. The visit to the Aircraft Carrier Saratoga was accomplished on December 31, 1968. The personnel were most cordial and cooperative.
2. The Chief Medical Officer is an alert, well informed, and effective physician. We discussed the possibility of a retrospective study of the health records of deck personnel as compared to other groups of sailors.
3. The engine room crew, because of constant exposure to high temperatures, have a specialized series of complaints that make it difficult to evaluate their health against deck crews. Sailors in the supply division would serve as better controls.
4. The medical records while adequate for the routine health supervision may not be complete enough for our purposes. Commander Pratt, the C.M.O. of the Saratoga, has offered to try to get a comparison of sick call rates between deck crews and other divisions and to list the frequency of various complaints or presenting symptoms.
5. The Operations Officer in charge of radar pointed out that the "lookouts" are in the direct line of sight of the search radars for four hours at a time. These men are selected from the gunnery crews.
6. The executive officer speaking for the Captain expressed their interest in the problems and will extend all help if the CNO or CINCATLAN approves a request to have two observers aboard the Saratoga to get base line readings on selected members of the crew. The carrier is scheduled for a training cruise in the Carribbean for February and it was suggested that the last part of that month would be most convenient for them.

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7. It is suggested that a protocol be developed for the purpose of making measurements of "vigilance" reactions on selected members of the crew. These measurements will be repeated on the same people after several months of operational activities. It should be pointed out that the Saratoga has just undergone extensive rehabilitation and has been tied to the docks for one year. Hence none of the ship's complement have had any exposure to micro-waves during this time. The subjects selected for the study should be divided into two groups: a. veteran members of the crew whose duties allowed them to be radiated by the micro-waves and b. new recruits with no history of previous exposure to micro-waves. A log will be kept of the duty stations and hours of the selected subjects.

HP/nr

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