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19. ABSTRACT (Continue on reverse if necessary and identify by block number) This study was essentially a review and analysis of seven rather diversified areas of the biomedical sciences to determine the state-of-the-art potential practical applications and promising areas for future research of interest to the DOD. These seven areas were-- biological individuality; selection individuals for specific duties associated with night vision proficiency; computer applications in the biological sciences; sensitivity of auditory and vestibular systems to stimuli other than sound and motion; rhythmic cycles in man; biological correlates of cognitive sensory and motor abilities; neural integration in learning and memory. Detailed individual reports on each of these area have been written and include sections on future research of interest, a bibliography and key scientists. Hopefully, these studies will provide additional background data to DOD research agencies in determining future areas for exploitation.			
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29 September 1975

SUBJECT

Final Scientific Report for Contract F44620-74-C-0077

TO

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Subject contract was supported by DARPA (Order No. 2808) and monitored by AFOSR/NL. This project consisted essentially of a review of seven biomedical sciences areas that appear to be promising fields for future research. At the conclusion of each of the separate reviews a report was prepared which included but was not limited to suggestions for future research, bibliography and key investigators in the area. Each of these reports has been forwarded to DOD research agencies and to DDC. Preparation of a final report attempting to summarize the results from reviewing seven rather diversified topics would serve little useful purpose and that requirement is waived by agreement with the germane DARPA program manager.

W. G. Wisecup

WILLIAM G. WISECUP, Lt Col, USAF, VC
 Program Manager
 Life Sciences Directorate



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