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U. S. NAVAL SCHOOL OF AVIATION MEDICINE

CATALOG OF SCIENTIFIC PUBLICATIONS

1942 - 1963

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U. S. NAVAL SCHOOL OF AVIATION MEDICINE
U. S. NAVAL AVIATION MEDICAL CENTER
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NAVY DEPT

SUPPLEMENT No. 1

U. S. NAVAL SCHOOL OF AVIATION MEDICINE
CATALOG OF SCIENTIFIC PUBLICATIONS

31 December 1964

U.S. Naval School of Aviation Medicine
 U.S. Naval Aviation Medical Center
 Pensacola, Florida 32512

Changes and additions as of 31 December 1964, for inclusion in the U. S. Naval School of Aviation Medicine Catalog of Scientific Publications.

PEN AND INK CHANGES

Place an asterisk before the following NSAM File Numbers: (Copies not available)

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33	440
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Mark the following Subtasks terminated:

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7	MRU05.13-1002 Subtask 17 after Report No. 6
13	MR005.13-3001 Subtask 5 after Report No. 3

Add the following page numbers to authors listed in the Author Index:

<u>Page Number</u>	<u>Author</u>	<u>Numbers to be added</u>
141	Colehour, J. K.	126
142	Doll, R. E.	11a
142	Furry, D. E.	46(1), 125, 126
142	Graybiel, A.	10, 11a, 40a, 40b
142	Guedry, F. E.	40a, 40b
143	Hixson, W. C.	122
143	Kennedy, R. S.	132
144	Leonard, R. H.	126
144	McLeod, M. E.	40a
144	Miller, E. F., II	40a
145	Patterson, J. L., Jr.	10
145	Roman, J. A.	132
145	Smith, R. F.	45a
146	Warren, B. H.	132
146	Waters, L. K.	20
146	Webb, W. B.	124
146	Wherry, R. J., Jr.	20

The following gummed-back pages are the 1964 additions and/or changes to be cut and pasted as indicated:

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Correction of NSAM File Number 862 Report No. 6:

Also published in Amer. J. Cardiol., 13:683-687, 1964.

Page 38

Add to NSAM File Number 826 Report No. 74:

Also published in Aerospace Med., 35:1071-1082, 1964.

Page 39

Add to NSAM File Number 853 Report No. 81:

Also published in Acta Otolaryng. (Stockh.), 58:143-148, 1963.

1964 Additions.

Page 1 under MR005.13-0004 Subtask 2

894. COLEHOUR, J. K.
The effects of Coriolis acceleration during zero gravity flight on certain hematological and urinary parameters in normal and labyrinthine defective subjects.
Report No. 2 (NASA Order R-93) 5/19/64
Also published in Aerospace Med., 35:844-848, 1964.

Page 5 under MR005.13-1002 Subtask 1

896. SCHAEFER, H. J., SULLIVAN, J. J.
Measurements of the astronauts' radiation exposure with nuclear emulsion on Mercury Missions MA-8 and MA-9.
Report No. 27 (Joint, NASA Manned Spacecraft Center, Houston, Texas) 5/25/64
899. SCHAEFER, H. J.
Linear energy transfer spectrum of proton exposure on Mercury Mission MA-9.
Report No. 28 (NASA Order R-75) 7/14/64
903. SCHAEFER, H. J.
Dosimetric evaluation of data on the solid angle breakdown of shield thickness for the Apollo vehicle.
Report No. 29 (NASA Order R-75) 8/19/64
912. SCHAEFER, H. J.
Dosimetric evaluation of the alpha flux in solar particle beams.
Report No. 30 (NASA Order R-75) 11/30/64

Page 6 under MR005.13-1002 Subtask 11

886. HALL, A. L.
Observations of the burning of the candle at zero G.
Report No. 5 2/26/64

Page 9 under MR005.13-2005 Subtask 4

892. GERNANDT, B. E., ADES, H. W.
Spinal motor responses to acoustic stimulation.
Report No. 2 (NASA Order R-93) 4/22/64
Also published in Exp. Neurol., 10:52-66, 1964.

Page 10 under MR005.13-3001 Subtask 1

890. PATTERSON, J. L., Jr., GRAYBIEL, A., LENHARDT,
H. F., MADSEN, M. J.
Evaluation and prediction of physical fitness, utilizing
modified apparatus of the Harvard Step Test.
Report No. 4 4/15/64
Also published in Amer. J. Cardiol., 14:811-827, 1964

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MR005.13-3001

Subtask 2

File Number

887. OBERMAN, A., DOLL, R. E., GRAYBIEL, A.
Interdependence among some factors associated with
coronary heart disease.
Report No. 9 3/5/64

Page 20 under MR005.13-3003 Subtask 1

891. WATERS, L. K.
The relationships among the needs and values of
flight candidates.
Report No. 39 4/16/64
907. WHERRY, R.J., Jr., HUTCHINS, C. W., Jr.
An investigation of unpredicted differences in attrition
rates among students from different procurement sources.
Report No. 40 10/9/64
911. HUTCHINS, C. W., Jr.
The relationship between the rank of incoming officers
and success in flight training.
Report No. 41 11/20/64

Page 40 under MR005.13-6001 Subtask 1

882. GUEDRY, F.E., Jr., HARRIS, C.S., CORREIA, M.J.
A note on ocular motility during side-to-side
oscillation on the parallel swing.
Report No. 91 (NASA Order R-93)

1/3/64

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MR005.13-6001

Subtask 1

File Number

904. LANSBERG, M. P., GUEDRY, F.E., Jr., GRAYBIEL, A.
The effect of changing the resultant linear acceleration
relative to the subject on nystagmus generated by angular
acceleration.
Report No. 99 (NASA Order R-93) 9/1/64
Aerospace Med., 36: 1965.
905. CORREIA, M.J., GUEDRY, F. E., Jr.
Influence of labyrinth orientation relative to gravity
on responses elicited by stimulation of the horizontal
semicircular canals.
Report No. 100 (NASA Order R-93) 9/2/64
908. IGARASHI, M.
Comparative histological study of the reinforced area
of the saccular membrane in mammals.
Report No. 101 (NASA Order R-93) 10/14/64
910. SPOENDLIN, H.H., SCHUKNECHT, H.F., GRAYBIEL, A.
The ultrastructure of the otolith organs in squirrel monkeys
after exposure to high levels of gravito-inertial force.
Report No. 102 (NASA Order R-93) 11/5/64
Aerospace Med., 36: 1965.

MR005.13-6001

Subtask 1

File Number

883. CORREIA, M. J., GUEDRY, F. E., Jr.
Phase relations between sinusoidal ocular displacement
and parallel swing displacement in normal and labyrinthine
defective subjects.
Report No. 92 (NASA Order R-93) 1/10/64
884. GUEDRY, F.E., Jr., COLLINS, W.E., GRAYBIEL, A.
Vestibular habituation during repetitive complex
stimulation: A study of transfer effects.
Report No. 93 (NASA Order R-93) 1/15/64
Also published in J. Appl. Physiol., 19:1005-1015, 1964.
889. McLEOD, M. E., CORREIA, M. J.
Use of caloric test in evaluating the effects of gravity
on cupula displacement.
Report No. 94 (NASA Order R-93) 4/2/64
893. GUEDRY, F. E. Jr.
Visual control of habituation to complex vestibular
stimulation in man.
Report No. 95 (NASA Order R-93) 5/5/64
Also published in Acta Otolaryng. (Stockh.) 58:377-389, 1964.
898. GUEDRY, F. E., Jr.
Orientation of the rotation-axis relative to gravity: Its
influence on nystagmus and the sensation of rotation.
Report No. 96 (NASA Order R-93) 6/30/64
Also published in Acta Otolaryng. (Stockh.) 1965.
900. IGARASHI, M., LANSDON, S. M.
Redefinition of the macula neglecta in mammals.
Report No. 97 (NASA Order R-93) 7/30/64
901. MILLER, E. F., II, GRAYBIEL, A.
Magnitude of gravito-inertial force, an independent variable
in egocentric visual localization of the horizontal.
Report No. 98 (NASA Order R-47) 7/31/64

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MR005.13-7004

Subtask 5

File Number

897. BLACKBURN, L. H., Jr.
The evaluation of physiological syncope in aviation
personnel.
Report No. 16
Also published in Aerospace Med., 35:1212-1216, 1964.

7/1/64

Add to Page 45 under MR005.13-7004 Subtask 6

885. MORSE, R. L.
Significant physiological parameters of the ballisto-
cardiogram as analyzed by a mathematical model.
Report No. 11

1/8/64

Add to Page 46 under MR005.13-9010 Subtask 1

888. BEISCHER, D. E., KNEPTON, J. C., Jr.
Influence of strong magnetic fields on the electro-
cardiogram of squirrel monkeys (*Saimiri sciureus*).
Report No. 8
Also published in Aerospace Med., 35:939-944, 1964.

3/13/64

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MR005.13-9010

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Subtask 5

902. FURRY, D. E.
Histopathologic evaluation of a laboratory primate:
The squirrel monkey (*Saimiri sciureus*).
Report No. 1 (NASA Order A-34681)

8/15/64

File Number

895. ARNOLD, T.G., Jr., SMITH, R.F.
An instrument for ECG area measurements.
Report No. 1 5/26/64
906. SMITH, R.F.
Comparison of three exercise devices for the
electrocardiographic stress test.
Report No. 2 11/2/64
909. SMITH, R. F.
Quantitative interpretation of the exercise electro-
cardiogram. Use of computer techniques in the
cardiac evaluation of aviation personnel.
Report No. 3 11/4/64

Add to Page 122 under Monographs :

- Monograph 8 IGARASHI, M.
The inner ear anatomy of the squirrel
monkey. The study of horizontal serial
sections. (NASA Order R-93) 7/16/64
- Monograph 9 WHERRY, R. J., Jr.
Toward an optimal method of equating sub-
groups composed of different subjects.
Dissertation. 8/4/64
- Monograph 10 HIXSON, W. C., BEISCHER, D. E.
Biotelemetry of the triaxial ballistocardi-
ogram and electrocardiogram in a weightless
environment. (NASA Order R-20) 8/8/64

Add to Page 124 after the 6th Journal Article:

Webb, W. B., and Ades, H. W., Sleep tendencies: Effects of barometric pressure. Science, 143:263-264, 1964.

Engström, H., Ades, H. W., and Hawkins, J. E., Jr., Cytoarchitecture of the organ of Corti. Acta Otolaryng. (Stockh.), 188:92-99, 1964.

Add to Page 125 after 7th Journal Article:

Beischer, D. E., and Furry, D. E., Saimiri sciureus as an experimental animal. Anat. Rec., 148:615-624, 1964.

Beischer, D. E., Survival of animals in magnetic fields of 140,000 Oe. In: Bamothy, M. F. (Ed.), Biological Effects of Magnetic Fields. New York: Plenum Press, 1964.

Beischer, D. E., Biological effects of magnetic fields in their relation to space travel. In: Schaefer, K. E. (Ed.), Bioastronautics. New York: The MacMillan Company, 1964.

Add to bottom of Page 126:

Colehour, J. K., and Leonard, R. H., Serum fatty acids in coronary artery disease. Clinica Chimica Acta., 9:413-418, 1964.

Furry, D. E., Protection of vibrated rats exposed to explosive decompression. Aero-space Med., 35:773-775, 1964.

Add to Page 132 after 3rd Journal Article:

Kellogg, R. S., Kennedy, R. S., Graybiel, A., Motion sickness symptomatology of labyrinthine defective and normal subjects during zero gravity maneuver. AMRL-TDR-64-47. Wright-Patterson Air Force Base, Ohio: Aerospace Medical Research Laboratories, 1964. (NASA R-47).

Graybiel, A., Vestibular sickness and some of its implications for space flight. In: Fields, W. S., and Alford, B. R. (Eds.), Neurological Aspects of Auditory and Vestibular Disorders. Springfield, Ill.: Charles C Thomas, 1964.

Graybiel, A., Auricular fibrillation in an asymptomatic young man. Effects of exercise, digitalization, atropinization and the restoration of normal rhythm. Amer. J. Cardiol., 14:828-836, 1964.

Add to Page 133 after 3rd Journal Article:

Guedry, F. E., Psychophysiological studies of vestibular function. In: Neff, W. D., (Ed.), Contributions to Sensory Physiology. New York: Academic Press, 1964.

Guedry, F. E., The vestibular system. In: Webb, P. (Ed.), Bioastronautics Data Book. Yellow Springs, Ohio: Webb Associates, 1964.

Guedry, F. E., Characteristics of responses produced in man by rotatory stimulation of the semicircular canals. (Chart) In: Environmental Biology. Washington, D.C.: Federation of American Societies for Experimental Biology, 1964.

Add to bottom of Page 133:

Schuknecht, H. F., and Igarashi, M., Pathology of slowly progressive sensorineural deafness. Trans. Amer. Acad. Ophthal. Otolaryng., 68:222-242, 1964.

Schuknecht, H. F., McGee, T. M., and Igarashi, M., Stapedectomy: Postmortem studies. Arch. Otolaryng., 79:437-446, 1964.

Add to lower half of Page 134 under 4th Journal Article:

Mitchell, R. E., Circulatory effects and cardiopulmonary adaptation during flights to great heights. Milit. Med., 129:1186-1190, 1964.

Add to page 137 after 8th Journal Article:

Schaefer, H. J., Dosimetry of radiation fields in space. In: Schaefer, K. E. (Ed.), Bioastronautics. Chapter 5. New York: MacMillan Company, 1964.

Schaefer, H. J., Local LET spectra in tissue for solar flare protons in space and for neutron-produced recoil protons. In: Biological Effects of Neutron and Proton Irradiations. Vol. I., Vienna: International Atomic Energy Agency, 1964.

Schaefer, H. J., Man and radiant energy: Ionizing radiation. In: Dill, D. B. (Ed.), Handbook of Physiology. Section 4: Adaptation to the Environment. Washington, D. C., Amer. Physiological Soc., 1964.

Schaefer, H. J., The radiation field inside space vehicles. Aerospace Med., 35:104-110, 1964.

Schaefer, H. J., Proton dosimetry with nuclear emulsions on Mercury Missions MA-8 and MA-9. Radiation Res., 22: 1964. (Abstract)

Schaefer, H. J., Radiation monitoring on Project Mercury: Results and implications. Aerospace Med., 35:829-833, 1964.

Additional names for the Author Index:

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CATALOG OF SCIENTIFIC PUBLICATIONS

1942 - 1963

Compiled by

Peggy E. Stearns and Catherine F. Kasperek

31 December 1963

Approved by

Captain Ashton Graybiel, MC USN
Director of Research

Released by

Captain Clifford P. Phoebus, MC USN
Commanding Officer

U. S. NAVAL SCHOOL OF AVIATION MEDICINE
U. S. NAVAL AVIATION MEDICAL CENTER
PENSACOLA, FLORIDA

FOREWORD

An effort has been made to list scientific articles based on studies carried out by personnel of the U. S. Naval School of Aviation Medicine since its formal entrance into research in 1942. Not included, however, are Special Reports which cover material of limited interest and Technical Reports which are limited exclusively to work carried out under a Bureau of Naval Weapons, Navy Department, assignment task.

The catalog is divided into several sections, each preceded by an explanatory cover page. Provision has been made in the first, or on-going research program section, for listing of additional reports. These will be available on a yearly basis.

Subject headings in the topographical index section were modified from those appearing in Hoff, P. M., Hoff, E. C., and Fulton, J. F., A Bibliography of Aviation Medicine. Supplement. Menasha, Wisconsin: George Banta Publishing Company, 1944. Cross-indexing was not attempted; each report appears under the one category it seemed best to fit. The decision to index by report file number precluded subject categorizing the memorandum reports and journal articles only. The author index does, however, include these types.

REQUEST FOR COPIES

In most instances requests for copies can be filled; those no longer available are indicated by an asterisk before the file number. A request for an article should show its file number; author; title, Bureau of Medicine and Surgery Task, subtask, and report number; and publication date. Inquiries should be directed to:

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U. S. Naval School of Aviation Medicine
U. S. Naval Aviation Medical Center
Pensacola, Florida 32512

ACKNOWLEDGMENTS

Without the help of many people this catalog listing would have been an impossible task. The compilers are especially grateful to Captain Ashton Graybiel, MC, USN, Director of Research, for his guidance. Lieutenant Donald E. Furry aided appreciably in compilation of the topographical index, and all staff members were most cooperative in providing information.

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ON-GOING RESEARCH

CURRENT PROJECTS

MR005.13-0004 - MR005.13-9010

The number assigned by Bureau of Medicine and Surgery under its Research, Development, Test, and Evaluation Program is shown on the upper righthand corner of each page. Directly below is the Subtask number under which the on-going research is carried out. In listings where "Also published in" is found, this information was readily available only from current staff members. Unfortunately the journal references, therefore, are not complete.

ON-GOING RESEARCH - CURRENT PROJECTS

File Number

MR005.13-0004

Subtask 2

855. COLEHOUR, J.K., GRAYBIEL, A.
Excretion of 17-hydroxycorticosteroids, catechol
amines, and uropepsin in the urine of normal persons
and deaf subjects with bilateral vestibular defects
following acrobatic flight stress.
Report No. 1 (NASA Order R-47)
Also published in Aerospace Med., 35:370-373, 1964.

5/10/63

20. SCHAEFER, H. J. Subtask 1
Evaluation of present day knowledge of cosmic radiation
at extreme altitude in terms of the hazard to health.
Report No. 1 4/30/50
Also published in J. Aviat. Med., 21:375-394; 418, 1950.
21. SCHAEFER, H. J.
Further evaluation of present day knowledge of cosmic
radiation in terms of the hazard to health.
Report No. 2 8/15/51
22. SCHAEFER, H. J.
Exposure hazards from cosmic radiation beyond the
stratosphere and in free space.
Report No. 3 3/31/52
Also published in J. Aviat. Med., 23:334-344, 1952.
23. SCHAEFER, H. J.
The radial spread of the tissue ionization dosage in
heavy nuclei tracks of the primary cosmic radiation.
Report No. 4 8/5/52
24. SCHAEFER, H. J.
The rate of energy loss (REL) in the terminal section
of heavy nuclei tracks in living tissue.
Report No. 5 3/11/53
25. SCHAEFER, H. J.
Theory of protection of man in the region of the primary
cosmic radiation.
Report No. 6 8/5/53
Also published in J. Aviat. Med., 25:338-350, 1954.
26. SCHAEFER, H. J.
The cross section for thin-down hits from heavy nuclei of
the primary cosmic radiation in biological experimentation.
Report No. 7 1/12/54
27. SCHAEFER, H. J.
Graphs and tables for the hit frequencies from heavy nuclei
of the primary cosmic radiation: I. Hit frequencies for
small specimens (Drosophila, plant seeds, etc.).
Report No. 8 6/10/54

28. SCHAEFER, H. J.
Graphs and tables for the hit frequencies from heavy nuclei of the primary cosmic radiation: II. Hit frequencies for spherical targets of 2 to 5 centimeter diameter (small mammals).
Report No. 9 8/4/54
29. SCHAEFER, H.J.
Graphs and tables for the high frequencies from heavy nuclei of the primary cosmic radiation: III. Statistical variation of hit frequencies in a population of exposed specimens.
Report No. 10 2/11/55
30. SCHAEFER, H. J.
Graphs and tables for the hit frequencies from heavy nuclei of the primary cosmic radiation: IV. Iso-intensity charts for high-energy heavy nuclei within a standard sphere (man).
Report No. 11 12/20/55
31. SCHAEFER, H. J.
Optimum altitudes for biological experimentation with the primary cosmic radiation.
Report No. 12 6/5/56
Also published in J. Aviat. Med., 27:512-521, 1956.
32. SCHAEFER, H. J.
Graphs and tables for the hit frequencies from the heavy nuclei of the primary cosmic radiation: V. The intra-target dosage field for thin-down hits in spherical specimens of tissue composition.
Report No. 13 12/6/56
33. SCHAEFER, H. J.
Cosmic ray dosage during the giant solar flare of February 23, 1956.
Report No. 14 6/11/57
Also published in J. Aviat. Med., 28:387-396, 1957.
34. SCHAEFER, H. J.
Ionization dosage from X- and Beta rays in flight through auroral displays.
Report No. 15 6/2/58

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- *35. SCHAEFER, H.J.
Tissue depth doses in the high intensity proton radiation field of the inner Van Allen Belt.
Report No. 16 11/10/59
- *36. SCHAEFER, H. J.
Further evaluation of tissue depth doses in proton radiation fields in space.
Report No. 17 5/24/60
37. SCHAEFER, H. J.
A note on the RBE of proton radiation in space.
Report No. 18 1/10/61
783. SCHAEFER, H. J.
Dosimetry of proton radiation in space.
Report No. 19 6/6/61
794. SCHAEFER, H. J.
Radiation tolerance criteria in space operations.
Report No. 20 9/1/61
806. SCHAEFER, H. J.
LET analysis of tissue ionization dosages for proton radiations in space.
Report No. 21 2/19/62
- *810. SCHAEFER, H. J.
Time profile of tissue ionization dosages for Bailey's synthetic spectrum of a typical solar flare event.
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832. SCHAEFER, H. J.
A note on the influence of nuclear collision on the radiation dose from flare produced protons in space.
Report No. 23 9/24/62
841. SCHAEFER, H. J.
Energy dissipation characteristics in tissue for proton radiation in space. 1. Comparative analysis of the LET spectra of monoenergetic, flare produced, and fission neutron recoil protons.
Report No. 24 (NASA Order R-75) 1/24/63

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MR005.13-1002

Subtask 1

854. SCHAEFER, H. J.
A note on the influence of shield geometry on air dose
and tissue dose from protons within a space vehicle.
Report No. 25 (NASA Order R-75) 4/25/63
878. SCHAEFER, H. J.
The December 1962 report of the RBE Committee to the
ICRP and ICRU in its implications for the assessment of
proton radiation exposure in space.
Report No. 26 (NASA Order R-75) 10/18/63

Subtask 11

51. MILLER, E. F., II
Effect of breathing 100 per cent oxygen at atmospheric pressure upon the visual field and visual acuity.
Report No. 1
Also published in J. Aviat. Med., 29:598-602, 1958. 3/11/58
52. MULLINAX, P. F., BEISCHER, D. E.
Oxygen toxicity in aviation medicine. A review.
Report No. 2
Also published in J. Aviat. Med., 29:660-667, 1958. 2/24/58
- *53. HARRIS, J. G., BEISCHER, D. E., EVERSON, D.
The effects of inhalation of 100 per cent oxygen on performance of a task involving visual auditory conflict.
Report No. 3 10/5/60
867. HALL, A. L., FANG, H. S.
Determination of fire hazard in a five psia oxygen atmosphere.
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Subtask 17

805. CLOSE, P., IRELAND, R.G.
Effect of certain variations in the physiologic state
on tolerance to explosive decompression.
Report No. 1
Also published in Aerospace Med., 32:1050-1060, 1961. 12/1/61
822. FURRY, D. E.
Mortality in laboratory animals undergoing explosive
decompression.
Report No. 2 7/27/62
837. CARVER, M.C., CLOSE, P.
The effect of prior X-irradiation on the survival of
mice in explosive decompression.
Report No. 3 10/2/62
844. FURRY, D. E.
Tolerance of mice X-irradiated in an oxygen rich
environment to the stress of explosive decompression.
Report No. 4 2/25/63
Also published in Aerospace Med., 35:459-461, 1964.
871. FURRY, D. E.
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MR005.13-7004

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Subtask 6

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Subtask 1

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INACTIVE SUBTASKS

MR005.12-0004 - MR005.15-1005

INACTIVE SUBTASKS

File Number

MR005.12-0004

Subtask 1

11. ZARRIELLO, J. J., NORSWORTHY, M.E., BOWER, H.R.
A study of early greyout threshold as an indicator of
human tolerance to positive radial acceleratory force.
Report No. 1

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12. ZARRIELLO, J.J., NORSWORTHY, M. E.
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centrifuge.
Report No. 2

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MR005.12-0006

Subtask 1

13. STAUFFER, F. R.
The relationship of external pressurizing systems of
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petechiae.
Report No. 1

5/17/49

14. STAUFFER, F. R.
Current studies on developmental anti-blackout
equipment.
Report No. 2

2/5/51

15. COCHRAN, L. B.
A study of the half-pressure anti-blackout suit.
Report No. 3

7/20/54

16. NORSWORTHY, M.E., GARD, P.W., COCHRAN, L.B.
An evaluation of experimental anti-blackout equipment.
Report No. 4

11/1/55

Subtask 2

17. BORSOOK, H., GRAYBIEL, A., KEIGHLEY, G., WINDSOR, E.
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Report No. 1 (Calif. Institute of Technology) 8/20/53
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MR005.13-1002

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Subtask 4

43. MAAG, C. H.
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44. MAAG, C. H., HALL, A. L.
Characteristics of mental impairment under hypoxia.
Report No. 2 3/1/56

Subtask 5

45. HALL, A. L.
Some effects of explosive decompression on albino rats:
Preliminary studies.
Report No. 1 8/10/55

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Subtask 5

46. HALL, A. L., MAAG, C. H.
Evaluation of an instrumental conditioning procedure as
an index of auditory decrement in the white rat.
Report No. 2 3/15/55
47. HALL, A. L.
The rate and magnitude of explosive decompression
required to produce lethal effects in albino rats.
Report No. 3 1/31/57
48. CLOSE, P.
Some effects of differential pressures applied to the head
and body of rats.
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- Subtask 7
49. VOAS, R. B., BAIR, J. T., AMBLER, R. K.
The relationship between behavior in a stress situation and
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- Subtask 9
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(aeroembolism) in a subject repeatedly exposed to
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Report No. 1 12/29/55
- *50 a. HALL, A. L.
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repeatedly exposed to high altitude.
Report No. 2 ---
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after exposure to rapid decompression to 43,000 feet
simulated altitude.
Report No. 3 9/1/63

File Number

MR005.13-1002

Subtask 13

- *54. CLOSE, P., IRELAND, R. G.
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Subtask 19

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MR005.13-2005

Subtask 1

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Report No. 1 (Central Institute for the Deaf)
- 10/28/56
166. WARD, W. D.
The method of "single descent" in group audiometry.
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- 10/26/56
167. COX, J.R., BENSON, R. W., NIEMOELLER, A. F.
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Report No. 4 (Central Institute for the Deaf)
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Subtask 1

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Report No. 6 (Central Institute for the Deaf) 12/13/57
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Feasibility studies for hearing conservation program aboard CVA-type aircraft carriers.
Report No. 8 (BUWEPS Problem Assignment No. A04AE13-3) 8/26/60
173. HARBOLD, G.J., O'CONNOR, W.F.
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784. HARBOLD, G. J., GREENE, J. W.
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Report No. 10 (BUWEPS Problem Assignment No. A04AE 13-3) 5/2/61
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Report No. 11 (BUWEPS Problem Assignment No. A04AE 13-3) 5/15/61
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Subtask 2

174. MICKLE, W. A., ADES, H. W.
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Subtask 2

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TOLHURST, G. C., NIVEN, J. I.
Nystagmus elicited by high intensity sound.
Report No. 6 (The University of Texas Southwestern Med. Sch.) 2/15/57

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Subtask 4

186. SLONIM, N. B., GILLESPIE, D. G., HAROLD, W. H.
Peak oxygen uptake of trained healthy young men as determined by a treadmill method.
Report No. 1 10/8/56
- Subtask 7
196. SEALE, L. M., WEBB, W. B.
Accident data, instructor comments, and student questionnaire responses as indicators of transition training problem areas.
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197. HARRIS, J. G.
A study of visual-auditory conflict involving three stimuli.
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198. deRIVERA, J. H.
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231. BAIR, J. T., LOCKMAN, R. F., MARTOCCIA, C. T.
A factor analysis of predictor and criterion variables for the naval air training program.
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232. WEBB, W. B., KASPAR, J. C.
The ability to reproduce task cues and the ability to perform the task.
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233. BERKSHIRE, J. R., WATERS, L. K.
A measure of cultural background.
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234. AMBLER, R. K.
Characteristics of the revised aviation selection test battery administered experimentally to naval aviation cadets.
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235. AMBLER, R. K.
Pre-training flight experience levels in relation to aptitude test scores and attrition from the naval air training program.
Report No. 2
236. AMBLER, R. K.
The validity of the sub-scores of the aviation qualification test.
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- Subtask 5
237. MADDEN, W. F.
A method for deriving personality questionnaire items.
Report No. 1 11/1/60
- Subtask 6
238. MADDEN, W. F.
Measurement of personality variables by degree relevance.
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- Subtask 7
239. BOWERS, N. D., KELLEY, H. P.
Vocational interests of naval flight instructors.
1. Comparison with naval aviation cadets.
Report No. 1 5/1/56
240. BOWERS, N. D., KELLEY, H. P.
Vocational interests of naval flight instructors.
II. Comparison with national normative groups.
Report No. 2 5/1/56
241. MARTOCCIA, C. T., NELSON, W. H.
Comparison of instructor grade and instructor expressed
opinion as predictors of student success in naval air
flight training.
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242. WEBB, W. B.
Elements in individual-to-individual communication.
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- Subtask 8
243. VOAS, R. B.
The reliability of self determinations of pulse rates.
Report No. 1 3/15/55
244. VOAS, R. B.
A rapid method for scoring the Gladstone Group
Palmar Sweat Test.
Report No. 2 3/15/55

Subtask 9

245. JONES, M. B.
The generalization of the California PEC Scale.
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246. JONES, M. B., MANHOLD, J. H.
Authoritarianism and physical fitness.
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247. MANHOLD, J. H., JONES, M. B.
Authoritarianism and dental caries.
Report No. 3 3/15/55
248. JONES, M. B.
Aspects of the autonomous personality: V. Traits
from the Thurstone Temperament Schedule and VI. The
Pensacola Z-Scale.
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249. JONES, M. B.
Personal autonomy and confinement in the naval service.
Report No. 5 5/1/56
250. JONES, M. B.
Aspects of the autonomous personality: VII. The
Pensacola Z-Survey.
Report No. 6 10/15/56
- Subtask 11
257. ROGERS, O. E., WEBB, W. B., GALLAGHER, T. J.
Effect of restricting information in the verbal conditioning
situation on extinction.
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258. deRIVERA, J. H.
Some conditions governing the use of the cue producing
response as an explanatory device.
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259. SCHWARTZ, M.
An evaluation of the effectiveness of the reading training given in the U. S. Naval School, Pre-Flight.
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260. WILLINGHAM, W. W.
Interdependence of successive judgments. I. Comparative judgment. II. Affective judgment. III. Absolute judgment.
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261. WILLINGHAM, W. W.
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262. SCHWARTZ, M., GOODSON, J. E.
The effects of rate and direction of conditioned stimulus change on avoidance performance.
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266. BARTLETT, R. G.
The temporal lag between alveolar pressure and resultant mouth airflow (Pressure-Flow Lag (PFL) Phenomenon) and its variation with gas density, breathing effort, and breathing frequency.
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267. BARTLETT, R. G., PHILLIPS, N. E.
An apparatus for the determination of the respiratory exchange ratio (R) and metabolic rate of laboratory animals.
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268. BARTLETT, R. G., PHILLIPS, N. E.
Hypocapnia and erythropoiesis.
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269. BARTLETT, R. G., PHILLIPS, N. E.
Problems of nitrogen-free and carbon dioxide-
rich extraterrestrial atmospheres.
Report No. 3

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787. BARTLETT, R. G., HERTZ, R. A.
Is it possible to differentiate by inhalation between
air and oxygen?
Report No. 1

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Subtask 6

270. BARTLETT, R. G., PHILLIPS, N. E.
A device for the humidification of inspired dry
oxygen and the prevention of hyperventilation.
Report No. 1 (BUWEPS Assignment TED PEN AE 5100.1)

3/1/60

271. BARTLETT, R. G., PHILLIPS, N. E.
A device for the humidification of inspired dry oxygen
and the conservation of breathing oxygen.
Report No. 2 (BUWEPS Assignment TED PEN AE 5100.1)

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272. BARTLETT, R. G., PHILLIPS, N. E.
A device for the humidification of dry oxygen.
Report No. 3 (BUWEPS Assignment TED PEN AE 5100.1)

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819. BARTLETT, R. G.
Design concepts for dome type helmet improvements.
Report No. 4 (BUWEPS RAE 20A 028/5611/R 005 01 001)

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273. PHILLIPS, N. E., BARTLETT, R. G.
Gross effects of liquid O₂ contaminants.
Report No. 1 (BUWEPS Assignment TED PEN AE 5100.2)

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Subtask 7

274. BARTLETT, R. G., PHILLIPS, N. E.
Gross effects of liquid O₂ contaminants: Additional studies.
Report No. 2 (BUWEPS Assignment TED PEN AE 5100.2) 4/27/60
275. BARTLETT, R. G., PHILLIPS, N. E., COUCH, G. T.
Oxygen contaminants: Cylinder odors.
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276. BARTLETT, R. G., PHILLIPS, N. E.
The velocity-volume loop.
Report No. 1 1/3/61
277. BARTLETT, R. G., PHILLIPS, N. E., WOLSKI, E. J.
Maximum breathing capacity prediction from the velocity-volume loop.
Report No. 2 1/3/61
278. BARLETT, R. G.
Pulmonary function evaluation in air and space flight.
Report No. 3 2/23/61
788. BARTLETT, R. G.
Some adjuncts to mouth-to-mouth resuscitation.
Report No. 4 7/11/61
789. BARTLETT, R. G.
In-flight artificial respiration and pulmonary resuscitation with standard oxygen gear.
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796. BARTLETT, R. G., WILKERSON, J. E., HILL, L. W.
A reliability assessment of the velocity volume (\dot{V} -V) loop technique for pulmonary function evaluation.
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797. BARTLETT, R. G.
A miniature walk-around oxygen rebreather device.
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798. STARKE, R. D., BARTLETT, R. G.
A simple technique for measuring the oxygen cost
of physical work.
Report No. 8 12/5/61
799. BARTLETT, R. G.
A closed circuit, compressed oxygen source rebreather
system for aircraft, featuring automatic economic
nitrogen elimination.
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808. BARTLETT, R. G., HERTZ, R. A.
Automatic economic nitrogen elimination in
oxygen rebreathing systems.
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818. BARTLETT, R. G.
A study of CO₂ build-up with a neck seal substituted
for the face seal in the full pressure suit helmet.
Report No. 11 (BUWEPS RAE 20A 028/5611/R 005 01 001) 6/8/62
820. BARTLETT, R. G., HERTZ, R. A.
Oxygen cost of breathing of a hospital population
measured with a simplified technique.
Report No. 12 (BUWEPS RAE 20A 028/5611/R 005 01 001) 6/19/62

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Subtask 1

279. WEBB, W. B.
The prediction of aircraft accidents from pilot
centered measures.
Report No. 1 1/27/56
280. WEBB, W. B., MILLER, E. E., SEALE, L. M.
Further attempts at coding aircraft accidents.
Report No. 2 7/31/57

Subtask 2

281. HALL, A. L., ALFORD, L. A.
Measurement of stress on Martin-Baker ejection
seat face curtain. Memo Report.
Report No. 1 10/23/50
282. STAUFFER, F. R., COCHRAN, L. B.
Preliminary studies on the ease with which pilots can
grasp and pull the ejection seat face curtain handles.
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Subtask 3

283. FRENCH, G. N., HALL, A. L.
The time course of carboxyhemoglobin formation in
subjects exposed to carbon monoxide for periods of
ten to sixteen hours, and its modification by
intermittent breathing of 100% oxygen.
Report No. 1 7/6/54

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284. HALL, A. L.
Use of standard naval aviation oxygen equipment
under water.
Report No. 1 7/15/52
285. HALL, A. L.
Development of shallow water rescue apparatus from
MSA oxygen rebreathing apparatus, MK-2A.
Report No. 2 5/24/56
286. HALL, A. L.
Indoctrination in use of the rebreathing apparatus,
multipurpose (RAMP).
Report No. 3 12/5/56

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287. MULLINAX, P. F., DION, R. L.
Carbon monoxide poisoning, hypoglycemia, and
hyperventilation: Unimportant problems for student
helicopter pilots.
Report No. 1 (TED PEN AE 6437) 6/30/58

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309. HOLLANDER, E.P.
The relationship of leadership choice to authoritarian attitudes in a military setting.
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310. HOLLANDER, E. P., SAUSSER, E.R.
A further consideration of peer nominations on leadership in the naval air training program: Prediction of completion or failure.
Report No. 2 10/12/53
311. HOLLANDER, E. P., WEBB, W. B.
Leadership, followership, and friendship.
Report No. 3 1/28/54
312. POE, A. C., AMBLER, R. K.
The evaluation of a forced choice rating form for determination of the leadership potential of pre-flight NavCads.
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313. WEBB, W. B.
An analysis of the reliability and validity of "voting behavior" compared with individual judgments.
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314. VINACKE, W. E.
The assessment of officer-like qualities in naval air cadets.
Report No. 6 10/29/56
315. WEBB, W. B.
A note on responses to faces of others.
Report No. 7 3/4/57
- *316. WEBB, W. B., KASPAR, J. C.
A note on the reliability of two methods of protocol analysis.
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317. O'CONNOR, W. F.
The interrelationships of social perception, sociometric status, personality, and the ability to judge personality traits.
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318. WATERS, L. K., WHERRY, R. J. Jr.
Evaluation of two forced-choice formats.
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319. HOLLANDER, E. P.
An investigation of the relationship between academic performance in pre-flight and ultimate success or failure in basic flight training.
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320. LOCKMAN, R. F., POE, A. C.
A progress grade for naval air training.
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790. WATERS, L. K., WHERRY, R. J., Jr.
A note on the stability of the preference index in forced-choice blocks.
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321. BAIR, J. T., HOLLANDER, E. P., AMBLER, R. K.
The development of an inventory of social attitudes related to morale of naval aviation cadets.
Report No. 1 4/13/53

322. LEARNER, D. B.
Psychological factors of morale.
Report No. 2 5/7/54

323. NELSON, P. D.
A note on factors related to group status.
Report No. 3 7/26/57

- Subtask 4
324. WILLINGHAM, W. W.
The sentence-completion test as a measure of morale.
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325. NELSON, P. D.
A note on occupational ratings of security and prestige.
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326. WILLINGHAM, W. W.
Non-medical correlates of medical complaints.
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327. JONES, M. B., NELSON, P. D.
The law of criticality.
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- Subtask 5
328. deRIVERA, J. H., WEBB, W. B.
Correlations between dynamic visual acuity and
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329. CREELMAN, J. A.
Evaluation of approach training procedures.
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330. CREELMAN, J. A., MILLER, E. E.
Evaluation of a "moving airplane" attitude indicator.
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- Subtask 6
331. ROGERS, O. E.
Analysis of basic training stage grades for multi-
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- Subtask 8
333. KELLEY, H. P.
A study of preferences for type of naval air advanced
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334. BERKSHIRE, J. R., HAVENS, C. B., PROEHL, C. W.
Measuring training progress.
Report No. 2

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335. SCHWARTZ, M.
Avoidance learning as a function of conditioned
stimulus variables.
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338. MILLER, E. E.
Transfer effects of special training upon pre-solo
flight training.
Report No. 1

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Subtask 15

339. AMBLER, R. K., BAIR, J. T., WHERRY, R. J., Jr.
A study of the variables from the Bureau of Naval
Personnel's aviation score sheet.
Report No. 1
Also published in Aerospace Med., 31:456-461, 1960.

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340. JONES, M. B., GOODSON, J. E.
The effect of boredom on suggestibility.
Report No. 1

7/1/59

341. GOODSON, J. E., JONES, M. B.
In-flight suggestibility.
Report No. 2
Also published in Aerospace Med., 33:482-486, 1962.

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517. MILLER, E. F., II
Ocular pursuit of a target moving in an apparent
circular path.
Report No. 1

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518. MILLER, E. F., II
Effect of exposure time upon the ability to perceive
a moving target.
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Subtask 3

519. MILLER, J. W., GOODSON, J. E.
A note concerning "motion sickness" in the
2-FH-2 Hover trainer.
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- *562. LUDVIGH, E. J., MILLER, J. W.
A study of dynamic visual acuity.
Report No. 1

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- *563. MILLER, J. W., LUDVIGH, E. J.
Dynamic visual acuity when the required pursuit
movement of the eye is in a vertical plane.
Report No. 2

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564. LUDVIGH, E. J.
The influence of dynamic visual acuity on the visibility
of stationary objects viewed from an aircraft flying at
constant altitude, velocity, and direction.
Report No. 3

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565. LUDVIGH, E. J.
Perception of contour: I. Introduction.
Report No. 4

8/17/53

566. LUDVIGH, E. J.
Perception of contour: II. Effect of rate of change
of retinal intensity gradient.
Report No. 5

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567. LUDVIGH, E. J., MILLER, J. W.
Some effects of training on dynamic visual acuity.
Report No. 6

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#All reports under Subtask 2 were Joint Projects with The Kresge Eye Institute

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568. LUDVIGH, E. J., MILLER, J. W.
An analysis of dynamic visual acuity in a population
of 200 naval aviation cadets.
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569. MILLER, J. W., LUDVIGH, E. J.
A shortened procedure for the testing of dynamic
visual acuity.
Report No. 8 5/25/55
570. LUDVIGH, E. J., MILLER, J. W.
The effects on dynamic visual acuity of practice at
one angular velocity on the subsequent performance
at a second angular velocity.
Report No. 9 6/1/55
571. MILLER, J. W., LUDVIGH, E. J.
The results of testing the dynamic visual acuity
of 1000 naval aviation cadets.
Report No. 10 8/10/56
572. MILLER, J. W.
The measurement of dynamic visual acuity while the
observer is rotating.
Report No. 11 10/56
573. MILLER, J. W.
The effect of altered illumination on visual acuity
measured during ocular pursuit.
Report No. 12 9/20/56
574. MILLER, J. W., LUDVIGH, E. J.
An analysis of certain factors involved in the learning
process of dynamic visual acuity for 1000 naval aviation
cadets.
Report No. 13 4/15/57
575. MILLER, J. W.
A review of the methods previously employed to produce
a homogeneous visual field and the description of a newly
devised technique.
Report No. 14 8/1/57

#All reports under Subtask 2 were Joint Projects with The Kresge Eye Institute

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576. MILLER, J. W., LUDVIGH, E. J.
Time required for detection of stationary and moving
objects as a function of size in homogeneous and
partially structured visual fields.
Report No. 15 5/26/59
577. GOODSON, J. E., MILLER, J. W.
Dynamic visual acuity in an applied setting.
Report No. 16 5/25/59
578. MILLER, J. W.
The Use of artificial contrails to increase the visibility
of aircraft.
Report No. 17 10/12/59

#End of Joint Projects with The Kresge Eye Institute

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Subtask 1

520. WILBANKS, W. A., WEBB, W. B., TOLHURST, G. C.
A study of intellectual activity in a noisy environment.
Report No. 1 10/31/56

Subtask 2

521. CAMP, R. T.
A table for converting voltage to sound pressure
level in decibels.
Report No. 1 12/1/58

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Subtask 1[#]

579. BLACK, J. W.
Some effects upon voice of hearing tones of varying
intensity and frequency while reading.
Report No. 1 1/25/50

#All reports listed under Subtask 1 were Joint Projects with The Ohio State University
Research Foundation

		Subtask 1#
580.	WALKER, C., BLACK, J. W. The intrinsic intensity of oral phrases. Report No. 2	5/5/50
581.	AUSHERMAN, M., BLACK, J. W. Formal spoken vocabulary of college students. Report No. 3	5/5/50
582.	BLACK, J.W. The pressure in the oral cavity in the production of consonants. Report No. 4	5/5/50
583.	ATKINSON, C. J. A study of vocal responses during controlled aural stimulation. Report No. 5	12/23/50
584.	BLACK, J. W. The effect of delayed side-tone upon vocal rate and intensity. Report No. 6	1/30/51
585.	BLACK, J. W. The effect of noise-induced temporary deafness upon vocal intensity. Report No. 7	1/30/51
586.	MARPLE, N.B., MORRILL, S. N. A device for the production of delayed side tone. Report No. 8	8/16/51
587.	BLACK, J. W. Accompaniments of word intelligibility. Report No. 9	2/21/52
588.	BLACK, J. W. Some physiological accompaniments of speaking. Part I. The influence of loud speaking upon pulmonary gas exchange. Part II. The intensity of vowels in relation to pulmonary flow. Part III. The relationship between exhalation and vocal intensity in continuous speech. Part IV. Some breath-acoustic accompaniments of speech sounds. Report No. 10	4/1/52

*All reports listed under Subtask 1 were Joint Projects with The Ohio State University
Research Foundation

Subtask 1#

589. TOLHURST, G. C.
Audibility-recognition sound pressure functions of the
voiced cognate consonants.
Report No. 11 5/2/52
590. ATKINSON, C. J.
Adaptation to delayed side-tone-1.
Report No. 12 5/23/52
591. ATKINSON, C. J.
Some influences of delayed side-tone upon intelligibility.
Report No. 13 7/15/52
592. ATKINSON, C. J.
Intelligibility of speech heard at high altitude
and sea level.
Report No. 14 10/30/52
593. TOLHURST, G. C.
Localization accuracy resulting from isolated
binaural stimulation.
Report No. 15 1/5/53
594. TOLHURST, G. C., MORRILL, S. N.
Flight deck noise-exclusion personnel helmet
(FDPH) evaluation.
Report No. 16 5/7/53
595. BLACK, J. W.
Multiple-choice intelligibility tests.
Report No. 17 11/1/53
596. BLACK, J. W., ATKINSON, C.J., BRAGG, V.C.,
MORRILL, S.N., TOLHURST, G. C.
A measurement of the temporary effect of noise
upon hearing.
Report No. 18 11/1/53
597. BLACK, J.W., TOLHURST, G.C., MORRILL, S. N.
Applications of multiple-choice speech intelligibility
tests in the evaluation and use of voice communication
equipment.
Report No. 19 11/15/53

All reports listed under Subtask 1 were Joint Projects with The Ohio State University
Research Foundation

Subtask 1#

598. BLACK, J. W.
An application of side-tone in subjective tests of
microphones and headsets.
Report No. 20 2/1/54
599. BLACK, J.W., TOLHURST, G. C.
The relative intelligibility of language groups.
Report No. 21 5/1/54
600. BLACK, J. W.
The information of sounds and phonetic digrams of one-
and two-syllable words.
Report No. 22 5/15/54
601. O'NEILL, J.J.
Recognition of intelligibility test materials in context
and in isolation.
Report No. 23 6/15/54
602. TOLHURST, G. C., BLACK J. W.
Vocal responses before microphones.
Report No. 24 7/15/54
603. PETERS, R. W.
The effect of high-pass and low-pass filtering of
side-tone upon speaker intelligibility.
Report No. 25 8/16/54
604. PETERS, R. W.
The effect of acoustic environment upon speaker
intelligibility.
Report No. 26 8/30/54
605. PETERS, R. W.
Competing messages: The effect of interfering messages
upon the reception of primary messages.
Report No. 27 9/1/54
606. O'NEILL, J. J.
Listener judgments of speaker intelligibility.
Report No. 28 9/15/54

#All reports listed under Subtask 1 were Joint Projects with The Ohio State University
Research Foundation

607. O'NEILL, J. J.
The effects of exposure to white noise on individual test scores: Loudness-balance and intelligibility tests.
Report No. 29 9/30/54
608. PETERS, R. W.
Studies in extra-messages: Listener identification of speakers' voices under conditions of certain restrictions imposed upon the voiced signal.
Report No. 30 10/1/54
609. BLACK, J. W., MORRILL, S. N.
The pitch of side-tone.
Report No. 31 10/15/54
610. TOLHURST, G. C.
Speech reception and temporary hearing loss as a function of exposure to high-level noise.
Report No. 32 10/30/54
611. PETERS, R. W.
Message reception as a function of the time of occurrence of extraneous messages.
Report No. 33 11/1/54
612. BLACK, J. W., TOLHURST, G. C.
Intelligibility as related to the path of airborne side-tone.
Report No. 34 11/15/54
613. TOLHURST, G. C.
The effect on intelligibility scores of specific instructions regarding talking.
Report No. 35 11/30/54
614. TOLHURST, G. C.
The effect of attenuating one channel of a dichotic circuit upon the word reception of dual messages.
Report No. 36 12/1/54
615. BLACK, J. W.
The relative effectiveness of brief instructions to achieve loud speech.
Report No. 37 12/15/54

616. TOLHURST, G. C.
Variables of environment and printed materials in
intelligibility testing.
Report No. 38 12/30/54
617. BLACK, J. W.
The persistence of the effects of delayed side-tone.
Report No. 39 1/15/55
618. TOLHURST, G. C.
Some effects of changing time patterns and articulation
upon intelligibility and word reception.
Report No. 40 1/31/55
619. PETERS, R. W.
Voice intelligibility as a function of speakers'
knowledge concerning the conditions under which
their transmissions will be received by listeners.
Report No. 41 2/1/55
620. BLACK, J. W.
Control of the sound pressure level of voice.
Report No. 42 2/15/55
621. TOLHURST, G. C.
Speaker intelligibility of repeated messages acquired
by visual, aural, or visual-aural channels.
Report No. 43 2/28/55
622. PETERS, R. W.
The effect of length of exposure to speaker's voice
upon listener reception.
Report No. 44 3/1/55
623. BLACK, J. W., DREHER, J. J.
Nonverbal messages in voice communication.
Report No. 45 3/15/55
624. TOLHURST, G.C.
Intelligibility as a function of constant side-tone level when
frequency response and speaker's vocal effort are varied.
Report No. 46 3/30/55

#All reports listed under Subtask 1 were Joint Projects with The Ohio State University
Research Foundation

Subtask 1[#]

625. O'NEILL, J. J.
A comparative study of intelligibility values: Forms
A and B.
Report No. 47 4/1/55
- *626. BLACK, J. W., TOLHURST, G. C.
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Report No. 48 4/15/55
- *627. PETERS, R. W.
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speaker intelligibility.
Report No. 49 4/30/55
- *628. PETERS, R. W.
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response, and duration of response as a function of the
speaker's being repeatedly informed that he is not being
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Report No. 50 5/1/55
- *629. BLACK, J. W.
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intelligibility tests.
Report No. 51 5/15/55
- *630. CAMP, R. T.
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- *631. PETERS, R. W.
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632. BLACK, J. W.
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#All reports listed under Subtask 1 were Joint Projects with The Ohio State University
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| 634. | PETERS, R. W.
The relative intelligibility of single-voice and multiple-voice messages under various conditions of noise.
Report No. 56 | 7/1/55 |
| 635. | BLACK, J. W.
The prediction of the words of varied materials.
Report No. 57 | 7/15/55 |
| 636. | TOLHURST, G. C.
The effects of an instruction to be intelligible upon a speaker's intelligibility, sound pressure level, and message duration.
Report No. 58 | 7/30/55 |
| 637. | PETERS, R. W.
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Report No. 59 | 8/1/55 |
| 638. | BLACK, J. W., AUSERMAN, M
Vocabulary of college students in class-room speeches.
Report No. 60 | 8/15/55 |
| 639. | PETERS, R. W.
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| 640. | EVANS, W. E.
A study of intelligibility and selective filtering with a unidirectional communications net.
Report No. 62 | 12/15/55 |
| 641. | CAMP, R. T.
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Report No. 63 | 6/30/56 |
| 642. | PETERS, R. W.
Listener responses to voice messages as a function of signal-to-noise ratio and experience with similar messages.
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643. McCROSKEY, R. L.
Some effects of anesthetizing the articulators under conditions of normal and delayed side-tone.
Report No. 65 7/15/56
644. TOLHURST, G. C.
The effects of disrupting the simultaneity of visual-aural communication channels to a speaker.
Report No. 66 12/20/56
645. HARBOLD, G. J.
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Report No. 67 2/28/57
646. PETERS, R. W.
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Report No. 68 2/8/57
647. TOLHURST, G. C.
The relationship of speaker intelligibility to the sound pressure level of continuous noise environments of various spectra and octave-band widths.
Report No. 69 3/18/57
648. McCROSKEY, R. L.
A research note on the effect of noise upon flicker fusion frequency.
Report No. 70 7/1/57
649. HARBOLD, G. J., DOEHRING, D. G.
A rating scale measure of speech disturbances that accompany delayed speech feedback.
Report No. 71 12/3/57
650. O'NEILL, J. J.
A research note on intelligibility under varied levels and speech-to-noise ratios.
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651. CAMP, R. T.
The perception of multiple-choice intelligibility items in the presence of simulated propeller-type aircraft noise.
Report No. 73 7/1/58

*All reports listed under Subtask 1 were Joint Projects with The Ohio State University Research Foundation

Subtask 1

652. TOLHURST, G. C.
Delayed response: Effects upon speech reception and speaker intelligibility.
Report No. 74 8/15/57
653. NOBER, E. H.
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654. TOLHURST, G. C.
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655. BLACK, J. W.
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656. BLACK, J. W.
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Report No. 78 8/10/58
657. BLACK, J. W.
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Report No. 79 8/15/58
658. McCROSKEY, R. L.
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659. BLACK, J. W.
The relationship between the frequency spectrum of speech and scores yielded by multiple-choice intelligibility tests.
Report No. 81 8/21/58

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660. TOLHURST, G. C.
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Report No. 82. 1/5/59
661. TOLHURST, G. C.
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662. TOLHURST, G. C.
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663. TOLHURST, G. C.
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664. HARBOLD, G. J.
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Subtask 3

524. BERRIAN, J. H.
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Report No. 1 5/15/53
525. BERRIAN, J. H.
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Report No. 2 7/15/53

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Report No. 3 7/25/53
527. BEISCHER, D. E.
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BARLOW, G., SPURR, G.
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and fat content of the heart in lean and fat dogs.
Report No. 9 6/20/58
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533. MOSS, A. J., BARTLETT, R. G., CRAFT, W.
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815. COLEHOUR, J. K., MITCHELL, R. E.
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827. HARLAN, W. R., BEISCHER, D. E.
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556. BARTLETT, R.G., MOSS, A.J.
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Report No. 1 12/16/60

Subtask 1

685. BEISCHER, D. E.
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Report No. 1 9/30/49
686. BEISCHER, D. E.
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radioactive monolayers.
Report No. 2 5/15/50
687. BEISCHER, D. E.
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in the form of radioactive monolayers.
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688. BEISCHER, D. E.
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Report No. 4 5/26/50
689. BEISCHER, D. E.
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694. STAUFFER, F. R.
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695. STAUFFER, F. R.
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Report No. 2 2/9/50

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696. KELLEY, R. E., STAUFFER, F. R.
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the back rest position of the controllable supine seat:
SDC Project 9-U-37a.
Report No. 3 3/3/50
697. STAUFFER, F.R., ERREBO-KNUDSEN, E. O.
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698. KELLEY, R.E., STAUFFER, F.R.
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700. STAUFFER, F. R.
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701. STAUFFER, F. R.
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702. STAUFFER, F. R.
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703. COCHRAN, L.B., GARD, P.W., NORSWORTHY, M. E.
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704. ZARRIELLO, J.J., SEALE, L. M., NORSWORTHY, M. E.
The relationship between cardiovascular response and
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Report No. 11 5/8/58

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705. ZARRIELLO, J. J.
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Report No. 12 1/17/58
706. ZARRIELLO, J. J.
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Report No. 13 5/21/59

MR005.13-9010

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731. BARTLETT, R. G., ALTLAND, P. D.
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altitude tolerance in the rat.
Report No. 1 5/25/59
732. BARTLETT, R. G., PHILLIPS, N. E.
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Report No. 2 3/8/60
733. PHILLIPS, N. E., BARTLETT, R. G.
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Report No. 3 4/28/60
734. BARTLETT, R. G., HERTZ, R. A.
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Report No. 4 1/3/61

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Subtask 1

707. SPINDLER, T. F., HOHL, R. W.
Gx time flight patterns in the Naval Air Training Command.
Phase 1: Acrobatic and gunnery maneuvers in basic training
as flown in instructors basic training unit.
Report No. 1 8/7/53

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708. SPINDLER, T. F.
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Phase II and III: Acrobatic and gunnery maneuvers in basic
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709. COCHRAN, L.B., GARD, P.W., NORSWORTHY, M. E.
Gx time flight patterns in the Naval Air Training Command.
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Subtask 2

711. DOYLE, J.T., WILSON, J.S., ESTES, E.H., WARREN, J.V.
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Report No. 1 (Emory University School of Medicine) 3/15/51
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713. WILSON, J.S., ESTES, E.H., DOYLE, J.T., BLOOM, W. L.
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714. DOYLE, J.T., WILSON, J.S., WARREN, J. V.
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716. DOYLE, J. T., LEE, R. A., KELLEY, E. B.
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717. DOYLE, J. T., WILSON, J. S., LEPINE, C., WARREN, J. V.
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718. BATTEY, L. L., HEYMAN, A., PATTERSON, J. L., Jr.
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719. PATTERSON, J. L., Jr., HEYMAN, A., BATTEY, L. L.
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720. PATTERSON, J. L., Jr., FERGUSON, R. W.
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721. BATTEY, L. L., PATTERSON, J. L., Jr., HEYMAN, A.
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TERMINATED PROJECTS

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676. LIGHTFOOT, C.
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677. BLACK, J. W.
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Report No. 2 (Kenyon College Department of Speech) 9/9/49
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679. LIGHTFOOT, C.
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349. PAGE, H. E.
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523. NIVEN, J.I., JOHNSON, W., RAND, G.W.,
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737. MANHOLD, J. H.
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738. MANHOLD, J. H.
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739. MANHOLD, J. H., MELTON, R. S.
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740. MANHOLD, J. H., IZARD, C. E.
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365. LOCKMAN, R. F.
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Report No. 2
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367.	MELTON, R. S. The generalized distance function: A classification technique for the biological and social sciences. Report No. 4	7/2/53
371.	LOCKMAN, R. F. Readability of NAVCAD selection tests. Report No. 5	9/30/53
561.	KRASNO, L. R., GRAYBIEL, A. The new plaster electrocardiographic electrode. Report No. 6 Also published in <u>Amer. Heart. J.</u> , 49:774-776, 1955.	12/20/54
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523a.	NIVEN, J. I., CLARK, B. Incidence of normal healthy males reporting side-effects following ingestion of Neohetramine (Nepera). Report No. 1	2/16/54
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350.	GRINSTED, A. D. A serial decision-time recorder. Report No. 1	6/30/50

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355. TRUMBULL, R.
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359. TRUMBULL, R.
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357. POE, A.C., MAAG, C.H., JOHNSON, W.
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flight proficiency.
Report No. 1 10/31/52

368. MAAG, C. H., POE, A.C.
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354. WILCOXON, H. C., JOHNSON, W., GOLAN, D.L.
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360. JOHNSON, W.
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372. JONES, M. B.
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- *375. AMBLER, R. K.
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Report No. 4 4/20/54
- *376. AMBLER, R. K., BAIR, J. T.
A comparison of reasons for withdrawal recorded
by SPD Boards and to aviation psychologists.
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- *377. BAIR, J. T.
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Report No. 6 4/20/54
- *378. BOWERS, N. D.
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training command.
Report No. 7 4/20/54
- *379. JONES, M. B.
Two correlates of intolerance of fluctuation.
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- *380. JONES, M. B.
On the treatment of discrepancy scores.
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- *381. LOCKMAN, R. F.
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Report No. 10 4/20/54
- *382. LOCKMAN, R. F.
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Report No. 11 4/20/54
- *383. ROSENBERG, N., AMBLER, R. K.
Psychological characteristics of Naval Aviation Cadets
as measured by the Guilford-Zimmerman Temperament Survey.
Report No. 12 4/20/54

- *384. WEBB, W. B.
The reliability of peer ratings.
Report No. 13 4/20/54
- *385. WEBB, W. B.
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Report No. 14 4/20/54
- *386. WEBB, W. B., AMBLER, R. K.
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393. AMBLER, R.K., BAIR, J.T.
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394. BAIR, J. T., AMBLER, R. K.
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Report No. 20 10/20/54
395. BOWERS, N. D.
A comparison of two nonparametric methods of
item analysis.
Report No. 21 10/20/54
- *396. JOHNSON, W., LOCKMAN, R. F.
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- *399. VOAS, R. B., WEBB, W. B.
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- *683. WILBANKS, W. A.
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PRESENT STAFF MEMBERS

Alphabetical listing by senior author staff member. In cases where senior author is not a staff member but the coauthor is, alphabetical listing is by the first listed staff member. Underlined names denote present staff members. These publications did not appear as research reports.

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