University of Illinois Contract No. AF 33(038)-25726; Final Report; Lyle H. Lanier, Principal Investigator includes appendix A-H (final report for tasks A-H), corresponding to following folders

A-1 Eugene L. Gaier and Marilyn C. Lee, Test Response Patterning - August 1, 1952
A-3 Louis L. McQuitty, Charles Wrigley and Eugene L. Gaier, Approaches to the prediction of Job Success; I. The Descriptive Inventory, 25 February, 1953
A-4 Harry M. Mason, A Classification of Test Items for Measuring Job Knowledge of Airplane and Engine Mechanics, May 12, 1953
A-5 Eugene L. Gaier and Marilyn C. Lee, The Effect of Item Difficulty Level on Patterns of Response, 26, June 1953
A-7 Charles Wrigley and Walter A. Cleven, The Large-Scale Calculation of Phi Coefficients, July 2, 1953
A-9 Charles Wrigley and Louis L. McQuitty, The Square Root Method of Factor Analysis: A Re-Examination and a shortened Procedure, August 18, 1953
A-10 Charles Wrigley and Jack O. Neuhaus, A Measure of the Simplicity of Any Given Factor Pattern, August 17, 1953
A-11 Harry M. Mason, Controlling Redundancy in a Test Item Pool, October 16, 1953
A-28 Charles Wrigley and Malcolm Helper, The Calculation of Factor Measurements for Dichotomous and Multiple-Response Items, November 1, 1955
A-29 Louis M. McQuitty, Multiple Classification by Agreement Analysis in the Isolation of Types of Job-Knowledge Hem-Responses, November 4, 1955
A-30 Charles Wrigley, David R. Saunders and Jack O. Neuhaus, Application of the Quadrimax Method of Rotation to Thurstone's Primary Mental Abilities Test Battery, November 7, 1955
A-31 Louis L. McQuitty, Job-Knowledge Scoring Keys by Item versus Configural Analyses for Assessing Levels of Mechanical Experience, November 10, 1955
A-33 Louis L. McQuitty, Isolating Predictor Patterns Associated with Major Criterion Patterns, November 17, 1955

| B-2 | Paul Bakan, Preliminary Tests of Vigilance for Verbal Materials, March 31, 1952 |
| B-3 | William E. Kappauf and M. Carr Payne, A Selected, Annotated Bibliography on Procedures used in Activity Analysis, May 14, 1952 |
| B-4 | William E. Kappauf and Alan Strand, A Brightness Discrimination Apparatus for the Study of Vigilance, July 16, 1952 |
| B-5 | Paul Bakan, The Change in Threshold as a Measure of Decrement in a Vigilance Task, October 3, 1952 |
| B-6 | Matthew Wayner, A Quality Control Analysis of Brightness Matching Data, October 27, 1952 |
| B-7 | Dwight E. Erlick, A Study of the Intraserial Dependence of Brightness Matching Responses, October 27, 1952 |
| B-8 | William E. Kappauf, Jack Nygaard and Alan Strand, An Evaluation of Plotting Performance on "Reversed" Range and Bearing Grids, January 20, 1953 |
| B-9 | Paul Bakan and William E. Kappauf, Systematic Errors in Dial Reading as a Function of Dial Design and of Training, February 7, 1953 |
| B-10 | William E. Kappauf and M. Carr Payne, Constant errors in Interpolation Between Scale Marks, I, February 11, 1953 |
| B-11 | William E. Powe, A Note on the Origin of Some Systematic Errors in Reading Dials, February 18, 1953 |
| B-12 | M. Carr Payne, Constant Errors in Interpolation Between Scale Marks, II, February 27, 1953 |
| B-14 | W. F. Crowder, A Note on the Effect of Instructions on Scale Reading Errors, February 28, 1953 |


| C-1 | Raymond H. Burros, An Index of Skewness and a Test of its Significance, July 15, 1952 |
| C-3 | Lawrence M. Stolurow and Charles M. Solley, bibliography on Problem Solving, Reasoning, Thinking and Concept Formation, September 2, 1952 |
| C-4 | George R. Klare, Air Force Technical Training as a Problem in Communication: An Introductory Survey, October 1, 1952 |
| C-5 | George R. Klare, Levarl M. Gustafson and James E. Mabry, The Reading Interests of AirmenIndoctrination Trainees, October 15, 1952 |
| C-6 | Raymond H. Burros, Malcolm L. Gardner and Maxwell S. Pullen, Level of Abstraction of Static Visual Aid Accompanying a Technical Lecture, March 27, 1953 |
| C-7 | George R. Klare, James E. Mabry and Levarl M. Gustafson, The Relationship of Verbal Communication Variables to Immediate and Delayed Retention and to Acceptability |
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C-8 Lawrence M. Stolurow, Charles Hopkins and William Sawrey, Mechanical Disassembly - Assembly as a Function of Demonstration and Part - Name Learning, August 25, 1953

C-9 Lawrence M. Stolurow and Thomas F. Hodgson, A Digest of Interviews with Reciprocating Engine Mechanics about Trouble Shooting, October 5, 1953

C-10 G. R. Klare, J. E. Mabry and L. M. Gustafson, A Study of Response Set in Relation to Directions to Subjects, October 16, 1953

C-11 L. M. Stolurow, Charles Hopkins and William Sawrey, Mechanical Disassembly in Assembly as a Function of Listening to a Description and Watching a Demonstration, November 25, 1953


C-20 J. J. Wulff and L. M. Stolurow, The Role of Class - Descriptive Cues in Paired-Associate Learning, August 31, 1954

C-21 M. H. Detambel and L. M. Stolurow, Stimulus Sequence and Concept Learning, September 15, 1954


C-23 L. M. Stolurow and J. J. Wulff, The Relative Effectiveness of Two Sets of Substitutable Stimuli for Teaching Object Codes, September 17, 1954


C-27  L. M. Stolurow, C. M. Solley and W. Fisher, Problem Solving in Relation to Prior Probability Learning, August 31, 1955

C-28  L. M. Stolurow, B. O. Bergum, and J. T. Greene, The Use of Class Descriptive Cures to Facilitate Mediation Learning and Performance in Making Diagnostic Decisions, November 4, 1955

C-29  L. M. Stolurow, and J. T. Greene, Performance on a Second Task in Relation to Inter-Task Changes in Unique and Class-Descriptive Features of the Stimuli, November 21, 1955


C-31  L. M. Stolurow and B. O. Bergum, The Transfer Effects of Previous Experience Manifested Under Conditions of Association Reversal, November 28, 1955

C-32  L. M. Stolurow and B. O. Bergum, The Use of Diacritical Signs to Provide Response-Cue Classes, November 22, 1955


D-1  F. A. Muckler and W. G. Matheny, Transfer of Training in Tracking as a Function of Control Friction, July 1, 1952

D-2  Y. Takada, Critical Review of Psychological Researches Related to the Mathematical Theory of Communication and a Preliminary Investigation of the Applicability of the Theory to Psychological Data, August 1, 1952

D-3  F. A. Muckler, Transfer of Training in Tracking as a Function of Control Friction and Direction of Control Movement, August 15, 1952

D-4  L. I. O’Kelly and W. G. Matheny, A Survey of the Effects of Stress on the Performance of Pilots, April 1, 1953

D-5  M. L. Ritchie, The Skaggs-Robinson Hypothesis as an Artifact of Response Definition, May 25, 1953

D-6  W. G. Matheny, A. C. Williams, Jr., D. Daugherty and S. G. Hasler, The Effect on Varying Control Forces in the P-1 Trainer Upon Transfer of Training to the T-6 Aircraft, April 2, 1953

D-7  M. Adelson, A Method for Studying Human Tracking Behavior, April 5, 1953

D-8  Report Missing including correspondence file

D-9  J. D. Lyons and G. R. Grice, The Effect of Pressure Upon the Accuracy of a Simple Positioning Movement, October 1, 1953

D-10  M. L. Ritchie, Transfer of Training as a Function of Task Complexity, March 12, 1954

D-11  M. L. Ritchie and A. L. Michael, Transfer Between Instrument and Contact Flight Training,
September 30, 1953
D-13  A. C. Williams, Jr., and M. Adelson, A Variable Characteristic Simulator, November 15, 1953
D-14  F. A. Muckler, M. Adelson and A. C. Williams, Jr., Verbal Learning and Message Variable Related to Amount of Information, January 1, 1954
D-15  D. J. Daugherty, S. G. Hasler and W. G. Matheny, Comparisons of Flight Tasks Performed in the T-6 Aircraft and P-1 Trainer, September 30, 1953
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E-1   L. J. Cronbach and W. Hartmann, A Pilot Study on the Prediction of Compatibility Using Air Force Officer Candidates, September 15, 1953
E-2   I. Lazar, Interpersonal Perception - A Selected Review of the Literature, November 1, 1953
E-3   D. McBride, Crew Position in Bomber Crews As a Determinant of Sociometric Choice, July 28, 1954
E-4   W. A. Cleven, D. McBride and F. E. Fiedler, Similarity Between Persons as a Factor in Work Relations of B-29 Crew Members, August 19, 1954
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Box 2:

Report for Task F Prior to 12/22/51, The Effectiveness of Indoctrination During Basic Training
H-6   W. E. Kappauf, M. C. Payne, W. E. Powe, J. D. Davis, Performance Decrement in Relation to Task Difficulty, October 16, 1955
H-7   W. E. Kappauf and M. C. Payne, Jr., Intraserial Correlations in Brightness Matching Response: II, October 20, 1955
H-9   W. F. Crowder, An Automatic Brightness Discrimination Apparatus and the results of its Use in Some Preliminary Studies of Vigilance, November 25, 1955
H-12  C. G. McDiarmid, Individual Differences in Day-by-Day Vigilance When Stimuli are Infrequent, November 28, 1955
Final Report for Task H - Vigilance and Variability of Judgment During Protracted Observation, November 30, 1955
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  #12, March 1 - May 31, 1954
  #13, June 1 - August 31, 1954
  #14, September 1 - November 30, 1954
  #15, December 1, 1954 - February 28, 1955
  #16, March 1 - May 31, 1955
  #17, June 1 - August 31, 1955