

UNCLASSIFIED

AD NUMBER

ADB007210

LIMITATION CHANGES

TO:

Approved for public release; distribution is unlimited.

FROM:

Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; JUL 1975. Other requests shall be referred to Aeronautical Systems Division, Attn: ASD/YHCD, Wright-Patterson AFB, OH 45433.

AUTHORITY

ASD ltr, 11 Jul 1977

THIS PAGE IS UNCLASSIFIED

THIS REPORT HAS BEEN DELIMITED
AND CLEARED FOR PUBLIC RELEASE
UNDER DOD DIRECTIVE 5200.20 AND
NO RESTRICTIONS ARE IMPOSED UPON
ITS USE AND DISCLOSURE.

DISTRIBUTION STATEMENT A

APPROVED FOR PUBLIC RELEASE;
DISTRIBUTION UNLIMITED.

②

Calspan

Technical Report

ADB007210 ✓



AD No. _____
DDC FILE COPY

DDC
RECEIVED
OCT 29 1975
A



ACCESSION for

White Section

Buff Section

NTIS

DCC

UNANNOUNCED

JUSTIFICATION

BY DISTRIBUTION/AVAILABILITY GROUP

DIS. BY

13

2

2

Calspan

B-1 SYSTEMS APPROACH TO TRAINING
TECHNICAL MEMORANDUM SAT-1

FINAL REPORT
VOLUME 3

APPENDIX B: BIBLIOGRAPHY AND DATA COLLECTION TRIPS

JULY 1975

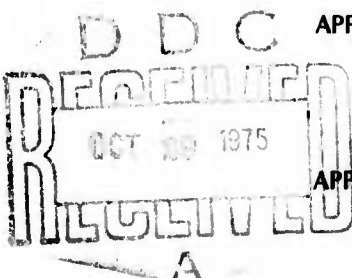
Distribution limited to U.S. Government Agencies only; test and evaluation; July 1975. Other requests for this document must be referred to B-1 System Program Office, ASD/YHCD, Wright-Patterson Air Force Base, Ohio, 45433.

CALSPAN REPORT
FE-5558-N-1 ✓

PREPARED BY: Andrea J. Blair
Andrea J. Blair

APPROVED BY: Robert C. Sugarman
Robert C. Sugarman
SAT Task Manager

APPROVED BY: D. Barry Dahm
D. Barry Dahm, Head
Environmental & Energy
Systems Department



APPROVED BY: Richard J. Taylor for
Robert C. Kigler
Program Manager
B-1 Technical Support Program

CALSPAN CORPORATION
CONTRACT NO. F33657-75-C-0021

Calspan Corporation
Buffalo, New York 14221

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO. Volume III.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) 6 B-1 Systems Approach to Training, Appendix B Bibliography and Data Collection Trips.	5. TYPE OF REPORT & PERIOD COVERED 9 Final Report. July 1974 - October 1975.	6. PERFORMING ORG. REPORT NUMBER SAT-1, Volume 3
7. AUTHOR(s) 10 Anndrea J./Blair	8. CONTRACT OR GRANT NUMBER(s) 15 F33657-75-C-0021	
9. PERFORMING ORGANIZATION NAME AND ADDRESS Calspan Corporation P. O. Box 235 Buffalo, New York 14221	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS 12 68 p.	
11. CONTROLLING OFFICE NAME AND ADDRESS Aeronautical Systems Division B-1 Systems Project Office Wright-Patterson Air Force Base, OH 45433	12. REPORT DATE 11 JULY 1975	13. NUMBER OF PAGES 67
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) 14 CALSPAN-FE-5558-N-1-Vol-3, CALSPAN-TM-SAT-1-Vol-3	15. SECURITY CLASS. (of this report) Unclassified	15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Distribution limited to U. S. Government Agencies only: test and evaluation; July 1975. Other requests for this document must be referred to B-1 System Program Office, ASD/YHCD, Wright-Patterson Air Force Base, Ohio 45433.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Instructional Systems Development Systems Approach to Training B-1 (AD-B006 8964).		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This Appendix consists of two bibliographies and a listing of significant technical meetings for B-1 SAT data collection. The first bibliography lists resources used in the preparation of the Simulation Technology Assessment Report (STAR), Technical Memorandum SAT-3. The second bibliography is a list of source material compiled in the Calspan SAT library which was not referenced in the STAR. The listing of technical meetings is compiled in chronological order, and indicates participants other than Calspan personnel.		

DN

PREFACE

This document is one of several technical memoranda which have been delivered to the B-1 Systems Project Office (B-1 SPO) in performance of the Systems Approach to Training (SAT) Task under Contract Number F33657-75-C-0021. Each of the separate SAT documents is listed below. Additional copies may be requested from: B-1 Systems Project Office, Data Configuration Division, Wright-Patterson Air Force Base, Ohio.

<u>Technical Memoranda</u>	<u>Number</u>	<u>Author(s)</u>	<u>Date</u>
B-1 Systems Approach to Training, Final Report.	SAT- 1 Vol. 1	R. Sugarman S. Johnson W. Ring	July 1975
B-1 Systems Approach to Training, Final Report. Appendix A: Cost Details.	SAT- 1 Vol. 2	H. Reif W. Ring	July 1975
B-1 Systems Approach to Training, Final Report. Appendix B: Bibliography and Data Collection Trips.	SAT- 1 Vol. 3	A. Blair	July 1975
Behavioral Objectives for the Pilot, Copilot, and Offensive Systems Operator.	SAT- 2 Vol. 1 & 2	J. Mitchell W. Hinton S. Johnson	July 1975
Simulation Technology Assessment Report (STAR). <i>Book 896</i>	SAT- 3	S. Johnson J. Knight R. Sugarman	July 1975
Sorting Model for B-1 Aircrew Training Data. User's and Programmer's Guide.	SAT- 4	J. Menig T. Ranney	July 1975
Training Resources Analytic Model (TRAM). User's Manual.	SAT- 5	W. Ring G. Gaidasz J. Menig W. Stortz	July 1975
Training Resources Analytic Model (TRAM). Programmer's Manual.	SAT- 6	W. Ring G. Gaidasz J. Menig	July 1975
Task Analysis Listings.	SAT- 7	J. Mitchell T. Ranney	July 1975
Control/Display Catalog and Action Verb Thesaurus.	SAT- 8	T. Ranney A. Blair	July 1975

CALSPAN CORPORATION

JULY 1975
SAT-1
VOL. 3

BIBLIOGRAPHY AND DATA COLLECTION TRIPS

Anndrea J. Blair

INTRODUCTION AND SUMMARY

This Appendix consists of two bibliographies and a listing of significant technical meetings for B-1 SAT data collection. The first bibliography lists resources used in the preparation of the Simulation Technology Assessment Report (STAR), Technical Memorandum SAT-3. The second bibliography is a list of source material compiled in the Calspan SAT library which was not referenced in the STAR. The listing of technical meetings is compiled in chronological order, and indicates participants other than Calspan personnel.

TABLE OF CONTENTS

	<u>PAGE</u>
STAR Bibliography	1
SAT Library Bibliography	30
Listing of Technical Meetings	60

STAR
BIBLIOGRAPHY

- Adams, J.A., Some Considerations in the Design and Use of Dynamic Flight Simulators. In Sinaiko, H.W. (Ed.) Selected Papers on Human Factors in the Design and Use of Control Systems, New York: Dover Publications, Inc. 1961. Also Research Report AFPTRC-TN-57-51, Air Force Personnel and Training Research Center, Lackland Air Force Base, Texas, April 1957.
- Adams, J.A., Research and the Future of Engineering Psychology, *American Psychologist*, 1972, 27 (7), 615-622.
- Adams, J.A., and Hufford, L.E., Effects of Programmed Perceptual Training on the Learning of Contact Landing Skills, Navy, Naval Training Device Center, Technical Report NAVTRADEVCECEN 297-3, 28 April 1961.
- Adams, J.A., Hufford, L.E., and Dunlop, J.M., Part Versus Whole-Task Learning of a Flight Maneuver, Navy, Naval Training Device Center, Technical Report NAVTRADEVCECEN 297-1, 21 June 1960. (AD 242 580)
- AIAA Visual and Motion Simulation Conference, September 10-12, 1973, NASA Ames Research Center, Moffett Field, California, AIAA Bulletin, October 1973, 10, 10, 346-354.
- Air Force Institute of Technology, Proceedings of the Sixth Annual Conference on Manual Control, Wright-Patterson Air Force Base, Ohio, April 7-9, 1970.
- Aldrich, T.B., Proceedings of the Annual Symposium on Psychology in the Air Force (2nd) held at the Air Force Academy 20-22 April 1971, Air Force Academy Research Report 71-12, April 1971. (AD 755 896)
- Anderson, D.O., and Hagin, W.V., What's New on the Training Horizon, Air Force Human Resources Laboratory, Report AFHRL-TR-71-36, March 1971. (AD 727 009)
- Armstrong, B.D., Flight Trials to Discover Whether Peripheral Vision is Needed for Landing, Royal Aircraft Establishment Technical Report 70205, November 1970. (AD 724 009)
- Aronson, M., A New Approach to the Evaluation of Visual Attachments to Flight Simulators, In Man-The Focus of the Training System, Proceedings of the Naval Training Equipment Center and Industry Conference, held on 13-15 November 1973 (AD 768 756).
- Aronson, M., Rationale for Aviation Wide-Angle Visual System, in Naval Training Equipment Center/Industry Conference Proceedings, Training Economy Through Simulation, 19-21 November 1974, Orlando, Florida.
- Bahrick, H.P., An Analysis of Stimulus Variables Influencing the Proprioceptive Control of Movements, Air Force, Personnel and Training Research Center, Technical Note 58-11, August 8, 1958, (AD 152 129) Reprinted from Psychological Review, 1957, 64, 5, 324-328.

Bark, M., and Edelson, K.E., et al., Design Study Report for a Multiple Trainee Station Air Navigator Trainer, Honeywell, Inc., W. Covina, California, for Naval Training Device Center. Report NAVTRADEVCCEN 68-C-0308-1, January 1969 (AS 856 444).

Basinger, J.D., An Approach to Computer Image Generator For Visual Simulation, Paper presented at the AIAA Visual and Motion Simulation Conference, Palo Alto, California, 10-12 September 1973, Paper Number 73-928.

Bergeron, H.P., Investigation of Motion Requirements in Compensatory Control Tasks, IEEE Transactions on Man-Machine Systems, June 1970, MMS-11, 2, 123-125.

Bergeron, H.P., and Adams, J.A., Measured Transfer Functions of Pilots During Two-Axis Tasks With Motion, National Aeronautics and Space Administration, Langley, NASA-TN-D-2177, 1964.

Bernstein, B.R., and Gonzalez, B., Learning, Retention and Transfer, Volume II, Appendix B: L, R, and T Technical Meetings Report, Honeywell, Inc., St. Paul, Minnesota for Naval Training Device Center, Report NAVTRADEVCCEN-68-C-0215-1, February 1971, (AD 724 790).

Bernstein, B.R., and Gonzalez, B.K., Learning, Retention and Transfer in Military Training, Honeywell, Inc., St. Paul, Minnesota, for Naval Training Device Center Report NAVTRADEVCCEN-69-C-0253-1, September 1971, (AD 733 964).

Blaiwes, A.S., Puig, J.A., and Regan, J.J., Transfer of Training and the Measurement of Training Effectiveness, Human Factors, December 1973, 15, 6, 523-533.

Blaiwes, A.S., and Regan, J.J., An Integrated Approach to the Study of Learning, Retention, and Transfer - A Key Issue in Training Device Research and Development, Human Factors Laboratory, Report NAVTRADEVCCEN 1H-178, August 1970, (AD 712 096).

Bliss, W.D., Visual Simulation and Image Interpretation, Naval Training Device Center, Orlando, Florida, Report NAVTRADEVCCEN-1H-153, April 1969, (AD 856 929).

Boatwright, V.T., Jr., Dry Land Submarines, In Naval Training Device Center's 25th Anniversary Commenarative Technical Journal, November 1971.

Borlace, F., Flight Simulator Motion, Its Enhancement and Potential for Flight Crew Training, In SAE Conference Proceedings, Third International Simulation and Training Conference, held in New York City, 24-27 April 1967 (p-15).

Bray, R.S., Experiences with Visual Simulation in Landing and Take-Off Research, North Atlantic Treaty Organization, AGARD--R-99, 1964.

Bray, R.S., A Study of Vertical Motion Requirements for Landing Simulation, Human Factors, December 1973, 15, 6 561-568.

Bray, R.S., Drinkwater, F.J., III, and Fry, E.B., The Influence of Motion on the Effectiveness of Flight Simulators in Training Maneuvers, In NASA Aircraft Safety and Operating Problems, Volume 1, A conference held at Langley Research Center, Hampton, Virginia, 4-6 May 1971.

Brecke, F.H., and Gerlach, V.S., Cues, Feedback, and Transfer in Undergraduate Pilot Training, Air Force, Office of Scientific Research, Report AFOSR-TR-73-2331, 16 October 1973, (AD 777 279).

Brissender, R.F., Using Simulation for Research And Using Research to Develop Valid Simulation Techniques, In SAE Conference Proceedings, Third International Simulation and Training Conference, held in New York City, 24-27 April 1967, (P-15).

Brown, C.E., and Grant, A.J., Digital Radar Landmass Simulation, Navy, Naval Training Equipment Center, Report NAVTRAEQUIPC-1H-196, February 1973, (AD 758 363).

Brown, E.L., Matheny, W.G., and Flexman, R.E., Evaluation of the School Link as an Aid in Teaching Ground Reference Maneuvers, (Human Engineering Systems Studies), University of Illinois, Urbana, for the Special Devices Center, Report SDC-71-16-7, December 1950, (AD 657 473).

Brown, J.L., and Collins, C.C., Air-To-Air Tracking During Closed-Loop Centrifuge Tracking, J. Aviation Med., 1958, 29, 794-804.

Browning, R.F., Copeland, D.R. and Lauber, J.K., Training Analysis of a P-3 Replacement Pilot Training, Navy, Naval Training Equipment Center, Report NAVTRAEQUIPCEN TAEG Report 5, 1972, (AD 777 428).

Browning, R.F., Ryan, L.E., and Scott, P.G., Training Analysis of P-3 Replacement Pilot and Flight Engineer Training, Navy, Training Analysis and Evaluation Group, Report TAEG 10, December 1973, (AD 773 745).

Buddenhagen, T.F., Johnson, A.B., Stephan, S.C.. and Wolpin, M.P., Development of Visual Simulation Techniques for Astronautical Flight Training, Vol. I, High Resolution Television; Electronic Planetarium, Behavioral Sciences Laboratory, AFSC, WPAFB Report No. AMRL-TDR-63-54, June 1963.

Buddenhagen, T.F., and Wolpin, M.P., A Study of Visual Simulation Techniques for Astronautical Flight Training, Wright-Patterson AFB, Aerospace Medical Laboratory, WADD Tech. Report, 60-756, 1961.

Bugelski, B.R., The Psychology of Learning Applied to Teaching, New York: Bobbs-Merrill Co., Inc., 1971.

Bunker, W.M., Image Quality Improvement in Computed Visual Scene Simulation, in Man-The Focus of the Training System, Proceedings of the Naval Training Equipment Center and Industry Conference, held on 13-15 November 1973, (AD 768 756).

Bunker, W.M., Correlated Displays for Training - One Step Closer to the Real World, in Naval Training Equipment Center/Industry Conference Proceedings, Training Economy Through Simulation, 19-21 November 1974, Orlando, Florida.

Burrows, A.A., Brown, E.L. and Stone, G., Some Current and Future Aspects of the Part-Task Trainer, in Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971

Calvert, E.S., Visual Aids and Their Effect on Landing Success, Royal Aircraft Establishment, Farnborough, Great Britain, Report No. EL 1486, October 1955, (AD 91-860).

Caro, P.W., Equipment-Device Task Commonality Analysis and Transfer of Training, Human Resources Research Organization, Technical Report 70-7, June 1970.

Caro, P.W., An Innovative Instrument Flight Training Program, Paper presented at Society of Automotive Engineers Fourth International Simulation and Training Conference, Atlanta, Georgia, 13 May 1971. SAE Technical Paper 710480, also HUMRRO Report HUMRRO-PP-16-71, (ED 057 359).

Caro, P.W., Aircraft Simulators and Pilot Training, Human Factors, December 1973, 15, 6, 502-509.

Caro, P.W., Hall, E.R., Design and Procurement Bases for Coast Guard Aircraft Simulators, Human Resources Research Organization Report HUMRRO-TR-69-103, December 1969, (AD 708 209).

Caro, P.W., Jr., Isley, R.N., and Jolley, O.B., The Captive Helicopter as a Training Device: Experimental Evaluation of a Concept, George Washington University, Alexandria, Virginia, Report HUMRRO-TR-68-9, June 1968, (AD 673 436).

Caro, P.W., Jolley, O.B., Isley, R.N., and Wright, R.H., Determining Training Device Requirements in Fixed Wing Aviator Training, Human Resources Research Organization Technical Report HUMRRO-TR-72-11, April 1972 (ED 064 593).

Caro, P.W., and Prophet, W.W., Variables in Transfer of Training: Devices and Programs, in Man-The Focus of the Training System, Proceedings of the Naval Training Equipment Center and Industry Conference, held on 13-15 November 1973, (AD 768 756).

Chapman, C.C., An Experimental Assessment of a Ground Pilot Trainer in General Aviation, Ohio State University, Federal Aviation Agency, Report FAA-ADS-63, February 1966, (AD 653 736).

Charles, J.P., and Johnson, R.M., Automated Training Evaluation (ATE), Final Report Logicon, Inc., San Diego, Report NAVTRADEV-CEN-70-C-0132-1, January 1972, (ED 061 710).

Charles, J.P., Johnson, R.M., and Swink, J.R., Automated Flight Training (AFT) Instrument Flight Maneuvers, Logicon, Inc., San Diego, Report NAVTRAEQUIPC-71-C-0205-1, February 1973, (AD 759 366).

Chase, W.D., Piloted Simulator Display System Evaluation-Effective Resolution and Pilot Performance in the Landing Approach, in Third Annual NASA-University Conference on Manual Control, held at University of Southern California, 1-3 March 1967, NASA Special Publication 144, 1967.

Chase, W.D., Evaluation of Several TV Display System Configurations for Visual Simulation of the Landing Approach, IEEE Transactions on Man-Machine Systems, September 1970, MMS-11, 3, 140-149, also, NASA Technical Note D-6274, March 1971.

Chase, W.D., Vehicle Simulator Binocular Multiplanar Visual Display System, NASA-Ames Research Center Invention, NASA Case ARC-10808-1, Serial 505, 881, Filed 13 September 1974, (N74 32718).

Chea, F., Experimental Model Visual Display for Ship Handling Trainers, Navy, Naval Training Equipment Center, Report NAVTRAEQUIPCEN-1H-199, November 1972, (AD 753 213).

Clark, B., Visual Space Perception is Influenced by Unusual Vestibular Stimulation, in Human Factors, 5, 1963, pp. 265-274.

Clark, B. Thresholds for the Perception of Angular Acceleration in Man, in Aerospace Medicine, Vol. 38, No. 5, May 1967, pp. 443-450.

Clark, B., and Stewart, J.D., Perception of Angular Acceleration About the Yaw Axis of a Flight Simulator-Thresholds and Reaction Latency for Research Pilots, Aerospace Medicine, December 1962, 1426-1432.

Clark, B., The Vestibular System, Annual Review of Psychology, 21, 273-306, 1970.

Cohen, E., Is Motion Needed in Flight Simulators Used for Training?, Human Factors, February 1970, 12, 1, 75-80.

Cohen, E., How Much Motion is Really Needed in Flight Simulators?, Paper presented at the Society of Automotive Engineers, Fourth International Simulation and Training Conference, Atlanta, Georgia, 13 May 1971, SAE Technical Paper 710488.

Cohen, E., Woodson, R.A., MacKinnon, D.D., and French, H.W., Day-Night Visual Simulator Trainer Attachment Type, SMK-23/F37A-T (prototype), Technical Report SEG-TR-67-10, Systems Engineering Group, Research and Technology Division, Air Force Systems Command, WPAFB, 1967.

Collins, W.E., Adaptation to Vestibular Disorientation, XII, Habitation of Vestibular Responses: An Overview, Federal Aviation Administration, Report FAA-AM-74-3, March 1974, (AD 780 562).

Connelly, E.M., Schuler, A.R., and Knoop, P.A., Study of Adaptive Mathematical Models for Deriving Automated Pilot Performance Measurement Techniques, Vol. 1, Model Development, Air Force, Human Resources Laboratory, Report AFHRL-TR-69-7, Volume 1, October 1969, (AD 704 597).

Connelly, E.M., Schuler, A.R., and Knoop, P.A., Study of Adaptive Mathematical Models for Deriving Automated Pilot Performance Measurement Techniques, Vol. 11, Appendices, Air Force, Human Resources Laboratory, Report AFHRL-TR-69-7, Vol. 11, October 1969, (AD 704 115).

Connelly, E.M., Schuler, A.R., Bourne, F.J., and Knoop, P.A., Application of Adaptive Mathematical Models to a T-37 Pilot Performance Measurement Problem, Air Force, Human Resources Laboratory, Report AFHRL-TR-70-45, March 1971, (AD 726 632).

Conrad, B., and Schmidt, S.F., A Study of Techniques for Calculating Motion Drive Signals for Flight Simulators, NASA Contractor Report CR-114345, July 1971.

Conrad, B., Schmidt, S.F., and Douvillier, J.G., Washout Circuit Design for Multi-Degrees-of-Freedom Moving Base Simulators, Paper presented at the AIAA Visual and Motion Simulation Conference, Palo Alto, California, 10-12 September 1973, AIAA Paper 73-929.

Cooksey, J.A., and Tong, H.M., A Compound Wide Angle Color Visual Display System and a High Resolution, High Sensitivity Close Circuit Color Television Camera Developed for Wide Angle Color Visual Systems, Paper presented at the AIAA Visual and Motion Simulation Conference, Palo Alto, California, 10-12 September 1973, AIAA Paper 73-925.

Corkindale, K.G., and Benson, A.J., Physiological and Psychological Factors Influencing Vehicle Simulation, in J.M. Rolfe Vehicle Simulation for Training and Research, RAF Institute of Aviation Medicine, Farnborough Heights, England IAM Report No. 422, 1968.

Cox, J.A., Wood, R.O., Jr., Boren, L.M., Thorne, H.W., Functional and Appearance Fidelity of Training Devices for Fixed-Procedures Tasks, Human Resources Research Organization, Fort Bliss, Texas, HUMRRO Technical Report 65-4, June 1965, (AD 617 767)

Crawford, M.P., HUMRRO Research in Training Technology, Human Resources Research Organization Professional Paper 21-70, June 1970, (ED 048 527).

Cream, B.W., A Functional Integrated Systems Trainer For Individual and Crew Coordination Training, Proceedings of the Fourth Annual Symposium on Psychology in the Air Force, 1974.

Creelman, J.A., Evaluation of Approach Training Procedures, U.S. Naval School of Aviation Med., Proj. No. NM001-109-107, Report #2, 1955.

Crook, Mason, Report of Results of Learning Studies with Mark 18 Coordination Trainer Device 3-A-40, Tufts College, Medford, Massachusetts, for Institute for Psychological Research Report SPECDEVGEN 58-1-2, August 1946, (AD 657 485).

- Crook, W.G., Experimental Assessment of Ground Trainers in General Aviation Pilot Training, Federal Aviation Administration, Report FAA-ADS-67-5, April 1967, (AD 652 371).
- Crook, W.G., Development of Low-Cost Cockpit/Outside Time Sharing Training Equipment, Federal Aviation Administration Report FAA-RD-72-95, November 1972, (AD 753 924).
- Danneskoild, R.D., Objective Scoring Procedure for Operational Flight Trainer Performance, The Psychological Corporation, New York, for Special Devices Center, Report SPECDEVCEEN 999-2-4, February 1955, (AD 110 925).
- Davis, O., and Beadsmoore, E.J., A Military View of Flight Simulation, Two-Day Symposium on Flight Training Simulators for the 70's, The Royal Aeronautical Society, London, October 1970.
- Demaree, R.G., Norman, D.A., And Mathery, W.G., An Experimental Program for Relating Transfer of Training to Pilot Performance, and Degree of Simulation, Navy, Naval Training Device Center, Technical Report NAVTRADEVCEEN 1388-1, June 1965.
- Dichgans, J. and Brandt, T., Visual Vestibular Interaction and Motion Perception, in Cerebral Control of Eye Movements and Motion Perception, J. Dichgans and E. Bizzi (eds.), New York: S. Karga, 1972.
- Dichgans, J., Held, R., Young, L.R., and Brandt, T., Moving Visual Scenes Influence the Apparent Direction of Gravity, Science, 15 December 1972, 178, 1217-1219.
- Dinsdale, P.B., Relative Effects of Roll and Yaw Motion Cues in Manual Control, Massachusetts Institute of Technology, S.M. Thesis, Report MVT-68-4, September 1968.
- Dougherty, D.J. Houston, R.C., and Nicklas, D.R., Transfer of Training in Flight Procedures From Selected Ground Training Devices to the Aircraft, University of Illinois, Urbana, Illinois, Report NAVTRADEVCEEN 71-16-16, September 1957, (AD 149 547).
- Douvillier, J.G., Turner, H.L., McLean, J.D., and Heinle, D.R., Effects of Flight Simulator Motion on Pilot's Performance of a Tracking-Task, NASA-TN-D-143, 1960.
- Dowd, P.J., A Proposed Spatial Orientation Flight Training Concept, Aerospace Medicine, July 1974, 758-765. (AD 783 155).
- Dreves, R.G., Pomeroy, R.R., and Vass, H.A., The History of Training Devices at the Naval Training Device Center, in Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.
- Driskell, C.R., Capabilities in Wide Angle Visual Technology, NAVTRAEQUIP-IH-237, 1974.

Dust, D.O., Color Closed-Circuit Television As A Means of Providing Visual Cues in Simulation, NASA Ames Research Center, Paper presented at AIAA Visual and Motion Simulation Technology Conference, Cape Canaveral, Florida, 16-18 March 1970, (Paper 70-347).

Ebeling, W.C., A New Approach to Visual Simulation, presented at AIAA 2nd Flight Test Simulation and Support Conference, Los Angeles, California, March 25-27, 1968, AIAA Paper 68-255.

Ellis, N.C., Lowes, A.L. Matheny, W.G., and Norman, D.A., Pilot Performance, Transfer of Training and Degree of Simulation: III, Performance of Non-Jet Experienced Pilots Versus Simulation Fidelity, Navy, Naval Training Device Center, Technical Report NAVTRADEVCE 67-C-0034-1, August 1968.

Ellis, N.C., Lowes, A.L., Matheny, W.G., and Norman, D.A., The Feasibility of Using an Adaptive Technique in Flight Simulator Training, Ergonomics, 1971, 14, 3, 381-390.

Ellis, W.H.B., and Allan, R.M., Pilot's Eye Movements During Visual Approaches and Landings, Royal New Zealand Air Force, Flying Personnel Research Committee Report 888, September 1954, (CONFIDENTIAL)

Elsom, E.R., Problems in Simulated Flight Training for Pilots, Aviation Psychological Research Reports of the 5th Conference for Aviation Psychology, Bab Godesberg, September 17-20, 1963.

Entwistle, R.J., and Dillard, J., Advances in Optical Memories for Sensor Simulation, in Naval Training Equipment Center/Industry Conference Proceedings, Training Economy Through Simulation, 19-21 November 1974, Orlando, Florida.

Erickson, H.W., Simpson, D.W., and Stark, E.A., Naval Pilot Training System Study, Volume 1, Basic Report, Navy, Naval Training Equipment Center, Report NAVTRAEQUIPC-72-C-0041-1-V, December 1972, (AD 756 638).

Erickson, H.W., Naval Pilot Training System Study, Volume III, Executive Summary, Singer Company, Binghamton, New York, Report NAVTRAEQUIPCEN-72-C-0049-1, December 1972, (AD 756 640).

Erickson, H.W., Naval Pilot Training System Study, Volume II, Appendices A, B, C, and D, Singer Company, Binghamton, New York, Report NAVTRAEQUIPCEN-72-C-0049-1, December 1972, (AD 756 639).

Faconti, V., Mortimer, C.P.L., and Simpson, D.W., Automated Instruction and Performance Monitoring in Flight Simulator Training, Air Force, Human Resources Laboratory Technical Report AFHRL-TR-69, 29, February 1970.

Feddersen, W.E., The Role of Motion Information and its Contribution to Simulation Validity. Bell Helicopter Company for Army-Navy Instrumentation Program. Report D228-429-001, April 1962. (AD 281 855).

Ferrarese, J.A., Assessment of New Training Systems as Substitutes for Airborne Training. Paper presented at the Society of Automotive Engineers Fourth International Simulation and Training Conference, Atlanta, Georgia, 13 Ma 1971. SAE Technical Paper 710476.

Feuge, R.L., Charles, J.P., and Miller, R. Feasibility of Automated Adoptive GCA (ground controlled approach) Controller Training System. Logicon, Inc. Report NAVTRAEQUIPCEN 73-C-0079-1, April 1974. (AD 778 312).

Finely, D.L., Rheinlander, T.W., Thompson, E.A., and Sullivan, D.J. Training Effectiveness Evaluation of Naval Training Devices. Part 1. A Study of the Effectiveness of a Carrier Air Traffic Control Center Training Device. Bunker Ramo Electronic Systems Division, Westlake Village, California. Report NAVTRAEQUIPCEN 70-C-0258-1, August 1972. (AD 751 556).

Flexman, R.E. Synthetic Flight Training System (SFTS) Concept Formulation Report. General Precision Systems, Inc., Silver Spring, Maryland. Report NAVTRADEVCCEN-68-C-0106-1, July 1968. (AD 675 506).

Flexman, R.E., Townsend, J.C., and Ornstein, G.N. Evaluation of a Contact Flight Simulator When Used in an Air Force Primary Pilot Training Program. Part 1. Overall Effectiveness. Air Force Personnel and Training Research Center Technical Report 54-38, 1954. (AD 53-730).

Folley, J.D., Jr. Analyzing the Training Problem. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.

Fortenbaugh, R.L. The R&D Simulator: A "New" T&E Tool. Naval Air Development Center, Warminster, Pennsylvania, 1974.

Fraser, T.M. Philosophy of Simulation in a Man-Machine Space Mission System, NASA SP-102, Washington, D.C., 1966.

Fry, E.B., Greif, R.K., and Gerdes, R.M. Use of a Six-Degrees-of-Freedom Motion Simulator for VTOL Hovering Tasks. NASA, Ames Research Center, California. NASA Technical Note D-5383, August 1969.

Fulgham, D.D., and McLeod, I.N. The Formation Flight Trainer: An Application of Simulated Techniques. In Man-The Focus of the Training System. Proceedings of the Naval Training Equipment Center and Industry Conference, held on 13-15 November 1973. (AD 768 756).

Fulgham, D.D., Reid, G.B., Wood, M.E., and McLeod, I.N. Design and Application of a Part-Task Trainer to Teach Formation Flying in USAF Undergraduate Pilot Training. Paper presented at the AIAA Visual and Motion Simulation Conference, Palo Alto, California, 10-12 September 1972. AIAA Paper 73-935.

Gabriel, R.F., Burrows, A.A., and Abbott, P.E., Using a Generalized Contact Flight Simulator to Improve Visual Time-Sharing. Navy, Naval Training Device Center, Technical Report NAVTRADEVCCEN 1428-1, April 1965. (AD 619 047).

Gabriel, R.F., Creamer, L.R., Carpenter, D.L. and Burrows, A.A., Crew Performance as a Function of Flight Duration (Fatigue) in an Operational Simulator. 40th Annual Meeting, Aerospace Medical Assoc., San Francisco, Calif., May 5-8, 1969.

Gagné, R.M., Training Devices and Simulators: Some Research Issues. American Psychologist, 1954, 9, 95-107.

Gagné, R.M. Foster, H., and Crowley, M.E., The Measurement of Transfer of Training. Connecticut College, New London, Connecticut. Report SPECDEVCECEN 316-1-1, September 1947. (AD 641 582).

Ganzler, B.C., Virtual Image Display for Flight Simulation. NASA Ames Research Center, Moffett Field, California. NASA Technical Memorandum X-2327, July 1971.

Gardlin, G.R., and Sittley, T.E., Degradation of Learned Skills. A Review and Annotated Bibliography. Boeing Company, Seattle, Washington. NASA CR-128611, June 1972. (N73-10152).

Gash, J.A., and Hayworth, D.R., Communication and Navigation Trainer, Device 1D23. In Naval Training Equipment Center/Industry Conference Proceedings, Training Economy Through Simulation, 19-21 November 1974, Orlando, Florida.

General Electric. Experimental Radar Prediction Device. No date.

General Electric Company, Daytona Beach, Florida. Trainer, Communication, and Navigation Device 1D23, Trainer Configuration Report. For Naval Training Device Center, Report NAVTRADEVCECEN 71-C-0197-1, December 1971. (LD 001467).

General Electric, Space Division. Communication and Navigator Trainer, Device 1D23. No date.

Gerathewahe, S.J., Fidelity of Simulation and Transfer of Training: A Review of the Problem. Federal Aviation Administration, Washington, D.C. Report FAA-AM-69-24, December 1969. (AD 706 744).

Gibino, D.J., Effects of Presence or Absence of Cockpit Motion in Instrument Flight Trainers and Flight Simulators. Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio. Technical Report ASD-TR-68-24, June 1968.

Gibson, J.J., Motion Picture Testing and Research. Army Air Forces Aviation Psychology Program, Research Report 7, 1947. (AD 651 783).

Gibson, J.J., The Senses Considered as Perceptual Systems. N.Y.: Houghton Mifflin Co., 1966.

- Gold, T., Visual Perception of Pilots in Carrier Landing. Paper presented at the AIAA Visual and Motion Simulation Conference, Palo Alto, California, 10-12 September 1973. AIAA Paper 73-917.
- Green, D.M. and Swets, J.A., Signal Detection Theory and Psychophysics. New York: Wiley, 1966.
- Greening, C.P., Target Acquisition Model Evaluation. Final Summary Report. Naval Weapons Center NWC-TP-5536. June 1973.
- Griffiths, W.E.B., Review of the Current Policy of the United Kingdom for the Use of Flight Simulators in Flight Crew Training and Checking. In SAE Conference Proceedings, Third International Simulation and Training Conference, held in New York City, 24-27 April 1967. (P-15).
- Grimsley, D.L., Acquisition, Retention, and Retraining: Effects of High and Low Fidelity in Training Devices. Human Resources Research Organization, Technical Report 69-1, February 1969. (AD 685 074).
- Grimsley, D.L., Acquisition, Retention, and Retraining: Group Studies on Using Low Fidelity Training Devices. Human Resources Research Office, Technical Report 69-4, March 1969. (AD 686 741).
- Guercio, J.G. and Wall, R.L., Congruent and Spurious Motion in the Learning and Performance of a Compensatory Tracking Task. Human Factors, 1972, 14, 259-269.
- Gurnee, H., The Effect of a Visual Stimulus Upon the Perception of Bodily Motion. Amer. J. of Psychology, 1931, 43, 26-48.
- Haas, R.L., An Engineering Flight Simulation Visual Display System. Paper presented at the AIAA Visual and Motion Simulation Conference, Palo Alto, California, 10-12 September 1973. AIAA Paper 73-924.
- Haas, R.L., Hatz, H.E., and Mills, G.R., The Large Amplitude Multi-Mode Aerospace Research (LAMAR) Simulator. Paper presented at the AIAA Visual and Motion Simulation Conference, Palo Alto, California, 10-12 September 1973. AIAA Paper 73-922.
- Hagin, H.V., Smith, J.F., Advanced Simulation in Undergraduate Pilot Training (ASUPT) Facility Utilization Plan. Air Force, Human Resources Laboratory, Report AFHRL-TR-74-43, June 1974. (AD 786 411).
- Hall, E.R., Parker, J.F., Jr., and Meyer, D.E., A Study of Air Force Flight Simulator Programs. Aerospace Medical Research Laboratories, Wright-Patterson Air Force Base, Ohio. Report AMRL-TR-67-111, June 1967.
- Hall, E.R., and Caro, P.W., Systems Engineering of Coast Guard Aviator Training. Human Resources Research Organization, Alexandria, Virginia. Report HumRRO-17-71, August 1971. (ED 058 544)

Hamilton, R.J., Retroactive Facilitation as a Function of Degree of Generalization Between Tasks. J. Exper. Psychol., 1943, 32, 363-376.

Hammell, T.J., Gosteyer, C.D., Pesch, A.J., Advanced Officer Tactics Training Device Needs and Performance Measurement Technique. Volume I. General Dynamics, Groton, Connecticut, for Naval Training Equipment Center. Report NAVTRAEQUIPCEN 72-C-0053-1, November 1973. (AD 922 929).

Hammell, T.J., Sroka, F.P., and Allen, F.L., Study of Training Device Needs for Meeting Basic Officer Tactics Training Requirements. General Dynamics Groton, Connecticut. Technical Report NAVTRADEVCCEN 69-C-0140-1, March 1971. Volume I. (AD 726 428).

Hammell, T.J., and Pesch, A.J., Basic and Advanced Submarine Officer's Tactical Training Device Requirements. General Dynamics Corporation, Report NAVTRAEQUIPCEN 72-C-0053-1 (A), April 1974. (AD 780 778).

Hammerton, M., Measures for the Efficiency of Simulators as Training Devices. Ergonomics, 1967, 10, 63-66.

Haselwood, S., and Monroe, R., GDC/EOSS: Real-Time Visual and Motion Simulators for Evaluation of Fire Control and Electro-Optical Guidance Systems. Paper presented at the AIAA Visual and Motion Simulation Conference, Palo Alto, California, 10-12 September 1973. AIAA Paper 73-919.

Havron, M.D., Information Available from Natural Cues During Final Approach and Landing. Human Sciences Res., Inc. Report HSR-RR-62/3-MK-X March, 1962.

Havron, M.D., and Butler, L.F., Evaluation of Training Effectiveness of the 2-FH-2 Helicopter Flight Trainer Research Tool. NTDC, Port Washington, NAVTRADEVCCEN 1915-00-1, 1957.

Healy, L.D., and Cooper, F.R., Verification of Simulator Performance by Frequency Response Measurement. In Man - The Focus of the Training System. Proceedings of the Naval Training Equipment Center and Industry Conference, held on 13-15 November 1973. (AD 768 756).

Heintzman, R.J., Basinger, J.D., and Doty, A.B., Optical Mosaics for Large Field Visual Simulation Display Systems. Paper presented at the AIAA Visual and Motion Simulation Conference, Palo Alto, California, 10-12 September 1973. AIAA Paper 73-926.

Hewett, M.D., Galloway, R.T., and Murray, J.C., On Improving the Flight Fidelity of Operation Flight/Weapons System Trainers. In Naval Training Equipment Center/Industry Conference Proceedings Training Economy Through Simulation, 19-21 November 1974. Orlando, Florida.

Hill, J.W., and Goebel, R.A., Development of Automated GAT-1 Performance Measures. Stanford Research Institute, Menlo Park, California. Report AFHRL-TR-71-18, May 1971. (AD 732 616).

- Hock, E.A., A Visual Display System Approach for an Advanced Spaceflight Simulator. Paper presented at the AIAA Visual and Motion Simulation Conference. Palo Alto, California, 10-12 September 1973. AIAA Paper 73-925.
- Howard, I.P., and Templeton, W.B., Human Spatial Orientation. London, John Wiley & Sons, 1966.
- Hufford, L.E., Adams, J.A., The Contribution of Part-Task Training to the Relearning of a Flight Maneuver. Navy, Naval Training Device Center, Technical Report NAVTRADEVGEN 297-2, 22 March 1961. (AD 259 505)
- Human Resources Research Organization. Bibliography of Publications. As of 30 June 1971. September 1971.
- Isley, R.N., Caro, P.W., Jr., Evaluation of Synthetic Instrument Flight Training in the Officer/Warrant Officer Rotary Wing Aviator Course. George Washington University, Alexandria, Virginia. Report HUMRRO-TR-68-14, November 1968. (AD 680 586).
- Jacobs, R.S., Williges, R.C., and Roscoe, S.N., Simulation Motion as a Factor in Flight-Director Display Evaluation. Human Factors, December 1973, 15, 6, 569-582.
- Jex, H.R. and Allen, R.W., Research on a New Human Dynamic Response Test Battery. Presented at the Sixth Annual Conference on Manual Control, April 1970.
- Johnson, B.E., and Williams, A.C. Jr., Obedience to Rotation-Indicating Visual Displays as a Function of Confidence in the Displays. In Aviation Research Monographs, December 1971, 1, 3, 11-25.
- Johnson, S.L., and Roscoe, S.N., What Moves, the Airplane or the World? Human Factors, 14,2, April 1972, 107-130.
- Jolley, O.B., Caro, P.W., Jr., A Determination of Selected Costs of Flight and Synthetic Flight Training. Human Resources Research Organization, Fort Rucker, Alabama, for Air Force, Office of Scientific Research. HUMRRO Technical Report 70-6, April 1970. (AD 706 764).
- Kahrs, J.H., III, A Fixed-Base Variability-Stability Carrier Approach Landing Simulator (CALs). Naval Postgraduate School, Monterey, California, Master's Thesis, March 1972. (743 768).
- Kanarick, A.F., Alden, D.G., and Daniels, R.W., Decision Making and Team Training in Complex Tactical Training Systems of the Future. In Naval Training Device Center's 25th Anniversary. Commemorative Technical Journal, November 1971.
- Kelley, C.R., and Wargo, M.J., Adaptive Techniques for Synthetic Flight Training Systems. Dunlop and Associates, Inc., Santa Monica, California Report NAVTRADEVGEN 68-C-0136-1, October 1968. (AD 678 536)

Kelley, J.B., The Evolution of Fire Control and Fire Control Simulators. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.

Kelly, C.F., and Smith, A.H., Chronic Acceleration Studies - Physiological Responses to Artificial Alterations in Weight. NASA Contractor Report CR-441, April 1966.

Kelly, L.L., The Development of Flight Trainers. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.

Klier, S., Gage, H., Motion Factors in Flight Simulation. Grumman Aerospace Corporation. Report NAVTRADEVCCEN 68-C-0007-1, December 1970. (AD 880 341).

Klimke, A.P., and Baumgaertner, C.J., Surface Ship ASW Trainer Development. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.

Knoop, P.A., Development and Evaluation of a Digital Computer Program for Automatic Human Performance Monitoring in Flight Simulator Training. Air Force, Aerospace Medical Research Laboratories, AMRL-TR-67-97, August 1968.

Knoop, P.A., Advanced Instructional Provisions and Automated Performance Measurement. Human Factors, December 1973, 15, 6, 583-597.

Koonce, J.M., Effects of Ground-Based Aircraft Simulator Motion Conditions Upon Prediction of Pilot Proficiency. Part 1. Illinois University, for Air Force Office of Scientific Research. Report AFOSR-TR-74-1292, April 1974. (AD 783 256).

Koonce, J.M., Effects of Ground-Based Aircraft Simulator Motion Conditions Upon Prediction of Pilot Proficiency. Part II. Illinois University, for Air Force Office of Scientific Research. Report AFOSR-TR-74-1292, April 1974. (AD 783 257).

Kron, G.J., Motion Simulation Enhancement: the Development of a Research G-seat System. In Man-The Focus of the Training System. Proceedings of the Naval Training Equipment Center and Industry Conference, held on 13-15 November 1973. (AD 768 756).

Krumm, R.L., and Buffardi, L., Training Effectiveness Evaluation of Naval Training Devices. Part 1: A Study of Submarine Diving Trainer Effectiveness. Bunker-Ramo Corporation, Westlake Village, California. Report NAVTRADEVCCEN-69-C-0322-1, December 1970. (AD 879 712).

Kuehnel, H.A., Human Pilots' Dynamic-Response Characteristics Measured in Flight and on a Nonmoving Simulator. NASA, Langley Air Force Base, Virginia. NASA Technical Note D-1229, March 1962.

Kurtz, A.K. and Smith, M.C., Annotated Bibliography of Human Factors Laboratory Reports (1945-1968). Human Factors Laboratory, Naval Training Device Center, Orlando, Florida. Technical Report NAVTRADEVCECEN IH-158, February 1969.

Lane, J.C. & Cumming, Rico, The Role of Visual Cues in Final Approach to Landing. Melbourne, Australia: Aeronautical Research Laboratories, Human Engineering Note, May 1956.

Lanier, H.M., and Butler, E.D., An Experimental Assessment of a Ground Pilot Trainer in General Aviation. Middle Tennessee State University, Murfreesboro, Tennessee for the Federal Aviation Agency. Report FAA-ADS-64, February 1966. (AD 653 733).

Leonard, J. N., Hofer, J. L., and Doe, L. H., Automated Weapon System Trainer. Logicon, Inc., San Diego. Report NAVTRADEVCECEN-69-C-0151-1, October 1969. (AD 872 854).

Lindahl, W.H., and Gardner, J.H., Application of Simulation to Individualized Self-Paced Training. Training Analysis and Evaluation Group, Orlando, Florida. Report TAEG 11-2, September 1974. (AD 786 702).

Lowes, A.L., Ellis, N.C., Norman, D.A., and Matheny, W.G., Improving Piloting Skills in Turbulent Air Using a Self-Adaptive Technique for a Digital Operational Flight Trainer. Navy, Naval Training Device Center, Technical Report NAVTRADEVCECEN 67-C-0034-2, August 1968.

Luthander, S., Motion System for a Research Flight Simulator: A Preliminary Design Study. The Division of Aeronautics, The Royal Institute of Technology, Stockholm, August 1963.

Luthander, S., Investigation of Function and Performance of Cabin Motion System of Flight Training Simulation for A/C 37. The Material Administration of the Armed Forces Air Material Department, Stockholm, September 1968.

Lybrand, W.A., Heron, M.D., Gartner, W.B., Scarr, H.A., and Hackman, R.C., Simulation of Extra-Cockpit Visual Cues in Contact Flight Transition Trainers. Air Force Personnel and Training Research Center, Lackland Air Force Base, Texas. AFPTRC Technical Report 58-11, February 1958.

Mackey, J., and Nelson, T.M., An Effective Low-Cost Visual: Night Scene CG1. In Naval Training Equipment Center/Industry Conference Proceedings Training Economy Through Simulation, 19-21 November 1974, Orlando, Florida.

Mackie, R.R., Factors that Influence the Use and Acceptance of Training Devices. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.

Mackie, R.R., and Harabedian, A., A Study of Simulation Requirements for Sonar Operator Trainers. Navy, Naval Training Device Center, Technical Report NAVTRADEVGEN 1320-1, March 1964.

Mackie, R.R., Kelley, G.R., and Moe, G.L., Factors Leading to the Acceptance or Rejection of Training Devices. Human Factors Research, Inc., for Naval Training Equipment Center. Report NAVTRADEVGEN 70-C-0276-1, August 1972. (AD 752 477).

Mahler, W.R., Bennett, G.K., Special Devices in Primary Flight Training: Their Training and Selection Value. A Summary Report. The Psychological Corporation, for the Special Devices Center. Report SDC 151-1-18, August 31, 1949. (AD 764 033).

Mahler, W.R., and Bennett, G.K., Psychological Studies of Advanced Naval Air Training: Evaluation of Operational Flight Trainers. (Psychological Evaluation of Training Devices). The Psychological Corporation, New York, for Special Devices Center. Report SDC 999-1-1, 1 September 1950. (AD 643 499).

Matheny, W.G., Dougherty, D.J., and Willis, J.M., Relative Motion of Elements in Instrument Displays. Aerospace Medicine, 1963, 34, 1041-1046.

Matheny, W.G., Lowes, A.L., and Bynum, J.A., To Move or Not to Move? The Problem of Motion in Training Simulators. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971. See also Report NAVTRADEVGEN-69-C-0304-1, 27 June 1970.

Matheny, W.G., Lowes, A.L., and Bynum, J.A., An Experimental Investigation of the Role of Motion in Ground-Based Trainers. Life Sciences, Inc. Report NAVTRAEEQUIPCEN 71-C-0075-1, April 1974. (AD 778 665).

Matheny, W.G., Lowes, A.L., and Raker, G., An Investigation of Visual, Aural Motion and Control Movement Cues. Life Sciences, Inc., Fort Worth, Texas. Report NAVTRADEVGEN-69-C-0304-1, April 1971. (AD 726 430).

Matheny, W.G., Williams, A.C., Jr., Dougherty, D.J., and Hasler, S.G., The Effect of Varying Control Forces Upon Transfer of Training to the T-6 Aircraft. USAF, HRRC Tech. Report 53-31, 1953.

Mays, J.A., and Holmes, R.E., An Optimized Video Output from a Wide Angle Optical Probe. Paper presented at AIAA Visual and Motion Simulation Conference. Palo Alto, California, 10-12 September 1973. AIAA Paper 73-918.

McDonnell Douglas, Information on VITAL, no date.

McDonnell Douglas Electronics Company, Vital II, no date.

McGrath, J.J., The Use of Wide-Angle Cinematic Simulators in Pilot Training. Anacapa Sciences, Inc. Report NAVTRAEEQUIPCEN 70-C-0305-1, March 1973. (AD 766 507).

- McGrath, J.J., and Harris, D.H., editors, Adaptive Training: Aviation Research Laboratory, University of Illinois at Urbana-Champaign. Aviation Research Monographs, 1, 2, August 1971.
- Meiry, J.L., The Vestibular System and Human Dynamic Space Orientation. Massachusetts Institute of Technology, Cambridge, Massachusetts, for NASA. NASA Contractor Report 628, October 1966. (N74 10751).
- Meister, D., and Sullivan, D.J., Training Effectiveness Evaluation of Naval Training Devices. Bunker-Ramo Corporation, Westlake Village, California, for Naval Training Device Center. Report NAVTRADEVCCEN-69-C-0322-2, July 1971. (AD 732 795).
- Mengelkoch, R.F., Adams, J.A., and Gainer, C.A., The Forgetting of Instrument Flying Skills. Human Factors, October 1971, 13, 5, 397-406.
- Meyer, D.E., Van Gundy, E.A., Killian, D.C., Lanahan, C.J., A Study of Simulator Capabilities in an Operational Training Program. Aerospace Medical Research Laboratories, Wright-Patterson Air Force Base, Ohio. AMRL-TR-67-14, May 1967.
- Micheli, G.S., The Evaluation of Training Systems. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.
- Micheli, G.S., Analysis of the Transfer of Training, Substitution and Fidelity of Simulation of Training Equipment. TAEG Report 2, 1972. (AD 748 594).
- Mierswa, M.H., Sr., Army Training Devices - 1950 -1980. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.
- Miller, E.E., Effective Low-Cost Simulation. In Man-The Focus of the Training System, Proceedings of the Naval Training Equipment Center and Industry Conference, held on 13-15 November 1973. (AD 768 756).
- Miller, G.G., Some Considerations in the Design and Utilization of Simulators for Technical Training. AFHRL-TR-74-65. AD/A-001 630/36A
- Miller, R.B., Psychological Considerations in the Design of Training Equipment. USAF, WADC Tech. Rep. 54-563, 1954.
- Miller, R.B., Task and Part-Task Trainers and Training. Wright Air Development Division, Wright-Patterson Air Force Base, Ohio. WADD Technical Report 60-469, June 1960.
- Mirabella, A., and Wheaton, G.R., Effects of Task Index Variations on Transfer of Training Criteria. American Institutes of Research. Report NAVTRAEQUIPCEN 72-C-0126-1, January 1974. (AD 773 947).

Moran, W.P., Development of an Individualized Ground Training Program for DC-10 Flight Crews. Paper presented at the Fourth International Simulation and Training Conference, Atlanta, Georgia, 13 May 1971. SAE Technical Paper 710 472.

Moran, W.P., The Use of Simulation to Promote Safety and Economy in Flying Training. Paper presented at the Fourth International Simulation and Training Conference. Atlanta, Georgia, 13 May 1971. SAE Technical Paper 710 475.

Motzel, L.W., The Technology of Education and the Design of Training Equipment, In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.

Muckler, F.A., Nygaard, J.E., O'Kelly, L.I., Williams, A.C., Jr. Psychological Variables in the Design of Flight Simulators for Training. University of Illinois, Aviation Psychology Laboratory, Urbana, Illinois. WADC Technical Report 56-369, January 1959.

Mudd, S., Assessment of the Fidelity of Dynamic Flight Simulators. Human Factors, 1968, 10, 351-358.

Murphy, G.L., Advancements in Instructor Station Design. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.

Murray, F.J., Training Devices Computing Systems. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.

NASA/Ames Research Center, Ames Research Facilities Summary. Moffett Field, California. 1974.

National Aeronautics and Space Administration, NASA Aircraft Safety and Operating Problems. Volume I. A Conference held at Langley Research Center, Hampton, Virginia, May 4-6, 1971. Publication NASA SP-270, 1971.

National Aeronautics and Space Administration., Third Annual NASA-University Conference on Manual Control. Held at the University of Southern California, Los Angeles, California, March 1-3, 1967, NASA SP-144.

Naval Training Device Center, Use of the Operational Flight Trainer. Report NAVTRADEVCCEN 1734-00-1, 1966. (AD 643 498).

Navy Training Device Center, Proceedings of the Fifth Naval Training Device Center and Industry Conference. Held 15-17 February 1972, Orlando, Florida. (AD 737 226).

Newberry, C.F., Bibliography of Papers and Reports Related to the Gust Upset/Pilot Disorientation Problems. Advisory Group for Aerospace Research and Development, Paris. AGARD Report 616, February 1974. (AD 776 656).

Newell, F.D., Inflight and Ground Simulation Measurements of Pilot Transfer Characteristics in the Compensatory Roll Tracking Task. In Third Annual NASA-University Conference on Manual Control, held at University of Southern California, 1-3 March 1967. NASA Special Publication 144, 1967.

Newell, F.D., A Simple Simulator and Visual Presentation for Stall-Spin Training. In Man-The Focus of the Training System. Proceedings of the Naval Training Equipment Center and Industry Conference, held on 13-15 November 1973. (AD 768 756).

Newton, J.M., Training Effectiveness as a Function of Simulator Complexity. Tech. Rep. NAVTRADEVEN 458-1., Training Devices Center, Office of Naval Research, Port Washington, N.Y. 1959.

Nigro, B.J., Woodward, R.A., and Brucks, C.R., A Digital Computer Program for Deriving Optimum Numerical Integration Techniques for Real-Time Flight Simulation. Air Force, Aerospace Medical Research Laboratories, AMRL-TR-68-4, May 1968.

North American Aviation, Inc., Technical Features of the Dynamic Flight Simulator (G-Seat). Report No. NA60H-422, Columbus Division, Columbus, Ohio, Sept. 1960.

Oberlin, R.P., EW/ECM Simulation. In Man-The Focus of the Training System, Proceedings of the Naval Training Equipment Center and Industry Conference, held on 13-15 November 1973. (AD 768 756).

Obermayer, R.W., and Muckler, F.A., Performance Measurement in Flight Simulation Studies, AIAA Simulation for Aerospace Flight Conference, August 26-28, 1963, p. 58-65.

O'Connor, F.E., Shinn, B.J., and Bunker, W.M., Prospects, Problems, and Performance: A Case Study of the First Pilot Trainer Using CGI Visuals. In Man-The Focus of the Training System. Proceedings of the Naval Training Equipment Center and Industry Conference, held on 13-15 November 1973. (AD 768 756)

Osgood, C.E., The Similarity Paradox in Human Learning: A Resolution. Psychol. Review, 1949, 56, 132-143.

Osgood, C.E., Method and Theory in Experimental Psychology, New York: Oxford Univ. Press, 1953.

Palmer, E.A. and Cronn, F.W., Touchdown Performance with a Computer Graphics Night Visual Attachment. Paper presented at AIAA Visual and Motion Simulation Conference, Palo Alto, California, 10-12 September 1973. AIAA Paper 73-927.

Palmer, R.G., Large screen display system developments. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, Nov. 1971.

Parrish, R.V., Dieudonne, J.E., Bowles, R.L., and Martin, D.J., Coordinated Adoptive Washout for Motion Simulators. Paper presented at AIAA Visual and Motion Simulation Conference, Palo Alto, California, 10-12 September 1973. AIAA Paper 73-930.

Parrish, R.V., Dieudonne, J.E., Martin, D.J., Jr., Motion Software for a Synergistic Six-Degree-of-Freedom Motion Base. NASA, Langley Research Center, Technical Note D-7350, December 1973. (N74 11096).

Parker, E.L., How Universal Should Universal Trainers Be? In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.

Parker, J.F., Jr., and Downs, J.E., Selection of Training Media. Aeronautical Systems Division Wright-Patterson Air Force Base, Ohio. ASD Technical Report 61-473, September 1961.

Payne, T.A., Dougherty, D.J., et al, Improving Landing Performance Using a Contact Landing Trainer. University of Illinois, Urbana, Illinois, for Special Devices Center. Report SPECDEVGEN 71-16-11, March 1, 1954.

Pennsylvania Research Associates, Inc., Investigation of Digital Techniques for Radar and Land Mass Simulation. Final Report. Technical Report NAVTRADEVGEN 1025-3, March 1964.

Perry, D.H. and Naish, J.M., Flight Simulation for Research. U. Royal Aero Society. 1964, 68, 645-662.

Peters, R.A., Dynamics of the Vestibular System and Their Relation to Motion Perception, Spatial Disorientation, and Illusions. Systems Technology, Inc., Hawthorne, California, for Ames Research Center. NASA Contractor Report 1309, April 1969.

Pfeiffer, M.G., Clark, W.C., and Danaher, J.W., The Pilot's Visual Task: A Study of Visual Display Requirements. Navy, Naval Training Device Center, Technical Report NAVTRADEVGEN 783-1, March 1963.

Phillips, C.R., Jr., An Experimental Assessment of a Ground Pilot Trainer in General Aviation. Federal Aviation Agency Report FAA-ADS-61, January 1966. (AD 653 729).

Poe, A.C., and Lyon, V.W., The Effectiveness of the Cycloramic Link Trainer in the U.S. Naval School, Pre-Flight. U.S. Naval School of Aviation, Naval Air Station, Pensacola, Florida, March, 1952.

- Povenmire, H.K., and Roscoe, S.N., The Incremental Transfer Effectiveness of a Ground-Based General Aviation Trainer. University of Illinois, for Air Force Office of Scientific Research. Report AFOSR-TR-72-2466, May 1972. (AD 754 213). Also, Human Factors, December 1973, 15, 6, 534-542.
- Prophet, W.W., The Importance of Training Requirements Information in the Design and Use of Aviation Training Devices. Paper presented at the Flight Safety Foundation 16th Annual International Air Safety Seminar, Athens, Greece, November 1963. HumRRO Professional Paper 8-66, December 1966. (AD 645 961).
- Prophet, W.W., and Boyd, H.A., Device-Task Fidelity and Transfer of Training: Aircraft Cockpit Procedures Training. Human Resources Research Organization Technical Report 70-10, July 1970. (AD 713 433).
- Prophet, W.W., and Caro, P.W., Simulation and Aircrew Training and Performance, Human Resources Research Organization Professional Paper PP-4-74, April 1974. (AD 780 688).
- Prophet, W.W., Jolly, O.B., Evaluation of the Integrated Contact - Instrument Concept for Army Fixed Wing Flight Instruction. Human Resources Research Organization Technical Report 69-26, December 1969 (AD 703 161).
- Prophet, W.W., Caro, P.W., and Hall, E.R., Some Current Issues in the Design of Flight Training Devices. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971. Also, Human Resources Research Organization Professional Paper pp 5-72, March 1972. (ED 064 893)
- Psarakis, E.S., Underwater Terrain Navigation and Reconnaissance Simulator. Naval Training Equipment Center Technical Report NAVTRAEQUIPCEN IH-198, September 1972. (AD 754 091).
- Puig, J.A., Motion in Flight Training: A Human Factor View. Human Factors Laboratory. Naval Training Device Center. Report NAVTRADEVCCEN IH-177, October 1970. (AD 880 445).
- Puig, J.A., The Sensory Interaction of Visual and Motion Cues. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal. November 1971.
- Puig, J.A., Visual Tolerances for Simulator Optics. In Man - The Focus of the Training System., Proceedings of the Naval Training Equipment Center and Industry Conference, held on 13-15 November 1973. (AD 768 756).
- Quigley, H.C., and Holzhauser, C.A., Requirement for Simulation in V/STOL Research Aircraft Programs. NASA, Ames Research Center.

- Rathert, G.A., Creer, B.Y., and Sadoff, M., The Use of Piloted Flight Simulators in General Research. NATO Advisory Group for Aeronautical Research and Development. Report 365, 1961.
- Rathert, G.A. Creer, B.Y. and Sadoff, M., Use of Flight Simulators for Pilot-Control Problems. NASA, Ames Research Center, Memorandum 3-6-59A, February 1959.
- Redifon Air Trainers Limited, Visual Flight Attachment for Flight Simulators Specification SD/609/S. Issue 1, 19 June 1967.
- Redifon Limited, Specification C.934/6 for the Redifon Colour Visual Presentation System. 1965.
- Reeder, J.P., and Kolnick, J.J., A Brief Study of Closed-Circuit Television for Aircraft Landing. NASA Technical Note D-2185, February 1964.
- Reitman, J., The Engineering Role of Simulation. In IEEE Transactions on Systems, Man, and Cybernetics, March 1974, SMC-4, 2, 208-212.
- Reynolds, P.A., Wirth, F.A., and Mathews, R.H., Cost Effective Use of Flight Simulation. Paper presented at the 11th Annual Meeting and Technical Display, AIAA, Washington, D.C., February 25-27, 1975. Paper number 75-329.
- Rhodes, J., The Urgent Need for Flight Simulators for Present and Future Aircraft. In SAE Conference Proceedings, Third International Simulation and Training Conference held in New York City, 24-27 April 1967, SAE 670297, (p. 32).
- Robins, J.E., Finley, D.L., and Ryan, T.G., Training Effectiveness Evaluation of Naval Training Devices: An Evaluation of the 2F69B ASW Weapon System Trainer. Bunker Ramo Corporation, Westlake Village, California. Technical Report NAVTRAEQUIPCEN 70-C-0258-2, December 1972. (AD 908 034).
- Rolfe, J.M., Vehicle Simulation for Training and Research. Royal Air Force Institute of Aviation Medicine, Farnborough, England. IAM-R-442, March 1968.
- Rolfe, J.M., Hammerton-Fraser, A.M., Poulter, R.F., and Smith, E.M.B., Pilot Response in Flight and Simulated Flight. Ergonomics, 1970, 13,6, 761-768.
- Roscoe, S.N., Incremental Transfer Effectiveness. Human Factors, 1971, 13, 561-567.
- Roscoe, S.N., A Little More on Incremental Transfer Effectiveness. Human Factors, 1972, 14, 363-364.
- Roscoe, S.N., Incremental Transfer and Cost Effectiveness of Flight Training Simulators. In Naval Training Equipment Center/Industry Conference Proceedings, Training Economy Through Simulation, 19-21 November, 1974, Orlando, Fl.

- Roscoe, S.N. and Williges, R.C., Motion Relationships in Aircraft Attitude and Steering Guidance Displays: A Flight Experiment. In M.P. Ranc, Jr. and T.B. Malone (Eds.) Proceedings of the Seventeenth Annual Meeting of the Human Factors Society, Santa Monica, Calif: Human Factors Society, 1973, 246-255.
- Rubinoff, M., Digital Flight Trainers and Radar Landmass Simulation. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal November 1971.
- Ruffell Smith, H.P., Bateman, S.C., Goldsmith, R., Jackson, K.F., and Mattocks, U.S., Heart Rate of Training Captains Engaged in Different Activities 40th Annual Meeting, Aerospace Medical Assn., San Francisco, Calif., May 5-8, 1969.
- Ruocco, J.N., Vitale, P.A., Benfari, R.C., Kinetic Cueing in Simulated Carrier Approaches. Navy, Naval Training Device Center, Technical Report NAVTRADEVCCEN 1432-1, April 28, 1965.
- Ryan, L.E., Puig, J.A., Micheli, G.S., and Clarke, J.C., An Evaluation of the Training Effectiveness of Device 2F90. Navy, Naval Training Device Center. Report NAVTRAEQUIPCEN IH-207, August 1972. (AD 750 248).
- Schmidt, S.F. and Conrad, B., Motion Drive Simulator Signals for Piloted Flight Simulators. NASA-CR-1601, May 1970.
- Salmon, E.P. and Gallagher, J.T., Identification of Pilot Dynamics With and Without Motion Cues. Northrop Corporation. In Proceedings of the Sixth Annual Conference on Manual Control, held 7-9 April 1970 at Wright-Patterson Air Force Base, Ohio. 1970.
- Sadoff, M. and Harper, C.W., Piloted Flight Research - A Critical Review. Aerospace Engineering, 1962, 21, 50-68.
- Schoultz, M.B., Simulators' Validation Study: Problem Solution Logic. University of Virginia, Charlottesville, Virginia, for Short-Haul Air Transportation Program. Memorandum Report 403213, March 1974. (N7429610).
- Schoultz, M.B., Simulators' Validation Study: Problem Solution Logic. Virginia University, for NASA. NASA-CR-138305, March 1974. (N74-29610). also for NASA, NASA-CR-138305, March 1974.
- Schumacher, S.P., Rudov, M.H., and Valverde, H.H., Evaluation of a Low Cost In-Flight Audio/Visual Recording System for Pilot Training. Air Force Base, Texas. Report AFHRL-TR-69-31, January 1970.
- Semple, C.A., Jr., Training Effectiveness Evaluation: Device ID23, Communication and Navigation Trainer. Manned Systems Sciences, Inc. Report NAVTRAEQUIPCEN 72-C-0209-2, March 1974. (AD 776619).

Senders, J.W., Adaptive Vehicle Control Trainers. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.

Shaw, J.B., Huether, C.W., Swah, M.E., and Smith, R.W., C-130 Phase 1 Pilot Training Program (CCTS). Tactical Air Command, TALC Study DCR-9016, 15 April 1969. (AD 700 987).

Shea, E., and Choy, A., E-2C AEW Crew Training Using an Operational Tactics Trainer. In Naval Training Equipment Center/Industry Conference Proceedings Training Economy Through Simulation, 19-21 November 1974, Orlando, Florida.

Shirley, R.S., Motion Cues in Man-Vehicle Control. Man-Vehicle Control Lab., Massachusetts Institute of Technology, Cambridge, Mass., Rept. MVT-68-1, 1968.

Shirley, R.S. and Young, L.R., Motion Cues in Man-Vehicle Control. Effects of Roll-Motion Cues on Human Operator's Behavior in Compensatory Systems with Disturbance Inputs. In IEEE Transactions on Man-Machine System, Vol. MMS-9, No. 4, December 1968, pp. 121-128.

Shumway, D.A., Visual Simulation and Life Cycle Costing. In Naval Training Equipment Center/Industry Conference Proceedings, Training Economy Through Simulation, 19-21 November 1974, Orlando, Florida.

Shumway, H.H., A New Approach to Flight Crew Training. Presented at Society of Automotive Engineers National Air Transportation Meeting, Atlanta, Georgia, 10-13 May 1971. SAE Technical Paper 710 478.

Sinacori, J.B., V/STOL Ground-Based Simulation Techniques. U.S. Army Aviation Materials Lab., Fort Eustis, Virginia, USAAVLABS Tech Rep. 67-55, 1967.

Sinacori, J.B., A Practical Approach to Motion Simulation. Paper presented at AIAA Visual and Motion Simulation Conference, Palo Alto, California, 10-12 September 1973. AIAA Paper 73-931.

Singer Company, Simulation Products, Link Training Systems, Binghamton, N.Y., November 1973.

Singer Simulation Products, Link News, Product Description. The Singer Company, December 1974.

Sitterley, T.E., Zaitzeff, L.P., and Berge, W.A., Effectiveness of Practice Methods on Visual Approach and Landing Skill Retention. The Boeing Company, Seattle, Washington, NASA, Manned Spacecraft Center Report D180-15082-1, October 1972. (N73 23086).

Smith, J.F., Applications of the Advanced Simulation in Undergraduate Pilot Training (ASUPT) Research Facility to Pilot, no date.

Smode, A.F., The Fidelity Issue: How Much Like Operational Systems Should Their Training Device Counter-Parts Be? In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.

Smode, A.F. Human Factors Inputs to the Training Device Design Process. Dunlop and Associates, Darien, Connecticut. Report NAVTRADEVCCEN-69-C-0298-1, September 1971. (AD 734 644).

Smode, A.F., Training Device Design: Human Factors Requirements in the Technical Approach. Dunlop and Associates, Inc. Report NAVTRAEQUIPCEN 71-C-0013-1, August 1972. (AD 754 744).

Smode, A.F., Recent Developments in Instructor Station Design and Utilization for Flight Simulators. Human Factors, December 1973, 15, 6.

Smode, A.F., and Hale, E.R., An Assessment of Research Relevant to Pilot Training. Biotechnology, Inc., Arlington, Virginia. Project AF-1710, November 1966. (AD 804 600).

Smode, A.F., and Hall, E.R., An Assessment of Research Relevant to Pilot Training. Air Force, Aerospace Medical Research Laboratory. Technical Report AMRL-TR-66-196, November 1966. (AD 804 600).

Snyder, R.W., and Laufer, E.A., Development of Multiship Tactical Trainers for Task Force Command and Control. In Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.

Society of Automotive Engineers, Inc., Visual Simulation for General Flight Simulator/Trainer Attachment. Aerospace Information Report AIR 771, October 31, 1966.

Soliday, S.M., Effects of Task Loading on Pilot Performance During Simulated Low-Altitude High-Speed Flight. Army, Transportation Research Command, Report USATRECOM 64-69, February 1965 (AD 614243).

Stapleford, R.L., Peters, R.A., and Alex, F.R., Experiments and a Model for Pilot Dynamics with Visual and Motion Inputs. Systems Technology, Inc. Hawthorne, California, for Ames Research Center. NASA Contractor Report CR-1325, May 1969. (N69 28071).

Stark, E.A., and Wilson, J.M. Jr., Visual and Motion Simulation in Energy Maneuvering, Paper presented at AIAA Visual and Motion Simulation Conference, Palo Alto, California, 10-12 September 1973, AIAA Paper 73-934.

Stark, E.A., and Wilson, J.M., Jr., Simulation of Visual and Motion Cues in Air Combat Maneuvering, in Man-The Focus of the Training System, Proceedings of the Naval Training Equipment Center and Industry Conference, held on 13-15 November 1973, (AD 768 756).

- Stark, L., Young, L.R., Taub, R., Taub, A., and Katona, P., Biological Control Systems - A Critical Review and Evaluation, Biosystems, Inc., Cambridge, Massachusetts, for Ames Research Center, NASA Contractor Report 577, September 1966. (N66 37776).
- Steele, Jack E., Motion Sickness and Spatial Perception: A Theoretical Study, Aerospace Medical Laboratory, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, ASD Technical Report 61-530, November 1961.
- Stein, K.J., USAF Places New Stress on Simulators, Aviation Week & Space Technology, June 26, 1972, 147-154.
- Stewart, W.A., Wainstein, E.S., Rand Symposium on Pilot Training and the Pilot Career: Final Report, Rand Corporation for the Air Force, Report R-615-PR, December 1970, (AD 720 797).
- Stinson, W.J., Consolidated Bibliography Navy Personnel and Training Research I: Unclassified Reports FY 1949-FY 1963, Navy Personnel Research and Development Center, San Diego, California, TR 74-15, May 1974, (AD 780 206).
- Stinson, W.J., Consolidated Bibliography: Navy Personnel and Training Research, Volume III, Unclassified Reports, FY 1964-FY 1973, Navy Personnel Research and Development, Report TR 74-15, May 1974, (AD 780 207).
- Sugarman, R.C. and Cohen, W., Perceived Target Displacement as a Function of Field Movement and Asymmetry, Perception and Psychophysics, Vol. 3, pp. 169-173, 1968.
- Tate, B.M., Boeing 747 Training Developments and Implementation, Paper presented at Society of Automotive Engineers, Fourth International Simulation and Training Conference, Atlanta, Georgia, 13 May 1971, SAE Technical Paper 710-473.
- Taylor, R. and Gerber, R., Study to Determine Requirements for Undergraduate Pilot Training Research Simulation System (UPTRSS), Link Group, Singer-General Precision, Inc., Report AFHRL-TR-68-11, July 1969, (AD 858 640).
- Thelander, J.A., Aircraft Motion Analysis, Air Force, Flight Dynamics Laboratory, Technical Documentary Report FDL-TDR-64-70, March 1965.
- Training Psychology Branch, Aerospace Medical Laboratory, Use of Task Analysis in Deriving Training and Training Equipment Requirements, Wright Air Development Division, Wright-Patterson Air Force Base, Ohio, WADD Technical Report 60-593, December 1960.
- Underwood, B.J., Transfer, in Underwood, B.J., Experimental Psychology, (2nd ed), New York: Appleton-Century-Crafts, 1966, 502-541.
- Valverde, H.H., Flight Simulator, A Review of the Research and Development, Wright-Patterson AFB: Report AMRL-TR-68-97, 1968.

- Valverde, H.H., A Review of Flight Simulator Transfer of Training Studies, Human Factors, December 1973, 15, 6, 510-522.
- Valverde, H.H., Lebkisher, H.E., Reynolds, A., Annotated Bibliography of the Advanced Systems Division Reports (1950-1972), Air Force, Human Resources Laboratory, Report AFHRL-TR-72-43, March 1973, (AD 760 114).
- Vreuls, D., Obermayer, R.W., Emerging Developments in Flight Training Performance Measurement, in Naval Training Device Center's 25th Anniversary Commemorative Technical Journal, November 1971.
- Vreuls, D., Obermayer, R.W., Goldstein, I., Trainee Performance Measurement Development Using Multivariate Measure Selection Techniques, Manned Systems Sciences, Inc., for Naval Training Equipment Center, Report NAVTRAEQUIPCEN-73-C-0066-1, September 1974, (AD 787 594).
- Weinrauch, A., Investigation of Digital Techniques for Radar Land Mass Simulation, Pennsylvania Research Associates, Inc., Philadelphia, for Naval Training Device Center, Report NAVTRADEVCCEN 1025-3, March 13, 1964.
- Westbrook, C.B., Background of Piloted Simulator Development, The Role of Simulation in Space Technology, Part B., pp. XI-1-XI-69, Virginia Polytechnic Institute, August 1964.
- Wilcoxon, H.C., Davy, E., Webster, J.C., Evaluation of the SNJ Operational Flight Trainer, The Psychological Corporation, New York, New York, for Special Devices Center, Technical Report SPECDEVCCEN 999-2-1, 22 March 1954, (AD 86 988).
- Wempe, T., Palmer, E., Pilot Performance With a Simulated Pictorial Landing Display Including Different Conditions of Resolution and Update Rate, in Proceedings of the Sixth Annual Conference on Manual Control, held 7-9 April 1970 at Wright-Patterson Air Force Base, Ohio, 1970.
- Wilcoxon, H.C., Davy, E., Fidelity of Simulation in Operational Flight Trainers, II, The Effect of Variations in Control Loadings on the Training Value of the SNJ OFT, Psychological Corporation, New York, for Special Devices Center, Technical Report, SPECDEVCCEN 999-2-3b, January 25, 1954, (AD 204 917).
- Williams, A.C., Flexman, R.E., An Evaluation of the Link SNJ Operational Trainer as an Aid in Contact Flight Training, Illinois University, Urbana, for Naval Training Device Center, Report NAVTRADEVCCEN SDC-TR-71-16-5, July 1949, (AD 637 621).
- Williams, A.C. Jr., Flexman, R.E., Evaluation of the School Link as an Aid in Primary Flight Instruction, University of Illinois, Institute of Aviation, Urbana, Illinois, Aeronautics Bulletin, Number 5, 1949.
- Williams, A.C., Roscoe, S.N., Pilot Performance in Instrument Flight as a Function of the Extent and Distribution of Visible Horizon (Human Engineering System Studies), University of Illinois, for the Special Devices Center, Technical Report SDC-71-16-3, June 1949.

Williges, B.H., Roscoe, S.N., Williges, R.C., Synthetic Flight Training Revisited, Illinois University, for Air Force Office of Scientific Research, Report AFOSR-TR-72-2463, August 1972, (AD 754 957), also in Human Factors, December 1973, 15, 6, 543-560.

Wilson, D., Visual Simulation- Where We Are-Where We're Going, in SAE Conference Proceedings, Third International Simulation and Training Conference, held in New York City, 24-27 April 1967, (P-15).

Wilson, W.B., The Effect of Prolonged Non-Flying Periods on Pilot Skill in Performance of a Simulated Carrier Landing Task, Naval Postgraduate School, Monterey, California, Masters' Thesis, September 1973, (AD 769 696).

Wolff, H.H., The Wide-Angle Visual Simulation Problem, in Naval Training Device Center's 25th Anniversary, Commemorative Technical Journal, November 1971.

Wood, M.E., Multi-Media in USAF Pilot Training, Air Force Human Resources Laboratory, Report AFHRL-TR-71-41, October 1971, (AD 732 611).

Wood, M.E., Gerlach, V.S., Transfer From Audiovisual Pertaining to a Continuous Perceptual Motor Task, Air Force Human Resources Laboratory Report AFHRL-TR-74-8, March 1974, (AD 778 078).

Wood, M.E., Hagin, W.V., O'Conner, R., Myers, D.W., Design of the Simplified Formation Trainer, Air Force Human Resources Laboratory, Report AFHRL-TR-72-8, March 1972, (AD 754 973).

Wright, R.H., Retention of Flying Skills and Refresher Training Requirements: Effects of Non-Flying and Proficiency Flying, Human Resources Research Organization, HUMRRO-TR-73-32, December 1973, (AD 774 853).

Young, F.E., et al., Concept Formulation Report: Synthetic Flight Training System, Melpar, Inc., Falls Church, Virginia, Report NAVTRADEVEN 68-C-0107-1, April 1968, (AD 675 505).

Young, L.L., Jensen, R.S., Traiche, C.W., Uses of Visual Landing System in Primary Flight Training, Illinois University, Urbana, Illinois, for Air Force Office of Scientific Research, Report AFOSR-TR-74-1350, October 1973, (AD 784 888).

Young, L.R., Some Effects of Motion Cues on Manual Tracking, J. Spacecraft Rockets, 1967, 1300-1303.

Young, L.R., Developments in Modeling Visual-Vestibular Interactions, Space Sciences Division, Whittaker Corporation, for Aerospace Medical Research Laboratory, Report AMRL-TR-71-14, November 1971, (AD 737 795).

Young, L.R., Research on Biophysical Evaluation of the Human Vestibular System, Massachusetts Institute of Technology, NASA Grant NGR 22-009-156, August 1974, (N74 32535).

Young L.R., Dichgans, J., Murphy, R., Brandt, T., Interaction of Optokinetic and Vestibular Stimuli in Motion Perception, (Revised July 28, 1972) Acta Otolaryng, 1973, 76, 24-31.

Young, L.R., and Henn, V.S., Selective Habituation of Vestibular Nystagmus by Visual Simulation, (Revised April 7, 1973) Acta Otolaryng, 1974, 77, 159-166.

Young, L.R., Meiry, J.L., Newman, J.S., and Feather, J.E., Research in Design and Development of a Functional Model of the Human Nonauditory Labrinths, Aerospace Medical Research Laboratory, Wright-Patterson Air Force Base, Ohio, AMRL-TR-68-102, March 1969.

Young, L.R., Oman, C.M., Curry, R.E., Dichgans, J.M., A Descriptive Model of Multi-Sensor Human Spatial Orientation with Applications to Visually Induced Sensations of Motion, Paper presented at the AIAA Visual and Motion Simulation Conference, Palo Alto, California, 10-12 September 1973, AIAA Paper 73-915.

Zeskind, R.M., Formulation of Optimal Control Representation of Aircraft Mission Segments, Omnemii, Inc., Vienna, Virginia, Informal Technical Note 2, C-12, January 1975.

Zuccaro, J.J., The Flight Simulator For Advanced Aircraft-A New Aeronautical Research Tool, NASA Ames Research Center, Paper presented at the AIAA Visual and Motion Simulation Technology Conference, Cape Canaveral, Florida, March 16-18, 1970, AIAA Paper 70-359.

SAT LIBRARY BIBLIOGRAPHY

- Advisory Group for Aerospace Research and Development; Assessment of skill and performance in flying. Report AGARD Conference Proceeding No. 14, September 1966.
- Advisory Group for Aerospace Research and Development; Measurement of aircrew performance: the flight deck workload and its relation to pilot performance. Report AGARD Proc. No. 56, December 1969.
- Advisory Group for Aerospace Research & Development; Physical Fitness in Flying, including the Ageing and Aged Aircrew, Conference Proceedings, March 1971.
- Advisory Group in Aerospace Research & Development; Problems of the cockpit environment. Report AGARD 55, March 1970. (AD 705 369)
- AIAA Bulletin #10; Visual and motion simulation conference. September 10-12, 1973, Vol. 10.
- United States Air Force; Flight crew checklist - B52H. Report T.O. 1B-52H-1CL-4, October 1, 1973.
- United States Air Force; Flight crew checklist FB-111A. Report 1F-111(B)A-1CL-1, May 31, 1974.
- United States Air Force; Flight manual - FB-111A. Report TO 1F-111(B)A-1, February 1, 1974.
- United States Air Force; Flight manual - FB-111A operational supplement. Report TO 1F-111(B)A-1S-9, December 18, 1973.
- United States Air Force; Flight manual - FB-111A operational supplement. Report TO 1F-111(B)A-1S-10, February 1, 1974.
- United States Air Force; Flight manual - FB-111A operational supplement. Report TO 1F-111(B)A-1S-14, February 27, 1974.
- United States Air Force; Flight manual - FB-111A operational supplement. Report TO 1F-111(B)A-1S-16, May 5, 1974.
- United States Air Force; Flight manual - FB-111A safety supplement. Report TO 1F-111(B)A-1SS-B, December 12, 1973.
- United States Air Force; Flight manual - FB-111A safety supplement. Report TO 1F-111(B)A-1SS-11, February 19, 1974.
- United States Air Force; Flight manual - FB-111A safety supplement. Report TO 1F-111(B)A-1SS-17, May 31, 1974.
- United States Air Force; U.S. Air Force Glossary of Standardized Terms - Administrative Practices, Manual 11-1, Vol. 1, January 01, 1973.

United States Air Force; Air Force Glossary of Comptroller Terms,
(Administrative Practices), January 02, 1973, Manual-11-1, Vol. 11,
(LD 000 749).

United States Air Force; B1 concept of employment (U). November 1, 1972.
(Calspan Document Control #051964, Cy. 002) SECRET

United States Air Force; Communications-Electronics Terminology,
Manual 11-1, Vol. III, November 15, 1973. (LD 000 750).

United States Air Force; Communications Security & Emanations Security
Terminology: Administrative Practices, Manual 11-1, May 1971.

United States Air Force; USAF formal schools catalog. Manual 50-5, 1968.

United States Air Force; Human Reliability Program, Manual 35-99,
June 10, 1971. (LD 000 774).

United States Air Force; Instructional system development. Manual 50-2,
December 1970.

United States Air Force; Instructional system development handbook.
Applied Science Associates. Pamphlet 50-58, November 1972.

United States Air Force; Navigator's abbreviated flight crew checklist.
Report T.O. 1B-52H-1CL-2, 15 February 1973.

United States Air Force; Operational supplement: flight manual, USAF
B-52H aircraft. Report T.O. 1B-52H-1S-165, April 22, 1974.

United States Air Force; Operational supplements: flight manual - USAF
B-52H aircraft. Report T.O. 1B-52H-1S-171, April 18, 1974.

United States Air Force; Operational supplement: flight manual - USAF
B-52 aircraft. Report T.O. 1B-52H-1S-172, February 11, 1974.

United States Air Force; Operational supplement: flight manual - USAF
B-52H aircraft. Report T.O. 1B-52H-1S-173, February 11, 1974.

United States Air Force; Operational supplement: flight manual - USAF
B-52H aircraft. Report T.O. 1B-52H-1S-179, March 5, 1974.

United States Air Force; Operational supplement: flight manual - USAF
B-52H aircraft. Report T.O. 1B-52H-1S-190, June 17, 1974.

United States Air Force; Operational supplement: flight manual - USAF
B-52H aircraft. Report T.O. 1B-52H-1S-192, June 26, 1974.

United States Air Force; Operational supplement: flight manual - USAF
B-52H aircraft. Report T.O. 1B-52H-1S-193, June 27, 1974.

United States Air Force; Operational supplement: flight manual - USAF B-52H aircraft. Report T.O. 1B-52H-1S-194, June 27, 1974.

United States Air Force; Operational supplement: flight manual - USAF B-52H aircraft. Report T.O. 1B-52H-1S-195, July 1, 1974.

United States Air Force; Pilots' abbreviated flight crew checklist: B52H aircraft. Report T.O. 1B-52H-1CL-1, June 30, 1969.

United States Air Force; Prime item development specification for the universal aircraft flight simulator/trainer. May 1970. (CODE IDENT 04071)

United States Air Force; Radar navigator's flight crew checklist (abbreviated) - B52H. Report T.O. 1B-52H-1CL-3, April 1, 1971.

United States Air Force; Safety supplement: flight manual - USAF B-52H aircraft. Report T.O. 1B-52H-1SS-167, June 20, 1973.

United States Air Force; Safety supplement: flight manual - USAF B-52H aircraft. Report T.O. 1B-52H-1SS-188, June 10, 1974.

United States Air Force; Safety supplement: nonnuclear munitions delivery: FB-111A. Report TO 1F-111(B)A-34-1-1SS-3, November 2, 1973.

United States Air Force; System operator manual: FB-111A fire power control system. Report TO 1F-111(B)A-1-2, March 15, 1974.

United States Air Force; TAC formal flying and related training publication, phase manual, USAF operational training course A-7. Course 111503B, October 1973. (LD 000526)

United States Air Force; Technical manual: nonnuclear munitions delivery: FB-111A. Report TO 1F-111(B)A-34-1-1, January 29, 1971.

United States Air Force Systems Command; Tactical air command training analysis guide for systems approach to training (SAT) instructional systems development (ISD). February 1972.

Air Training Command, United States Air Force; Section I: Flying training ATC Syllabus. Report P-V4A-A.

Albert, C.E., Jeantheau, G.G., Gorby, J.T., Parrish, J.A.; Training Analysis procedure (TAP); Volume I: Theoretical. Dunlap & Associates, Inc., Darien, Connecticut, for U.S. Naval Training Device Center. Report NAVTRADEV 1169-1, January 1964.

Allen, David et al.; A survey of the aviation mechanics occupation. California University, Los Angeles, California, for Federal Aviation Administration, January 1974. (AD 783 182)

Allen, David et al.; A survey of text materials used in aviation maintenance technician schools. California University, Los Angeles, California, for Federal Aviation Administration, January 1974. (AD 783 183)

American Airlines, Flight Training Academy, Fort Worth, Texas; Optimized flight crew training: a step toward safer operations. April 24, 1969.

Ammerman, H.L., et al.; The derivation, analysis, and classification of instructional objectives. George Washington University, Alexandria, Virginia, for Human Resources Research Office. Report HumRRO 66-4, May 1966.

Andersen, D.O., Hagin, W.V.; What's new on the training horizon. Air Force Systems Command. Paper presented at the Society of Automotive Engineers National Air Transportation Meeting, Atlanta, Georgia, May 10-13, 1971. (710 477)

Andross, N.E., Laurie, S.F.; Future undergraduate pilot training system study. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 6. (AD 514 343) CONFIDENTIAL

United States Army, Fort Monroe, Virginia; Training systems engineering of training (course design) CON regulation. Report CON Reg. 350-100-1, 20 April 1972.

United States Army, Fort Monroe, Virginia; Training systems engineering of training (course design) TRADOC. Report TRADOC Reg. 350-100-1 CL, 6 July 1973.

United States Army Helicopter School, Fort Worth, Texas; Primary helicopter training manual, 1964.

Askren, W.B., Korban, K.D.; Design option decision trees: Method for relating human resources data to design alternatives Air Force Human Resources Laboratory, Report AFHRL-TR-52, December 1971. (AD 741 768).

Angell, D., et al.; Study of training performance evaluation techniques. Naval Training Device Center, Orlando, Florida. Report NAVTRADEVEN-1449-1. (609 605)

Baer, L.H.; Learning center evaluation, Measurement of students' attitudes toward undergraduate pilot training learning centers. Air Force Human Resources Laboratory, Brooks Air Force Base, Texas. Report AFHRL-TR-72-71(1), March 1973, Vol. I. (760 538)

Baer, L.H., Beggerly, J.D.; Learning Center evaluation, Teaching an undergraduate pilot training academic course in the learning center. Air Force Human Resources Laboratory, Brooks Air Force Base, Texas. Report AFHRL-TR-72-71(11), March 1973, Vol. II. (AD 760 539)

- Baker, C.H.; McGrath, J.J., ; Third review of selected aspects of the ANIP program, Douglas Aircraft Co., Segundo, California, Human Factors Research, Inc., 1 March 1962. (814 406 L).
- Banathy, Bela H.; Instructional Systems. 1968.
- Boeing Aerospace Company, Seattle, Washington; B-1 avionics preliminary design review-chairman/executive presentation material. For B-1 SPO, ASD, Wright-Patterson Air Force Base, Ohio. Report D229-10220-2.
- The Boeing Company, Seattle, Washington; Design of airborne weapon systems training requirements. Report D180-15073-1, Vol. 1.
- Boeing Aerospace Company, Seattle, Washington; Report of preliminary design review for B-1 avionics system segment. For B-1 SPO, ASD, Wright-Patterson Air Force Base, Ohio. Report D229-10220-1, April 16, 1973.
- The Boeing Company, Seattle, Washington; Specification for the design, preparation and submission of training and equipment requirements. Report D180-15073-2, September 1972, Vol. 2.
- The Boeing Company, Seattle, Washington; Flight training technology--advances at Boeing, June 1973.
- The Boeing Company; UNTS airborne trainer model specification. For the United States Air Force. Report AFSC-SPEC-SS185-10001A-1, April 1973. (AD 909 300)
- Bellamy, H.J., Duffy, L.R., Elkin, A.; Design of training systems, phase 1 report. IBM Federal Systems Division, Cape Canaveral, Florida, for TAEG. Report TAEG-12-1, December 1973, Vol. I. (AD 774 931)
- Bellamy, H.J., Duffy, L.R., Elkin, A.; Design of training systems, phase 1 report: appendices. IBM Federal Systems Division, Cape Canaveral, Florida, for TAEG. Report TAEG-12-1, December 1973, Vol. II. (AD 774 932)
- Bellinoff, A.E.; Sound-slide programmed learning. Naval Postgraduate School, Monterey, California. March 1974. (AD 777 871)
- Bickerstaff, T.R., et al.; Human engineering test specification for aircraft systems. Hageman Associates, Fort Worth, Texas, for Naval Air Development Center, October 9, 1970. (AD 773 421)
- Billings, Charles. E.; Studies of pilot performance: I. Theoretical considerations. Aerospace Medicine, 1968.
- Bleistein, S., West, A.S.; Simulating CMI on a mini-computer. Denver Research Institute, Denver, Colorado. Report AFHRL-TR-73-44, November 1973. (AD 772 674)

Boley, L.D.; Training of Navy aircrews for test missions in a multimission simulator. The Boeing Company, Seattle, Washington, November 19-21, 1968.

Booth, R.F., Peterson, F.E., Lane, N.E.; Predicting training success in non-pilot aviation specialties. Aerospace Medicine, May 1968.

Bowen, H.M., Bishop, E.W., Promisel, D., Robins, J.E.; Study, assessment of pilot proficiency. Dunlap & Associates, Inc., Darien, Connecticut, for United States Naval Training Device Center. Report NAVTRADEVCEEN 1614-1, August 1966.

Braby, R. ; Evaluation of ten techniques for choosing instructional media. Naval Training Equipment Center. Report TAEG-8, December 1973. (773 456)

Brecke, F., Reiser, R.; Critical components of flight instruction as perceived by instructor pilots and student pilots. Arizona State University, Tempe, Arizona. Report AFOSR-TR-73-0521, November 1972. (AD 758 227)

Bretz, Rudy; The MODIA questionnaire for curriculum analysis: report prepared for U.S. Air Force Project RAND. Rand Corporation, Santa Monica, California. Report R-1020-PP, November 1972.

Bretz, R.; The selection of appropriate communication media for instruction: a guide for designers of Air Force technical training programs. Rand Corporation, Santa Monica, California. Report R-601-PR, February 1971.

Bretz, Rudy; A taxonomy of communication media. The Rand Corporation, Santa Monica, California. 1971. (L of C: 72-125874)

Briggs, Leslie, J.; Handbook of procedures for the design of instruction. Florida State University, Tallahassee, Florida, for American Institute for Research, September 1970.

Briggs, Leslie J., Campeau, Peggie L., Gagne, Robert M., May, Mark A.; Instructional media: a procedure for the design of multi-media instruction, a critical review of research and suggestions for future research. American Institutes for Research, Pittsburgh, Pennsylvania, for United States Department of Health, Education, and Welfare - Office of Education. Report LD #000916, December 1966.

Browning, R.F., et al.; Task analysis of pilot, copilot, and flight engineer positions for the P-3 aircraft. Naval Training Equipment Center, Orlando, Florida. Report TAEG #7, July 1973. (766 445)

Browning, F.R., et al.; Training analysis of P-3 replacement pilot and flight engineer training. Naval Training Equipment Center, Orlando, Florida. Report TAEG #10, December 1973. (AD 773 745)

Browning, R.F., Copeland, D.R., Lauber, J.K.; Training Analysis of P-3 replacement pilot training. Naval Training Equipment Center, Orlando, Florida. Report TAEG 5, 1972. (AD 777 428)

Browning, R.F., Lauber, J.K., Scott, P.G.; Task analysis of pilot, copilot, and flight engineer positions for the P-3 aircraft. Naval Training Equipment Center., Orlando, Florida. Report TAEG-7, July 1973. (AD 766 445)

Browning, R.F., Ryan, L.E., Scott, P.G.; Training analysis of P-3 replacement pilot & flight engineer training. Naval Training Equipment Center, Orlando, Florida. Report TAEG-10, December 1973. (AD 773 745)

Brown, Dean, et al.; Survey of the use of educational technology in the armed services. Stanford Research Institute, Menlo Park, California. November 1973, Vol. I. (AD 770-884)

Brown, J.C.; An investigation of curricula materials and methodology for training operators of wastewater treatment. Carolina Water Resources Research Institute, Raleigh, North Carolina. December 1972. (PB-216 805)

Brown, J.L.; Visual elements in flight simulation. Rochester University, Rochester, New York. Report TR-73-2, December 1973. (AD 772 586)

Brown, J.S., Burton, R.R., Zdybel, F.; A model driven question-answering system for a computer assisted instruction (CAI) environment. System Development Corporation, Santa Monica, California, for Air Force Human Resources Laboratory. Report AFHRL-TR-72-39, March 1973. (AD 760 115)

Brudner, H.J.; Computer-managed instruction. Science, November 9, 1968, No. 3857, Vol. 162, pp. 970.

Bryan, G.L., Regan, J.J.; Training system design. Government Printing Office, Washington, D.C, 1972.

Butler, A.K., Cowdery, R.S., Cullen, J.W.; Operational specification for a computer-directed training subsystem for integration into the Air Force Phase II base level system. United States Air Force, Dayton, Ohio. Report ESD-TR-68-152, March 1968. (AD 672 005)

Butler, A.K., Cowdery, R.S., Cullen, J.W., McBane, D.K., Peshek, L.D.; Performance/design requirements and detailed technical description for a computer-directed training subsystem for integration into the Air Force Phase II base level system. System Planning Corporation, Santa Monica, California. Report ESD-TR-68-301, June 1968. (AD 701 733)

Calspan Corporation; SETA in support of B-1 SPO: SAT task description. Proposal 4260N, May 1974.

Calspan Corporation (formerly CAL); Naval pilot training systems design study. For Naval Training Device Center, Department of the Navy. CAL proposal 1868-70, 19 November 1969.

Calspan Corporation (formerly CAL); Proposal for R&D of multi-sensor interpretation training techniques for Rome Air Development Center, CAL Proposal 471-66, July 1966.

Calspan Corporation (formerly CAL); Systems engineering technology for determining task performance requirements for pilot training programs. Prepared for Aerospace Medical Research Laboratory, Wright-Patterson Air Force Base. CAL Proposal 352-68, February 1968.

Calspan Corporation (formerly Cornell Aeronautical Laboratory, Inc.); Construction of a general training system (GENTRAS) for the Marine Corps. Prepared for United States Marine Corps, Department of the Navy, CAL Proposal 1856-70, October 31, 1969.

Calspan Corporation (formerly CAL) and Leasco Systems & Research Corporation; Undergraduate pilot training. For Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio. CAL Proposal 1765-70, 12 September 1969, Vol. I: Technical Proposal. (Proposal #989-A25)

Caro, P.W., Jr., Isley, R.N.; Helicopter trainee performance following synthetic flight training. Journal of the American Helicopter Society, No. 3, July 1966, Vol. 11, pp. 38.

Carpenter, P.; An overview of MODIA: a method for designing instructional alternatives for Air Force training. Rand Corporation, Santa Monica, California. Report R-1018-PR, November 1972.

Carpenter, P., Horner, B.; The MODIA decision process for developing strategies of Air Force instruction. Rand Corporation, Santa Monica, California. Report R-1019-PR, November 1972.

Carter, V.E.; Future undergraduate pilot training system study: training effectiveness analysis. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 15. (AD 881 862)

Carter, V.E., Kahn, O.I.; Future undergraduate pilot training system study: task and commonality analysis. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 3. (AD 881 847)

Charles, J.P., Johnson, R.M., Swink, J.R.; Automated flight training GCI/CIC air attack. Logicon, Inc., San Diego, California, for NAVTRA-EQUIPCEN. Report NAVTRA-EQUIPCEN-72-C-0108-1, November 1973. (AD 772 593)

Carswell Air Force Base, Texas 76127; OTSL Catagog (Reference Guide 75001), 1 March 1973.

- Chenzoff, A.P.; A review of the literature on task analysis methods. Applied Science Associates, Inc., Valencia, Pennsylvania for U.S. Naval Training Device Center. Report NAVTRADEVCEEN 1218-3, 22 June 1964.
- Chenzoff, A.P., Folley, J.D., Jr.; Guidelines for training situation analysis (TSA). Applied Science Associates, Inc., Valencia, Pennsylvania, for United States Naval Training Device Center. Report NAVTRADEVCEEN 1218-4, July 1965.
- Civil Aeronautics Administration: A report of progress on the first stage in the development of a procedure for measuring the proficiency of private pilots. 1950.
- Clark, M.C.; Aspects of transfer that relate to the development and design of instructional materials. Instructional Research Laboratory, Tempe, Arizona, for United States Air Force. Report AF-AFOSR-2128-71, February 1972. (AD 754 980)
- Conant, John E., et al.; Universal aircraft flight simulator/trainer system definition - technical report. Air Force Systems Command, Wright-Patterson Air Force Base, Ohio. Report ASD-TR-70-28, September 1970.
- Conway, Calcom; Method & means for enhancing mental imaging capabilities. U.S. Patent Office. Patent #3,613,266, October 19, 1971.
- Cooban, L.V.; Personnel system projection model, master's thesis. Naval Postgraduate School, Monterey, California. December 1972. (AD 757 279)
- Cooksey, J.A., Man Tong, H.; Compound wide-angle color visual display system and a high resolution, high sensitivity close circuit color television camera developed for wide angle color visual systems. The Singer Co., Binghamton, New York. Paper presented at the AIAA Visual and Motion Simulation Conference, Palo Alto, California, September 10-12, 1973. (AIAA Paper 73-925)
- Crawford, M.P., et al.; HumRRO research in training technology. Human Resources Research Organization, Alexandria, Virginia. Report HumRRO-PP-21-70, June 1970. (ED 048 527)
- Croll, P.R.; Mullins, C.J.; Weeks, J.L.; Validation of the cross-cultural aircrew aptitude battery on a Vietnamese pilot trainee sample. Air Force Human Resources Laboratory, Brooks Air Force Base, Texas, Report AFHRL-TR-73-30, November 1973. (AD 778 072).
- Crum, R.D.; Sortie analysis working papers (U). N. Am. Rockwell for Operations & System Analysis. Report TFD-72-1201 (SECRET) October 10, 1972. (DCC: 057 808).

Dansereau, D.R., Evans, S.H.; Factors related to developing instructional information sequences: Phase I, Texas Christian University, Fort Worth, Texas, for Air Force Human Resources Laboratory. Report AFHRL-TR-73-51(1), March 1974. (AD 777 832)

Defense Documentation Center, Alexandria, Virginia; Psychological tests: Vol. I, A. Achievement tests, B. Psychomotor tests. Report DDC-TAS-73-30-I, June 1973, Vol. I. (AD 760 900)

Defense Documentation Center, Alexandria, Virginia; Psychological tests: Vol. II, A. Intelligence tests, B. Personality tests. Report DDC-TAS-73-30-II, June 1973, Vol. II. (AD 760 910)

Defense Documentation Center, Alexandria, Virginia; Psychological tests. Vol. III, A DDC bibliography. Report DDC-TAS-73-30-III, June 1973, Vol. III. (AD 760 920)

Demerath, N.Y., et al; How to make the 4th revolution Human Factors in the adoption of electronic instructional aids. Washington University for NASA. Report CR 136862, December 1973. (N74-16846).

Dick, R.A., Royal, J.W., Simpson, H.K.; Personnel technology: using an inexpensive computer-based system to teach performance-oriented skill. Human Factors Research, Inc., Galeta, California, for Office of Naval Research. Report TR 1728-1, 1 June 1974. (AD 785 029)

Dieterly, Duncan L.; The evaluation of training with specific emphasis on criteria. Air Force Institute of Technology, Dayton, Ohio, October 1973. (AD 771 009)

Draper, R.; Flight crew training: a quiet revolution. The Boeing Company, Seattle, Washington, in The Boeing Airliner, July 1973.

Eckstrand, G.A.; Current status of the technology of training. Aerospace Medical Division, Wright-Patterson Air Force Base, Ohio, for United States Air Force. Report AMRL-TR-64-86, September 1964.

Eckstrand, G.A., Rockway, M.R.; Spacecrew training: a review of progress and prospects. Wright-Patterson Air Force Base, Ohio. Report ASD TR-61-721, December 1961. (AD 274 190)

Fallentine, B.C., Harris, L.R.; Advanced development work resulting in inventory management (IM) individualized instruction materials. System Development Corporation, Santa Monica, California, for Air Force Human Resources Laboratory. Report AFHRL-TR-74-17, February 1974. (AD 777 833)

Federal Aviation Administration, An instructional systems approach or FAA student-centered training. 8 August 1969. (ED 066 879)

- Flaming, David, Jr.; Handbook for the design of training and training equipment for Navy airborne weapon systems. The Boeing Company, Seattle, Washington, for Naval Air Development Center. Report D180-15073-3, September 8, 1972, Vol. 3.
- Fleishman, E.A.; Kinkade, R.G.; Chambers, A.N.; Development of a taxonomy of human performance: A review of the first year's progress. Advanced Research Projects Agency, Washington, D.C., November 1968. Report AFOSR 69-0657TR (also known by AIR-726-11/68-TPRI). (AD 684 583).
- Fleishman, E.A., Ornstein, G.N.; An analysis of pilot flying performance in terms of component abilities. Journal of Applied Psychology, No. 3, 1960, Vol. 3, pp. 9.
- Florida State University, Tallahassee, Florida; Instructional systems development model (ISD). For the United States Army. July 1974.
- Foley, J.P.; Task Analysis for job performance aids and related training. Air Force Human Resources Laboratory, Brooks Air Force Base, Texas. Report AFHRL-TR-72-73, November 1973. (AD 771 001)
- Folley, J.D., Jr.; Development of an improved method of task analysis and beginnings of a theory of training. Applied Science Associates, Inc., Valencia, Pennsylvania, for United States Naval Training Device Center. Report NAVTRADEVCCEN 1218-1, 22 June 1964.
- Folley, J.D., Jr.; Guidelines for task analysis. Applied Science Associates, Inc., Valencia, Pennsylvania, for United States Naval Training Device Center. Report NAVTRADEVCCEN 1218-2, 22 June 1964.
- Fowell, L.R., Hirsch, D.L., Hesse, M.; Future undergraduate pilot training system study. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Executive Study. (881 871)
- Fowell, L.R., Hirsch, D.L., Hesse, M.; Future undergraduate pilot training system study: synoptic report. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971. (881 872)
- Fry, G.E.; Reinhardt, R.F.; Personality characteristics of jet pilots as measured by the Edwards personal preference schedule. Aerospace Medicine, May 1969, for Naval Aerospace Institute, Pensacola, Florida. 1969.
- Fuege, R.L., Charles, J.P., Miller, R.; Feasibility of automated adaptive GCA (ground controlled approach) controller training system. Logicon, Inc., San Diego, California, for Naval Training Equipment Center. Report NAVTRAEQUIPCEN-73-C-0079-1, April 1974. (AD 778 312)
- Fukushima, A.F., Carolus, R.J.; The Boeing sensor display simulator. The Boeing Corporation. Paper presented at the AIAA Visual and Motion Simulation Conference, Palo Alto, California, September 10-12, 1973. (AIAA Paper 73-921)

Gabriel, R.F., Burrows, A.A., Abbott, P.E.; Using a generalized contact flight simulator to improve visual time-sharing. Douglas Aircraft Co., Inc., Segundo, California, for Naval Training Development Center. Report NAVTRADEVCEEN 1428-1, April 1965. (AD 619047)

Gagne, R.M.; Educational technology and the learning process. Educational Researcher, Report No. 1, January 1974, Vol. 3. (Calspan Lib. 712)

Galanter, E. (Editor); Automatic teaching! The state of the art. John Wiley & Sons, Inc. Report LC 59-14118, 1959.

Gay, R.M.; and Nelson, G.R.; Cost and efficiency in military speciality training. Rand Corporation, Santa Monica, California. Report P-5160, January 1974. (AD 786 652).

Geller, R.E., North, R.A.; Future undergraduate pilot training study: Phase II summary report. Lockheed, Burbank, California. Report LR-23918-3, February 1971, Appendix 3. (AD 882 299)

Geller, R.E., Pierson, W.R.; Future undergraduate pilot training study: Phase I summary report. Lockheed, Burbank, California. Report LR 23578-2, February 1971, Vol. 2. (AD 882 297)

Geller, R.E., Smith, J.F.; Future undergraduate pilot training study: summary report. Lockheed, Burbank, California, for United States Air Force. Report LR 23918, February 1971, Vol. 1. (882 298)

Geller, R.E., Smith, J.F.; Future undergraduate pilot training study, Phase II summary. Lockheed, Burbank, California, for United States Air Force. Report LR-23918-2, February 1971, Vol. 1. (882 291)

Geller, R.E., Smith, J.F.; Future undergraduate pilot training study, Phase II summary. Lockheed, Burbank, California. Report LR-23918-2, February 1971, Vol. 2. (882 292)

Geller, R.E., Smith, J.F.; Future undergraduate pilot training study: Phase III summary and final report. Lockheed, Burbank, California. Report LR 24172-1, February 1971, Vol. 1. (AD 882 294)

Geller, R.E., Smith, J.F.; Future undergraduate pilot training study; Phase III summary and final report. Lockheed, Burbank, California. Report LR 24172-2, February 1971, Vol. 2. (AD 882 295)

Geller, R.E., Smith, J.F.; Future undergraduate pilot training study: Phase III summary and final report. Lockheed, Burbank, California. Report LR 24172-3, February 1971, Vol. 3. (AL 882 296)

Geller, R.E., Smith, J.F.; Future undergraduate pilot training study: simulation requirements and technology. Lockheed, Burbank, California, for United States Air Force. Report LR 23918-2, September 22, 1970, Appendix II, Vol. III. (882 293)

- Gibino, Dominick J.; B-1 aircrew member training equipment systems analysis study, Phase I. Wright-Patterson Air Force Base, Ohio. Report 72-1, January 31, 1972.
- Grace, G.L., et al.; Multi-media training for cross-cultural interaction. System Development Corporation, Dayton, Ohio. 5 April 1967. (AD 651 574)
- Green, C.T.; Airline pilots view of 747 training. Delta Airlines, Inc. Paper presented at the Society of Automotive Engineers Fourth International Simulation and Training Conference, Atlanta, Georgia, May 13, 1971. (710 479)
- Gregor, D.D., Elliott, C.E.; Future undergraduate pilot training system study: conceptual approach to an integrated management system program for the preferred FUPT program. Northrop Corporation, Hawthorne, California, for United States Air Force. Report NOR 70-149, March 1971, Appendix 21. (881 870)
- Hansen, D.N., et al.; The analysis and development of an adaptive instructional model(s) for individualized technical training - phase I. Florida State University, Tallahassee, Florida, for Air Force Human Resources Laboratory. Report AFHRL-TR-72-50(1), August 1973. (AD 781 042)
- Hansen, D.N.; Current research development in computer-assisted instruction. Florida State University, Tallahassee, Florida, for Office of Naval Research. Technical Memo #17, February 1970. (AD 704 152)
- Hansen, D.N., et al.; ONR-sponsored project on computers and instruction. Florida State University, Tallahassee, Florida. Report N00014-68-A-0494, September 1973. (AD 772 579)
- Hansen, D.N., Johnson, B.F., Fagan, R.L.; Computer-based adaptive testing models for the Air Force technical training environment Phase 1: development of a computerized measurement system for Air Force technical training. Florida State University, Tallahassee, Florida, for Air Force Human Resources Laboratory. Report AFHRL-TR-74-48, July 1974. (AD 785 142)
- Hammond, A.; Mathematical models in education and training. United States Air Force. Report RM-6357-PR, September 1970. (AD 712 347)
- Harris, H.F., Seaquist, J.C.; Future undergraduate pilot training system study: system model user's manual. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 16, Part 3. (AD 881 865)
- Heimstra, N.W., Louis, N.B., Yiung, A.R.; Survey of operational flying activities of rotary wing aviation. Human Resources Research Organization, Alexandria, Virginia. Report HumRRO 75, 1962.

- Hensley, J.F., Armstrong, E.B.; Future undergraduate pilot training system study: syllabus of instruction for the preferred FUPT system. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 18. (AD 881 814)
- Hensley, J.F., Van Norman, S.; Future undergraduate pilot training system study: syllabus development. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 19, Part 1. (AD 881 867)
- Hensley, J.F., Van Norman, S.; Future undergraduate pilot training system study: syllabus of instruction for a fighter/attack specialized track. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 19, Part 2. (881 815)
- Herzberg, F.I., Winslow, E.K., Majesty, M.S.; Motivational engineering for pilot training. Air Force Human Resources Laboratory, Brooks Air Force Base, Texas. Report AFHRL-TR-69-3, October 1969. (AD 702 123)
- Horn, R.E., Nicol, E.H.; Information mapping for computer-based learning and information. Information Resources, Inc., Cambridge, Massachusetts, for Electronics System Division. Report ESD-TR-71-165, March 1971. (729 895)
- Horn, R.E.; Nicol, E.K.; Kleinman, J.C., et al; Information mapping for learning and reference. United States Air Force, Report ESD-TR-69-296, August 1969. (699 201).
- Human Factors Laboratory for Naval Training Equipment Center; Annotated bibliography of human factors laboratory reports (1945-1968) Supplement #1. Report NAVTRAEQUIPCEN IH-158. March 1973.
- Human Resources Research Organization, Alexandria, Virginia; The experimental volunteer Army training program: a pictorial report.
- Human Resources Research Organization (HumRRO); HumRRO bibliography of publications & presentations during FY 1972. October 1972.
- International Business Machines, Inc.; Design of training systems Phase II report: Phase II overview. Report TAEG 12-2, December 1974, Vol. I.
- International Business Machines, Inc.; Design of training systems Phase II report: detailed model descriptions. Report TAEG 12-2, December 1974, Vol. II.
- International Business Machines, Inc.; Design of training systems: model program descriptions and operating procedures. Report TAEG 12-2, December 1974, Vol. III.

- Jacobs, T.O.; A guide for developing questionnaire items. Human Resources Research Organization, Alexandria, Virginia. Report HUMRO-RBP-D4-70-1, January 1970. (AD 738 157)
- Jamison, D.; Lhamon, D; Suppes, P.; Learning and the structure of information. Rand Corporation, Santa Monica, California. Report P-4092. July 1969. (AD 691 417)
- Jensen, L.V., Kennedy, R.R.; Human engineering data on control and display design for the B-1 environmental control system. North American Rockwell, Los Angeles, California. Report TFD 73-211-5, 1 March 1973.
- Jensen, L.V., Kennedy, R.R.; Human engineering data on control and display design for the B-1 electrical system. North American Rockwell, Los Angeles, California. Report TFD-73-211-10, 8 March 1973.
- Jensen, L.V., Kennedy, R.R.; Human engineering data on control and display design for the B-1 fuel system. North American Rockwell, Los Angeles, California. Report TFD 73-211-11, 27 February 1973.
- Jeantheau, G.G., Andersen, B.G., Yarnold, K.W.; Systems analysis of AAW training requirements. Dunlap & Associates, Inc., Darien, Connecticut, for United States Naval Training Device Center. Report NAVTRADEVCCEN 1574-1, November 1965.
- Judy, R.W., et al.; Conceptual design for the cost evaluation of alternative educational systems in managing the Air Force Academy and Air Force ROTC. Canadian Commercial Corporation, Ottawa, Ontario, for Air Force Human Resources Laboratory. Report AFHRL-TR-72-2, September 1973. (AD 770 746)
- Kasaba, R., et al.; Scientific design of a hospital training system. Holy Cross Hospital, San Francisco, California, for National Center for Health Services Research. Report HSRD-71-15, July 1971. (PB 201 406)
- Kaufman, R.A., Corrigan, R.E., Nunnally, C.L., Douglas Aircraft Co., Inc.; Instructional system approach to training. Human Factors, April 1966.
- Kelley, C.R.; Testing the effects of extended space missions on piloting skill. Dunlap & Associates, Inc., Darien, Connecticut.
- Kelley, C.R., Prosin, D.J.; Adaptive performance measurement. Dunlap & Associates, Inc., Darien, Connecticut. Report NR196-050, August 15, 1968.
- Kennedy, P.R., Jensen, L.V.; Human engineering data on controls and displays for the B-1 fire protection system. North American Rockwell, Los Angeles, California. Report TFD-73-211-2, 1 March 1973.
- Kingsley, E.H., Stelzer, J.; A theoretical basis for individualized instruction. Human Resources Research Organization, Alexandria, Virginia, for Air Force Human Resources Laboratory. Report AFHRL-TR-74-10, July 1974. (AD 786 040)

Koik, F.F.; Interactive graphics interface for digital logic simulator. Air Force Institute of Technology, Wright-Patterson Air Force Base, California. Report GE/EE/73-15, March 1973. (AD 760 530)

Kramer, R.P.; Future undergraduate pilot training system study: UPT/CCT interface considerations. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 9. (AD 881 850)

Kramer, R.P.; Future undergraduate pilot training system study: Non-USAF training programs. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 10. (881 851)

Kusewitt, J.B.; Development of criteria and methods for evaluating trainer aircraft effectiveness. LTV Aerospace Corporation, Dallas, Texas, for Vought Aeronautics Division. Report R2-55100, March 3, 1967. (AD 651 421)

Lahey, G.F., Hurlock, R.E., McCann, P.H.; Post lesson remediation and student control of branching in computer based training. Naval Personnel and Training Research Laboratory, San Diego, California. Report SRR-73-19, April 1973. (AD 760 670)

Layne, T.J., Morton, P.M.; Flight crew training - a total concept. The Boeing Company, Seattle, Washington. Paper presented at the Society of Automotive Engineers Fourth International Simulation and Training Conference, Atlanta, Georgia, May 13, 1971. (710 474)

Lintz, L.M., Loy, S.L., Hopper, R.; Relationships between design characteristics of avionics subsystems. McDonnell Douglas, St. Louis, Missouri. Report AFHRL-TR-72-70, January 1973. (AD 759 583).

Longo, A.A., Gaddis, J.T., Whitehouse, B.; Preliminary evaluation plan for U.S. Army computerized training. Army Signal Center & School, Fort Monmouth, New Jersey. Report CTS-TR-74-1, January 1974. (AD 777 783)

Marlowe, E.; Escobar, C.; Rowland, G.E.; Annual report in support of advanced development objective 43-13, human factors technology. Rowland & Company, Inc. Hadonfield, New Jersey. Report R&C 70-11-105. November 1970. (AD 716 473).

Marlowe, E.; Escobar, C.; Rowland, G.E.; Annual report in support of advanced development objective 43-13, human factors technology. Rowland & Company, Inc., Hadonfield, New Jersey. Report R&C 72-3-108. May 15, 1972. (AD 744 984).

Mays, J.A., Irish, K.M.; The development and evaluation of an optimized video output from a wide angle optical probe. Systems Research Labs., Inc., Dayton, Ohio, for Air Force Human Resources Laboratory. Report AFHRL-TR-73-22, December 1973. (AD 774 577)

- McCombs, B.L., Marco, R.A., Sprouls, M.W.; Media adjunct programming: an individualized media-managed approach to academic pilot training. McDonnell Douglas Corporation, St. Louis, Missouri. Report AFHRL-TR-73-71(II), April 1974. (AD 779 950)
- McDonnell-Douglas Corporation; Statement of work for advanced instructional system (GEN Specs.), April 1972.
- Melching, W.H., Whitmore, P.G.; A model of the functions of a master instructor. Human Resources Research Organization, Alexandria, Virginia, Report HumRRO-TR-73-23, October 1973. (AD 772 991)
- Middleton, M.C., Papetti, C.J.; Computer managed instruction in Navy training. Naval Training Equipment Center, Orlando, Florida. Report TAEG-14, March 1974. (AD 777 040)
- Miller, R.B.; Anticipating tomorrow's maintenance job. Human Resources Research Center, Alexandria, Virginia, for the Air Force. Research Review 53-1, March 1953.
- Miller, R.B.; Handbook on training and training equipment design. American Institute for Research, Pittsburgh, Pennsylvania, for Wright Air Development Center. Report WADC TR 53-136, June 1953. (AD 16859)
- Miller, R.B.; A method for determining task strategies. American Institute for Research, Silver Spring, Maryland for Air Force Human Resources Laboratory. Report AFHRL-TR-74-26, May 1974. (AD 783 847)
- Miller, R.B.; A method for man-machine task analysis. Aeronautical Medical Laboratory, Wright-Patterson Air Force Base, for American Institute for Research, Dayton, Ohio. Report WADC TR 53-137, 1 June 1953.
- Miller, R.E.; Optimal assignment of Air Force pilots. Air Force Human Resources Laboratory, Brooks AFB, Texas. Report AFHRL-TR-73-59, February 1974. (AD 781 035)
- Miller, R.B.; Recommendations on designing electronics equipment for the job of maintenance. Human Resources Research Center, Alexandria, Virginia. Report Res. Bull. 51-33, December 1951.
- Miller, R.B.; A suggested guide to functional characteristics of training and training equipment. United States Air Force. Report ML-TM-56-14, May 1956. (AD 842 295)
- Mission Analysis Group, Randolph Air Force Base, Texas; Mission analysis on future undergraduate pilot training: 1975 through 1990. Report AFSC-TR-72-001, January 1972, Vol. 1-5.

Morris, Robert E.; Future undergraduate pilot training study - Phase II summary. Lockheed, Burbank, California. Report LR-23918-1, January 1971, Appendix 1, Vol. 1. (AD 514 822)

Moss, R.W., Reising, J.M., Swartz, W.F.; Control of avionic subsystems: the crew station management problem. The Bunker-Ramo Corporation, Westlake Village, California for the United States Air Force. Report TR-72-25, March 15, 1972.

Muckler, J.J.; B-1 life cycle cost analysis methodology. Rockwell International, Los Angeles, California. Report NA-74-352, June 7, 1974.

Natua, F., Pierce, M.B.; USAF training line simulator. Decision Systems Associates, Inc., Rockville, Maryland, for United States Air Force. Report AFHRL-TR-73-61, December 1973. (AD 774 572)

Naval Training Device Center; Commemorative technical journal. November 1971.

Naval Training Equipment Center; Analysis of the transfer of training, substitution and fidelity of simulation of training equipment. TAEG Report #2, 1972. (748 594)

Naval Training Equipment Center; Design of training systems. Phase I summary report. Report TAEG 11-1, December 1973.

Naval Training Equipment Center; Design of training systems. Phase I report. Report TAEG 12-1, December 1973, Vol. 1.

Naval Training Equipment Center; Design of training systems. Phase I report. Report TAEG 12-1, December 1973, Vol. II.

Naval Training Equipment Center, Orlando, Florida; An evaluation of ten techniques for choosing instructional media: "Focus on the trained man". Report TAEG-8, December 1973.

Department of the Navy; Training management system (TRAMS) concept study. Informatics, Inc., Rockville, Maryland. Report N00022-73-C-0024, February 1973. (AD 758 410)

Neiswender, L.; Maximizing your training efficiency: the application of behavioral principles to job training. Mobilization for Youth, Inc., New York, for Experimental Manpower Laboratory. Report DLMA 82-36-71-07-14, November 1972. (PB 214 018)

Northrop Corporation, Hawthorne, California; Future undergraduate pilot training system study (final report). Report NOR 70-149, March 1971, Appendix I.

- Northrop Corporation, Hawthorne, California; Future undergraduate pilot training system study: candidate synthetic flight training requirements. Report NOR 70-149, March 1971, Appendix 12. (881 852)
- Odle, M.L.; ATC angle of attack training. Instrument Flight Center, Randolph Air Force Base, Texas. Report IFC-TR-72-C, July 1972. (AD 757 243)
- Office of Naval Research; Naval research logistics quarterly. Report No. 3, September 1973. (AD 772 443)
- Oliver, J.R., Seaquist, J.C.; Future undergraduate pilot training system study: model flow diagrams and listings. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 16, Part 2. (881 864)
- Oller, R.G.; Human factors thesaurus (an application to task data). System Development Corporation, Santa Monica, California, for Aerospace Medical Research Laboratory. Report AMRL-TR-67-211, March 1968. (AD 670 578)
- Osborn, W.C.; Developing performance tests for training evaluation. Human Resources Research Organization, Alexandria, Virginia, for Department of the Army. Report HUMRRO-PP-3-73, February 1973. (AD 758 436)
- Petruschell, R.L., Carpenter, P.; MODIA applied in the design cost analysis of an innovative Air Force course. Rand Corporation, Santa Monica, California. Report R-1021-PR, December 1972. (LD#000105)
- Pieper, W.J., Foss, F.C., Smith, E.A.; Instructional strategies for a performance-oriented technician course. Applied Science Associates, Inc., Valencia, Pennsylvania, for Air Force Human Resources Laboratory. Report AFHRL-TR-72-74, March 1973. (AD 760 116)
- Pieper, W.J., Smith, E.A.; Development of a video system for rapid generation of learning. Air Force Systems Command, Brooks Air Force Base, Texas. Report AFHRL-TR-72-65, July 1972. (AD 756 522)
- Povenmire, H.K., Roscoe, S.N.; Incremental transfer effectiveness of a ground-based general aviation trainer. Human Factors, December 1973, No. 6, Vol. 15, pp. 534.
- Pritsker, A.A.B., Wortman, D.B., Seum, C.S., Chubb, G.P., Seifert, D.J.; SAINT: Systems analysis of integrated network of tasks. Aerospace Medical Research Laboratory, Dayton, Ohio. Report AMRL-TR-75-126, April 1974.
- Raeke, J.W., et al.; Human engineering: ground operations evaluation checklists. North American Rockwell. Report TFD 72 1163, 23 October 1972.

Rand Corporation, Santa Monica, California; Analysis of systems for Air Force education and training.

Rawlinson, E., Jr.; Future undergraduate pilot training system study: system transition plans. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 20. (AD 881 869)

Reardon, S.E.; Computerized human factors data handling techniques: user's and controller's operating guides. System Development Corporation, Dayton, Ohio, for Air Force Systems Command. Report AMRL-TR-67-226, March 1968. (AD 671 531)

Reed, L.E.; Advances in the use of computers for handling human factors task data. AFSC/Wright-Patterson Air Force Base, Dayton, Ohio. Report AMRL-TR-67-16, April 1967. (AD 656 701)

Rhode, W.E., Esseff, P.J., Pusin, C.J., Quirk, F.B., Shulik, R.; Analysis and approach to the development of an advanced multimedia instructional system. Human Resources Laboratory, Dayton, Ohio. Report AFHRL-TR-69-30, May 1970, Vol. I.

Richardson, W.T., Gainer, C.; Future undergraduate pilot training system study: review and application of instructional concepts and techniques. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 11. (AD 881 860)

Richardson, W.T., Ruis, G.; Future undergraduate pilot training system study: FUPTS student selection and career considerations. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 7. (AD 881 848)

Rigney, J.W., Morrison, D.K., Williams, L.A.; A guide for the application of performance-structure-oriented CAI in naval training: a working paper. University of Southern California, Los Angeles, California, for Naval Training Equipment Center. Report TR-73, July 1974. (AD 784 379)

Rigney, J.W., Towne, D.M., King, C.A.; Interactive computer graphics for performance-structure-oriented CAI. University of Southern California, Los Angeles, California, for Naval Training Equipment Center. Report TR-73, July 1974. (AD 784 475)

Roach, C.D.; A method for least-cost scheduling of personnel through training course sequences. Rand Corporation, Santa Monica, California. Report R-1399-PR, June 1974. (AD 783 629)

Roberts, K.C., Taylor, C.L.; The instructional cue. Arizona State University, Tempe, Arizona, for the United States Air Force. Report AFOSR-TR-73-0017, February 1972. (AD 754 229)

- Rosenzweig, M.R. and Porter, L.W. (Editors); Annual review of psychology (NOTE: Instructional psychology). Annual Reviews, Inc. 1974. (L of C 50-13143)
- Rowland, G.E., Marlowe, E., and Escobar, C.; Annual report in support of advanced development objective. Office of Naval Research for Rowland & Co., Inc., Naval Aerospace Medical Institute, Pensacola, Florida. Report R&C-72-11-111, November 1972. (AD 754 141)
- Ruocco, J.N., Vitale, P.A., Benfari, R.C.; Kinetic cueing in simulated carrier approaches, supplement I: Study details. Naval Training Device Center, Orlando, Florida. Report NAVTRADEVCECEN 1432-1-S1, April 28, 1965. (AD 618 756)
- Rusis, G., Spring, W.G.; Future undergraduate pilot training system study: performance measures. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 14. (AD 881 861)
- Rust, S.K., Smith, J.F., Woodruff, R.R.; Syllabus and syllabus development techniques used in evaluating the A/F37A/T-4G flight simulator. Air Force Human Resources Laboratory, Brooks Air Force Base, Texas. Report AFHRL-TR-74-44, June 1974. (AD 786 412)
- Ryack, B.L., Krendel, E.S.; Experimental study of the natural pilot flight proficiency evaluation model. United States Naval Training Center, Orlando, Florida. Report NAVTRADEVCECEN 323-2, April 1963.
- Samms, F.T.; Scheduling of courses at a naval training facility. Naval Postgraduate School, Monterey, California, September 1973. (AD 769 420)
- Sanger, M.M.; Mockup demonstration of contingency flight crew procedures. North American Rockwell Corporation. Report NA-74-531, July 30, 1974.
- Sanger, M.M.; Mock demonstration of normal flight crew procedures. B1 Division, Rockwell International, Los Angeles, California. Report NA-73-755, October 15, 1973. SECRET
- Schufeldt, C.V.; A new approach to pilot rating scales. Naval Postgraduate School, Monterey, California. September 1971. (AD 780 405)
- Schulz, U., Seelmann, H.; Views regarding validity of results from simulation testing in comparison with results from actual flight test. Leo Kanner Associates, Redwood City, California, for NASA. Report NASA TT F-15,172, November 1973. (N 74 10922)
- Schumacher, S.P., Glasgow, Z.; Instructional system development handbook: introduction. Applied Science Associates, Valencia, Pennsylvania, for Air Force Human Resources Laboratory, November 1972.

Schumacher, S.P., Glasgow, Z.; Instructional system development handbook: identifying job performance requirements. Applied Science Associates, Valencia, Pennsylvania, for Air Force Human Resources Laboratory. Preliminary Report, November 1972, Sec. I.

Schumacher, S.P., Glasgow, Z.; Instructional system development handbook: determining criterion objectives. Applied Science Associates, Valencia, Pennsylvania, for Air Force Human Resources Laboratory. Preliminary Report, November 1972, Sec. II.

Schumacher, S.P., Glasgow, Z.; Instructional system development handbook: specifying teaching steps for achieving criterion objectives. Applied Science Associates, Valencia, Pennsylvania, for Air Force Human Resources Laboratory. Preliminary Report, November 1972, Section III.

Schumacher, S.P., Glasgow, Z.; Instructional system development handbook: constructing tests. Applied Science Associates, Valencia, Pennsylvania, for Air Force Human Resources Laboratory, Preliminary Report, November 1972, Section IV.

Schumacher, S.P., Glasgow, Z.; Instructional system development handbook: selecting media. Applied Science Associates, Valencia, Pennsylvania, for Air Force Human Resources Laboratory. Preliminary Copy, November 1972, Section V.

Schumacher, S.P., Glasgow, Z.; Instructional system development handbook: developing instructional material. Applied Science Associates, Valencia, California, for Air Force Human Resources Laboratory, Preliminary Copy, November 1972, Section VI.

Schumacher, S.P., Pearlstein, R.B.; A comprehensive key word index and bibliography on instructional systems development. Applied Science Associates, Valencia, Pennsylvania, for Air Force Human Resources Laboratory. Report AFHRL-TR-74-14, February 1974. (AD 777 192)

Schumacher, S.P., Wiltman, S.; A compendium of research and development needs on instructional system development. Applied Science Associates, Inc., Valencia, Pennsylvania, for Air Force Human Resources Laboratory. Report AFHRL-TR-74-15, February 1974. (AD 777 196)

Seay, D.L.; Simulator performance validation and improvement through recorded data. United Air Lines, Denver, Colorado. Paper presented at the AIAA Visual and Motion Simulation Conference, Palo Alto, California, September 10-12, 1973. (AIAA Paper 73-938)

Seccatore, L.A.; Course scheduling to find the minimum cost set of facilities required (Master's thesis). Naval Postgraduate School, Monterey, California, September 1972. (AD 754 345)

Seeman, J.S., Murphy, G.L.; Study to validate the non-interference performance assessment (NIPA) technique. McDonnell-Douglas Corporation for National Aeronautics and Space Administration. Report MDC G4465, February 1973. (N73-19164)

Semple, C.A.; Guidelines for implementing training effectiveness evaluations. Manned Systems Sciences, Inc., Northridge, California, for Naval Training Equipment Center. Report NAVTRAEQUIPC-72-C-0209, April 1974. (AD 778 349)

Semple, C.A., Heary, R.; Analysis of human factors data for electronic flight display. Manned Systems Sciences, Inc., Northridge, California, for United States Air Force. Report AFFDL-TR-70-174, April 1971. (AD 884 770)

Semple, C.A., Heapy, R.J., Conway, E.J.; Navigator-observer utilization field flying specialties study. Manned Systems Sciences, Inc., Northridge, California, for Air Force Human Resources Laboratory. Report AFHRL-TR-72-10(1), April 1972. (AD 907 096)

Semple, C.A., Jr., Heapy, R.J., Conway, E.J.; Navigator-observer utilization field flying specialties study. Air Force Human Resources Laboratory, Brooks Air Force Base, Texas. Report AFHRL-TR-72-10(III), April 1972, App. II.

Semple, C.A., Jr., Heapy, R.J., Conway, E.J.; Navigator-observer utilization field flying specialties study. Air Force Human Resources Laboratory, Brooks Air Force Base, Texas. Report AFHRL-TR-72-10(IV), April 1972, App. III.

Semple, C.A., Majesty, M.S.; Operational tasks oriented flying training program for pilot training: the systems approach. Air Force Human Resources Laboratory, Brooks Air Force Base, Texas. Report AFHRL-TR-68-4, January 1969. (AD 685 776)

Seltzer, R.A.; Who gets instructed in computer assisted instruction? Educational Technology, January 1974, No. 1, Vol. 14, pp. 26. (Calspan Library 712-34)

Shearer, J.T.; Control display subsystem functional description B-1 avionics--offensive system. Boeing Company, Seattle, Washington. Report D229-10345-1, Preliminary.

Shearer, J.T.; Crew procedures/workload analysis B-1 avionics--offensive system. Boeing Company, Seattle, Washington. Report D229-10346-1, Preliminary.

Shriver, Edgar L.; Determining training requirements for electronic system maintenance: development and test of a new method of skill and knowledge analysis. Human Resources Research Organization, Alexandria, Virginia. Report HumRRO TR 63, June 1960. (AD 239 416)

- Siegel, A.I., Federman, P.J.; Development of a method for deriving required training aids/devices and application to the tactical coordinator position in ASW. Applied Psychological Sciences, Inc., Wayne, Indiana. Report NAVTRADEVCEEN-68-C-0212-1, June 1970. (AD 872 267)
- Siegel, A.I., Federman, P.J., Sellman, W.S.; A survey of study measurement and course evaluation procedures within the Air Training Command. Applied Psychological Services, Wayne, Pennsylvania, for Air Force Human Resources Laboratory. Report AFHRL-TR-74-5, July 1974. (AD 786 041)
- Sitterley, T.E.; Degradation of learned skills static practice effectiveness for visual approach and landing skill. Boeing Aerospace Co., Seattle, Washington, for National Aeronautics and Space Administration. Report NASA CR-140225, May 1974. (N74-32560)
- Sitterley, T.E., Zaitzeff, L.P., and Berge, W.A.; Degradation of learned skills: effectiveness of practice methods on visual approach and landing skill retention. Boeing Aerospace Company, Seattle, Washington. Report D180-15082-1, October 1972. (N73 23083)
- Smith, B.J.; Task analysis methods compared for application to training equipment development. Applied Science Associates, Inc., Valencia, Pennsylvania, for United States Training Device Center. Report NAVTRADEVCEEN 1218-5, 7 September 1965.
- Smith, R.O., Jr.; Design of instructional systems. George Washington University, Alexandria, Virginia, for Human Resources Research Organization. Report HumRRO TR-66-18, November 1966. (AD 644 054)
- Smode, A.F.; Training device design: human factors requirements in the technical approach. Dunlap & Associates, Inc., Darien, Connecticut. Report NAVTRAEQUIPCEN-71-C-0031-1, August 1972. (AD 754 744)
- Smode, A.F., Meyer, D.E.; Research data and information relevant to pilot training: general features of Air Force pilot training and some research issues. Biotechnology, Inc., Arlington, Virginia, for Aerospace Medical Research Laboratory. Report AMRL-TR-66-99, July 1966, Vol. I. (AD 801 776)
- Smode, A.F., Post, T.J., Meyer, D.E.; Research data and information relevant to pilot training: description of pilot job requirements and training practices for representative missions and associated aircraft. Aerospace Medical Research Laboratory, Dayton, Ohio. Proj. AF-1710, July 1966, Vol. II. (AD 803 281)
- Snyder, T.A., Mctee, A.C.; Human engineering for the Air Force control-display program. Bunker-Ramo Corporation, Westlake Village, California, for the United States Air Force. Report SA-72-1, June 1972. (AD 754 916)

- Stewart, W.A.; Pilot management policy and pilot training rates. The Rand Corporation, Santa Monica, California. Report R-690-PR, March 1971. (AD 729 760)
- Stolurow, L.M.; Systems approach to instruction. Illinois University, Urbana, Illinois. Report TR-7, July 1965. (AD 619 186)
- Strasser, J.A.; Grumman expands lunar mobility testing. Aerospace Technology, January 15, 1968.
- Strategic Air Command; Aircrew training devices. Report SACR 50-46, January 4, 1974.
- Strategic Air Command; B-52 and FB-111 navigator standardization/evaluation grading. Report SACM 60-4, Vol. V, November 17, 1973.
- Strategic Air Command; B-52 electronic warfare officer standardization/evaluation grading. Report SACM 60-4, Vol. VI, November 30, 1973.
- Strategic Air Command; Bombing/navigation operations (RCS:SAC-DOT(M)7105). Report SACM 50-4, January 4, 1974.
- Strategic Air Command; FB-111 aircrew training program. Report CCTSP 51-111, May 15, 1974.
- Strategic Air Command; FB-111 simulator lesson guide, 380 BW Strategic Air Command DOTD, 1 July 1974.
- Strategic Air Command; Instructor duties and minimum qualifications for aircrew positions. SAC Regulation 60-7, Vol. I, December 4, 1973.
- Strategic Air Command; Qualification of aircrew members - B-52 aircraft. Manual 51-52, April 10, 1974.
- Strategic Air Command; Qualification training for SAC aircrew members. Report SACM 51-10, December 21, 1973.
- Strategic Air Command; Operational ground training requirements. Report SACR 50-24, December 30, 1974.
- Strategic Air Command; Operational readiness inspection (ORI)/buy none exercise. Report SACR 50-5, Vol. I., November 29, 1974.
- Strategic Air Command; Operational readiness inspection (ORI)/buy none scoring tables. Report SACR 50-5, Vol. III, January 10, 1975.
- Strategic Air Command; Pilot standardization/evaluation grading. Report SACM 60-4, Vol. IV, December 7, 1973.

Strategic Air Command; Qualifications of aircrew members - FB-111 aircraft. Manual 51-111, Revised July 12, 1974. (LD 000581)

Strategic Air Command; Standardization/evaluation program. Report SACM 60-4, March 15, 1974.

Strategic Air Command; Training concepts, policies, and instructions-- SAC units and aircrews. Manual 51-8, December 14, 1973.

Strategic Air Command; Training requirements for medium bombardment aircrews FB-111A aircraft. Manual 51-8, December 14, 1973, Vol. VI.

Strategic Air Command; Training requirements for heavy bombardment aircrews - B-52 aircraft. Manual 51-8, June 21, 1974.

Strategic Air Command; Training requirements for medium bombardment aircrews - GB-111A aircraft. Report SACM 51-8, June 14, 1974, Vol. VI.

Sullivan, D.J., Smith, E.A.; Instructional media and carrel systems. Hughes Aircraft Company, Culver City, California, for Air Force Human Resources Laboratory. Report AFHRL-TR-72-48, February 1974. (AD 778 068)

Sullivan, D.J., Smith, E.A., Filinger, R.H.; A survey of the present state-of-the-art in learning center operations. Hughes Aircraft, Culver City, California, for Air Force Human Resources Laboratory. Report AFHRL-TR-74-11, February 1974. (AD 776 776)

Summer, C.F.; Simulation system programming design manual. Naval Training Equipment Center, Orlando, Florida. Report NAVTRAEQUIPC-1089-1-Rev-1, April 1973. (AD 760 309)

Tactical Air Command; Aircrew weapons systems information guide: T-29 navigator. Pamphlet 51-275, January 15, 1973, Vol. II.

Tactical Air Command; Air crew weapons system information guide: T-29 pilot/flight mechanic. Pamphlet 51-275, July 15, 1972, Vol. I.

Tactical Air Command; C-130E flight simulator: pilot, copilot, flight engineer continuation training. Pamphlet 51-8, February 14, 1974.

Tactical Air Command; C-130E flight simulator: pilot's questionnaire. Pamphlet 51-9, February 18, 1974.

Tactical Air Command; Dissimilar aircraft air combat training. Regulation 51-2, September 24, 1973.

Tactical Air Command; F-111 aircrew operational procedures. Manual 55-111, February 12, 1974.

- Tactical Air Command; Instructional systems development, curriculum review, training standards, and grading criteria. Regulation 53-3, August 6, 1974.
- Tactical Air Command; Instructional systems development (ISD). Manual 50-300, June 25, 1973. (LD 000515)
- Tactical Air Command; Numerical index of TAC standard recurring, specialized, and miscellaneous publications. Report Regulation 0-2, August 1, 1974.
- Tactical Air Command; Special category tactical fighter flying training. Regulation 51-4, December 15, 1972.
- Tactical Air Command; System training program (STP). Manual 50-8, December 13, 1973.
- Tactical Air Command; TAC formal flying and related training publications system. Regulation 8-1, August 16, 1973.
- Taylor, C.L.; Response factors and selective attention in learning from instructional materials (an annotated bibliography). Arizona State University, Tempe, Arizona, for Air Force Human Resources Laboratory. Report AFHRL-TR-72-63, April 1972. (AD 754 850)
- Taylor, E.C., Roque, E.M.; Future undergraduate pilot training system study: future UPT options evaluation data. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 17. (AD 881 866)
- Tetmeyer, Maj. Donald C.; Simulating the maintenance manning required for new weapon systems (preliminary draft). Air Force Human Resources Laboratory, Brooks Air Force Base, Texas.
- Tewell, J.R., Ray, A.M., Meirick, R.P., Polhemus, C.E.; Teleoperator visual system simulations. Martin Marietta Corporation. Paper presented at the AIAA Visual and Motion Simulation Conference, Palo Alto, California, September 10-12, 1973. (AIAA Paper 73-920)
- Thiegles, J.R., Matheny, W.G.; Analysis of visual discriminations in helicopter control. Human Resources Research Organization, Alexandria, Virginia. Report HumRRO-71-13, June 1971. (AD 730 500)
- Thomason, W.C.; Detail specification cockpit procedures trainer - A-7D aircraft, A/F37A-T44. Vought Aeronautics Division, Report 216-PTEX-D01, August 1970.
- Thurston, S.; Future undergraduate pilot training system study: derivation of aircraft requirements from training requirements--system logic. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 13, Part 1. (AD 881 353)

Thurston, S., Cox, W.E.; Future undergraduate pilot training system study: two-place primary trainers. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 13, Part 2. (AD 881 854)

Thurston, S., Cox, W.E.; Future undergraduate pilot training system study: three-place trainers. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 13, Part 3. (AD 881 855)

Thurston, S., Cox, W.E.; Future undergraduate pilot training system study: two-place basic fighter trainers. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 13, Part 4. (AD 881 856)

Thurston, S., Cox, W.E.; Future undergraduate pilot training system study: three-place basic fighter trainers. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 13, Part 5. (AD 881 857)

Thurston, S., Cox, W.E.; Future undergraduate pilot training system study: derivation of aircraft requirements from training requirements. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 13, Part 6. (AD 881 858)

Thurston, S., Cox, W.E.; Future undergraduate pilot training system study: three-place universal trainers. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 13, Part 7. (AD 881 859)

Trexler, J.T., Theisen, C.J.; A synoptic view of the need for CP aircrew member training optimization. Task Group Delta, Norfolk, Virginia, for Naval Air Systems Command. Report DELTA-22, 31 May 1968. (AD 670 755)

Trexler, R.C., Loustaunau, P.E.; A plan for ULMS weapon system maintenance and its personnel implications. Human Resources Research Organization, Alexandria, Virginia. Report HUMRO-TR-72-36, November 1972. (AD 753 816)

Tulley, A.T., et al.; Implementation of computer software techniques to human factors task data handling problems. Systems Development Corporation, Dayton, Ohio, for United States Air Force. Report AMRL-TR-67-127, September 1967. (AD 663 209)

Tulley, A.T., Meyer, G.R., et al.; Development and application of computer software techniques to human factors task data handling problems. System Development Corporation, Dayton, Ohio. Report AFHRL-TR-68-13, November 1968. (AD 682 362)

Tuttle, Frederick L., Brown, Frank A., Voss, William J., et al.; Facility definition study for a universal aircraft flight simulator trainer. Conductron-Missouri, for United States Air Force Aerospace Research Pilot School, Edwards Air Force Base, California. Report FTC-TR-68-6, November and December 1967.

Training Analysis Engineering Group; Electronics warfare training analysis. Report TAEG #4, 1972. (LD 000793)

Training Analysis & Evaluation Group, Orlando, Florida; Staff study on cost and training effectiveness of proposed training systems. Naval Training Equipment Center. Report TAEG-1, 1972.

Valverde, H.H.; Learner-centered instruction (LCI): systems approach to electronics maintenance training. Aerospace Medical Research Laboratory, Dayton, Ohio, for United States Air Force. Report AMRL-TR-67-208, July 1968, Vol. I. (AD 846 721)

Valverde, H.H.; A systems approach to C-130E aircrew transitional training. Air Force Human Resources Laboratory, Brooks Air Force Base, Texas. Report AFHRL-TR-71-4, March 1971. (AD 727 055)

Valverde, H.H.; A systems approach to electronics maintenance training. Air Force Human Resources Laboratory, Brooks Air Force Base, Texas, September 1969. (AD 698 752)

Valverde, H.H., Burkett, R.P.; A systems approach to C130-E aircrew transitional training. Air Force Human Resources Laboratory, Brooks Air Force Base, Texas. Report AFHRL-TR-71-4, March 1971. (AD 727 055)

Valverde, H.H., Roberts, R.E.; A responder for use in programmed lectures. Wright-Patterson Air Force Base, Dayton, Ohio. Report TR 70-5, May 1970.

Van Cott, H.P., Kinkade, R.G.; Human engineering guide to equipment design. American Institute for Research, Washington, D.C., for Army-Navy-Air Force Steering Committee. 1972. (AD 758 339)

Van Norman, S.D., Kramer, R.; Future undergraduate pilot training system study: syllabus development materials. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 19, Part 3. (AD 881 868)

Vanesian, A.; Future undergraduate pilot training system study: UPT base systems. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 8. (AD 881 849)

Vest, C.R. (Editor); Naval education and training: a symposium. National Security Industry Association, Washington, D.C., January 10-11, 1974.

Wagner, Harold, et al.; Individualized course completion time predictions: development of instruments and techniques. Human Resources Research Organization. Alexandria, Virginia, for Army Research Institute. Report HumRRO-TR-73-26, November 1973. (AD 772 992)

Washington State Department of Personnel; Task analysis handbook. Report USCSC-73 WA 02C-14, July 1973. (PB-226 682)

Watson, J.R., Oliver, J.R.; Future undergraduate pilot training system study: model description and user instruction. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 16, Part 1. (AD 881 863)

Weingarten, K., Hungerland, J., Brennan, M.F.; Development and implementation of a quality-assured, peer-instructional model. Human Resources Research Organization, Alexandria, Virginia, for Department of the Army. Report HumRRO-TR-72-35, November 1972.

Welp, D.W., Brown, R.A., Scott, R.W.; A computer program for simulation and effectiveness evaluation of avionics for military aircraft. Air Force Avionics Laboratory. Report AFAL-TR-73-44, February 1973. (AD 908 739)

Whiteman, I.R.; The role of computers in handling aerospace systems human factors task data. United States Air Force, Dayton, Ohio, for Aerospace Medical Division. Report AMRL-65-206, December 1965.

Wilks, W.E.; Northrop development training target for anti-sub warfare. Aerospace Technology, January 15, 1968.

Williams, R.H., Talbert, E., Cochran, T.C., Potter, K.W.; Overall application of computer technology to the education and research programs of Air University. System Development Corporation, Santa Monica, California, for Air Force Human Resources Laboratory. Report AFHRL-TR-69-8, December 1969. (703 730)

Wood, M.E.; Improved crew member training through a new philosophy toward training. Air Force Human Resources Laboratory, Brooks Air Force Base, Texas. Report AFHRL-TR-70-31, August 1970. (AD 723 313)

Wortman, D.B., Pritsker, A.A.B., Seum, C.S., Seifert, D.J., Chubb, G.P.; SAINT: User's manual. Aerospace Medical Research Laboratory, Dayton, Ohio. Report AMRL-TR-73-128, April 1974.

Wortman, D.B., Sigal, C.E., Pritsker, A.A.B., Seifert, D.J.; New SAINT concepts and the SAINT II simulation program. Pritsker & Associates, Inc., West Lafayette, Indiana, for Aerospace Medical Research Laboratory. Report AMRL-TR-74 (Preliminary), June 1974.

Wright Air Development Division; Uses of task analysis in deriving training and training equipment requirements. Report WADD TR-60-593, December 1960.

Wulf, R.E.; Future undergraduate pilot training system study. Northrop Corporation, Hawthorne, California. Report NOR 70-149, March 1971, Appendix 4. (AD 514 312) CONFIDENTIAL

LISTING OF TECHNICAL MEETINGS FOR B-1 SAT DATA COLLECTION

DATE	SUBJECT/PURPOSE	PARTICIPANTS	LOCATION
4/19/74	INVESTIGATE AMERICAN AIRLINES FLIGHT TRAINING SYSTEM FOR COMMERCIAL FLIGHT CREWS	MR. G. WYNN	AMERICAN AIRLINES FLIGHT ACADEMY, FORTH WORTH, TX
5/30/74	REVIEW PAST, CURRENT & FUTURE INSTRUCTIONAL SYSTEM DEVELOPMENT (ISO)	MR. E. RILEY LCDR M. OUITIQUIT	CNET, PENSACOLA, FL
5/31/74	REVIEW PAST, CURRENT & FUTURE INSTRUCTIONAL SYSTEM DEVELOPMENT (ISD) WITH REPRESENTATIVES OF HUMAN FACTORS LABORATORY, TRAINING ANALYSIS AND EVALUATION GROUP, AND NAVAIRSYSCOM	LCDR P. CHATELIER J. DUVA H. OKRASKI G. HALL A. SMODE J. PUIG R. BROWNING R. BIRD W. BONEY	NTEC, ORLANDO, FL
6/20/74	INSPECT FB-111 CCTS	LT. COL. CHRISTIANSEN SGT. PORTER CAPT. BREEN CAPT. HAYDEN MAJ. WOLFE MAJ. WACHSMUTH	PLATTSBURGH AFB, NY
7/25 - 8/2/74	GATHER INSTRUCTIONAL SYSTEM DEVELOPMENT INFORMATION	MR. R. FLEXMAN DR. S. ROSCOE MR. G. BEUTLER MR. D. SEAY MR. M. SAINGER DR. P. CARPENTER MR. R. PYLES	AVIATION LABORATORY UNIVERSITY OF ILLINOIS, UNITED AIRLINES TRAINING FACILITY, DENVER, CO BOEING CO., SEATTLE, WA ROCKWELL INT'L CORP. LOS ANGELES, CA RAND CORP., SANTA MONICA, CA
9/11-12/74	GATHER INFORMATION RELEVANT TO THE INCOMING SKILLS AND KNOWLEDGES AND SIMULATION FROM FB-111 CCTS.	MAJ. G. DART (SAC) CAPT. J. BREEN (SAC) MAJ. G. DIETRICH (SAC) COL. G. HECKER (SAC)	PLATTSBURGH AFB, NY
10/9/74	ATTEND BRIEFING ON FORWARD LOOKING INFRARED SIMULATION	MR. W. FOLEY (AFHRL)	WPAFB, OH
10/10/74	OBTAIN INFORMATION RELEVANT TO TRAINING DEVICES	MR. J. MILAZZO	TRAINER CORPORATION OF AMERICA, BUFFALO, NY
10/11/74	OBTAIN INFORMATION ABOUT THE FB-111 CCTS AND SIMULATION FACILITY	LT. COL. E. CHRISTIANSEN (SAC) MAJ. W. WACHSMUTH (SAC) MAJ. W. HOSTETTER (SAC)	PLATTSBURGH AFB, NY
10/30-31/74	ATTENDED ATC TRAINING CONFERENCE	DR. M. ROCKWAY (AFHRL)	SHEPARD AFB, TX
11/6/74	OBTAIN INFORMATION RELEVANT TO INCOMING SKILLS/KNOWLEDGES FROM UNDERGRADUATE PILOT TRAINING (UPT)	MAJ. HARRIS (ATC)	RANDOLPH AFB, TX
11/7/74	OBTAIN INFORMATION RELEVANT TO INCOMING SKILLS/KNOWLEDGES FROM UNDERGRADUATE NAVIGATOR TRAINING (UNT)	LT. COL. G.W. ENGEL, JR. (ATC)	RANDOLPH AFB, TX
11/13-14/74	ANNUAL PROGRAM REVIEW	DR. S.N. ROSCOE	AVIATION RESEARCH LABORATORY, UNIVERSITY OF ILLINOIS, CHAMPAIGN, IL

LISTING OF TECHNICAL MEETINGS FOR B-1 SAT DATA COLLECTION (Continued)

DATE	SUBJECT/PURPOSE	PARTICIPANTS	LOCATION
11/18/74	GATHER INFORMATION RELEVANT TO SIMULATION	DR. W.M. BUNKER	GENERAL ELECTRIC CO. DAYTONA BEACH, FL
12/5/74	OBTAIN INFORMATION RELEVANT TO STATE-OF-THE-ART IN VISUAL SIMULATION	MR. R. HOUSTON MR. G. WYNN	AMERICAN AIRLINES FLIGHT ACADEMY, FORT WORTH, TX
12/4-5/74	OBTAIN INFORMATION ABOUT THE B-52 D/F CCTS	LT. COL. J. COOLIDGE (SAC)	BARKSDALE AFB, LA
12/6/74	DISCUSSION OF INSTRUCTIONAL SYSTEM DESIGN PROCEDURES AND RELATIONSHIP BETWEEN B-1 AIR-CREW AND MAINTENANCE TRAINING	COL. A.G. KENDRICK COL. S. SHRUM LT. COL. JOCHEN LT. COL. C. WALDEN LT. COL. S. HESS MAJ. L. WOOD SMSGT. R. MOON MR. E. MOORE	RANDOLPH AIR FORCE BASE, TX
12/13/74	OBTAIN INFORMATION RELEVANT TO THE SIMULATION TECHNOLOGY REPORT FROM AF SIMULATOR SPO AND ASD	MR. R. SWAB MR. D. GIBINO	WPAFB, OH
12/16/74	OBTAIN INFORMATION RELEVANT TO FB-111 NAVIGATOR TRAINING	LT. COL. D. HERING (YHS/BOEING)	WPAFB, OH
12/16/74	OBTAIN INFORMATION ABOUT B-52 ISD	DR. J. SKEEN	HUGHES AIRCRAFT HAWTHORNE, CA
12/17/74	OBTAIN INFORMATION ABOUT PRESENT B-52 CCTS	CAPT. SWIHARA	CASTLE AFB, CA
12/18/74	OBTAIN INFORMATION ABOUT TRAINING DEVICES FROM UNT, NBT, AND EWO	LT. COL. R. THOMPSON COL. O. McCURTAN	MATHER AFB, CA
12/18/74	OBTAIN INFORMATION RELEVANT TO ELECTRONIC WARFARE TRAINING	MR. D. REEVES (YHS)	WPAFB, OH
12/19/74	OBTAIN INFORMATION RELEVANT TO THE SIMULATION TECHNOLOGY REPORT	MR. DUSTERBERRY	NASA-AMES MOUNTAIN VIEW, CA
1/8/75	DISCUSS SIMULATION STATE-OF-THE-ART	MR. A. DOTY (ASD/ENCT)	WPAFB, OH
1/16/75	OBTAIN INFORMATION ABOUT SIMULATION	LT. COL. W. BLACK (PENTAGON)	WASHINGTON, DC
1/20/75	ATTEND WORKSHOP ON SIMULATION SPONSORED BY FDL, AFOSR, HRL AND AMRL	MR. B. CREAM (AFHRL) DR. C. HUTCHINSON (AFOSR) DR. W. HAGEN (AFHRL)	WPAFB, OH
1/28/75	DISCUSS STATE-OF-THE-ART IN SIMULATION	MR. R. TAYLOR (SINGER) MR. D. ADZIGIAN (SINGER) MR. R. GREENLY (SINGER)	CALSPAN, BUFFALO, NY
1/13/75	DISCUSS MEDIA SELECTION CONSIDERATIONS	DR. E. SMITH (AFHRL)	LOWRY AFB, CO
2/18/75	REVIEW ADVANCED INSTRUCTIONAL SYSTEM (AIS) DATA AND PROCEDURES	DR. E.A. SMITH MAJ. R. GROSSEL	LOWRY AFB, CO

LISTING OF TECHNICAL MEETINGS FOR B-1 SAT DATA COLLECTION (Continued)

DATE	SUBJECT/PURPOSE	PARTICIPANTS	LOCATION
2/20/75	DISCUSS SIMULATION REQUIREMENTS	LT. COL. W.H. WITTEKIND MAJ. E.E. CURBOW	U.S. ARMY AVIATION CENTER FT. RUCKER, AL
2/21/75	DISCUSS SIMULATION REQUIREMENTS WITH COAST GUARD, AVIATION TRAINING	MR. H.K. POVENMIRE	BATES FIELD, MOBILE, AL
3/5/75	DISCUSS CONCEPTS FOR SYSTEMS OPERATORS SIMULATION REQUIREMENTS	MR. J. MATAVA	BOEING CO. SEATTLE, WA
3/25/75	OBTAIN INFORMATION ON SIMULATOR PROCUREMENT	MR. C. CASCARDO MR. J. ALLEN MR. J. HENDERSEN	WPAFB, OH
4/2/75	OBTAIN INFORMATION RELEVANT TO RESEARCH ON SIMULATION FOR TRAINING	DR. W. HAGIN (AFHRL)	WILLIAMS AFB, AZ
4/3/75	TO DISCUSS SIMULATION FOR AIRCREW TRAINING	CMDR. R. KING	NAS, SAN DIEGO, CA
4/18/75	DISCUSSING STATE-OF-THE-ART IN SIMULATION	MR. D. PIPKIN (ASD/ENCT) MR. D. SHUMWAY (ASD/ENCT) MR. J. NEFF (ASD/ENCT) MR. P. BABEL (ASD/ENCT)	WPAFB, OH
4/18/75	DISCUSSING TRAINING DEVICE REQUIREMENTS	MR. B. CREAM (AFHRL) DR. G. KLEIN (AFHRL) MR. A. GILL (AFHRL)	WPAFB, OH
4/25/75	VERIFY ASSUMPTIONS WITH SAC INSTRUCTOR PERSONNEL	MAJ. W. HOSTETTER MAJ. W. WACHSMUTH	PLATTSBURGH AFB, NY
5/19/75	DISCUSS SOFTWARE SUPPORT CAPABILITY	LT. COL. J. CANADAY MAJ. C. BUCKENMAIER MAJ. J. DEMUTH MR. P. BABEL	WPAFB, OH
5/28/75	DISCUSS TRAINING COURSE SEQUENCES	MAJ. HOSTETTER CAPT. J. BRISBY	PLATTSBURGH AFB, NY
7/24/75	DISCUSS DATA COLLECTION TECHNIQUES	MR. B. CREAM (AFHRL) DR. G. KLEIN (AFHRL) DR. T. EGGEMEIER (AFHRL)	WPAFB, OH