

**Wichita State University Libraries
Department of Special Collections**

UNIVERSITY ARCHIVES

**06-24-00-03
NIAR Reports**

Box 1

- 90-1 Program Plan International Aircraft Operator Data Base
- 90-5 A Measurement of the Effectiveness of the Airway Science Program to Meet Federal Aviation Administration Work Force Needs
- 90-6 Biodynamic Simulations of an Aircraft Pilot/Passenger in Various Crash Environments
- 90-7 Human Performance in Cockpit-Related Systems
- 90-8 Heat Sink Effects on Weld Bead- VPPA Process
- 90-9 Robotic-Aided System for Inspection of Aging Aircraft
- 90-11 Mechanisms for Solid Particle Erosion in Ductile and Brittle Materials
- 90-12 Mechanical Paint Removal Techniques for Aircraft Structures
- 90-13 Surface Condition Effect on the Fatigue Behavior of Aluminum Lithium Alloys
- 90-14 A Comparison of the Post-Buckling Behavior of Metallic and Composite Plates with Centrally Located Cutouts
- 90-15 Scratches and Shot Peening Effects on the Fatigue Life of Aluminum-Lithium Alloys
- 90-16 A Modified Ubbelohde Viscometer with Improved Dilution Characteristics
- 90-17 Prediction Methodologies for Nonlinear Aerodynamic Characteristics of Control Surfaces
- 90-18 Human Factors: The Human Interface with Aircraft Interiors
- 90-19 Resin Transfer Molding of Composite Aircraft Interior Furnishings
- 90-20 Design and Construction of a Wall-Climbing Robot
- 90-21 Dedication of National Institute for Aviation Research
- 90-22 Design of a Wall-Scaling Robot for Inspection and Maintenance
- 90-23 Optimization of Spur Gear Systems by Tooth Profile and Face Width Modifications
- 90-24 The Effect of Paint Removal by Natural Bead Blasting on the Surface Morphology of Composite Materials
- 90-25 Study of Precipitation and Deformation Characteristics of the Aluminum-Lithium Alloy by X-Ray Double Crystal Diffractometry
- 90-26 Comparative Study of Phosphosilicate Glass on (100) Silicon by Furnace and Rapid Isothermal Annealing
- 90-27 A Generalized Contact/Impact Analysis of Mechanical Systems
- 90-28 Finite Size Effects and Film Materials
- 90-29 Local Plasticity Effect in Impact Analysis of Solids

- 90-30 The Effect of negative Poisson's Ratio on the fracture Behavior of Composite Laminates
- 90-31 Program Plan International Aircraft Operator Information System Phase II
- 90-32 Program Plans Aviation Safety Research
- 90-33 The Effect of Special Orientation on the fracture Behavior of graphite/Epoxy Laminates
- 91-1 Proceedings: Techfest XVII
- 91-2 Modeling of Thin Au/Ni Multilayers
- 91-3 Kansas Aviation Review
- 91-4 Preparation and Characterization of Polyelectrolyte Copolymers Containing Methyl Methacrylate and 2-Hydroxyethyl Methacrylate Part 1: Polymers Based on Methacrylic Acid
- 91-5 X-Ray Rocking Curve Analysis of Aging and Deformation Characteristics in Al-Li Alloys
- 91-6 Characterization of Acetylene Terminated Sulfone (ATS) Resin Part 1: Chemical Characterization of the Resin
- 91-7 Characterization of Acetylene Terminated Sulfone (ATS) Resin Part 2: Thermal Analysis of the Resin
- 91-8 A Comparison of Corrosion Fatigue Properties of 6013 Bare, Alclad 2024 Bare Aluminum Alloy Sheet Materials
- 91-9 Part 1: Effects of Surface Generated Scratches on the Fatigue Life of Al-Li Alloys
- 91-10 Part 2: Stretch Formability of Sheets of Al-Li Alloys
- 91-11 Airline Quality Rating

Box 2

- 91-12 Superplasticity Study of 1420 and 1421 Al-Li Alloys
- 91-13 Annual Report FY91
- 91-14 Resin Transfer Molding (RTM): What It Is and How To Do It
- 91-15 Evaluation of Existing Aircraft Operator Data Bases
- 91-16 Impact Characterization of Graphite Fiber Reinforced Thermoplastic Laminates
- 91-17 International Aircraft Operator Data Base Master Requirements and Implementation Plan
- 91-18 Marketing for Collegiate Aviation Education
- 91-19 Design and Analysis Surface-Climbing Robot
- 91-20 KQIN: Kansas Quality Improvement Network
- 91-21 TGA [*] Experimental Data Analyzed by Transpiration Theory
- 91-22 Women in the Aerospace Engineering Faculty of Higher Education
- 91-23 High Temperature Knudsen Effusion-Mass Spectrometric Studies of the Y-Ba-Cu-O System
- 91-25 A Brief Examination and Comparison Between the Federal Motor Vehicle Safety Standards and the Federal Aviation Regulations
- 91-26 Final Project Wichita State University 1986 Aviation Safety Research Projects
- 91-27 Computation of Three-Dimensional Flows Using Two Stream Functions
- 91-28 Examination of Energy Spectra Moments in a Developing Turbulent Flow

91-28 Techfest XVIII Proceedings
 91-29 Impact Response of Laminated Plates Subjected to Transverse Loading
 91-30 Program Plans Aviation Safety Research
 92-1 Techfest XVIII Proceedings
 92-2 Aviation Safety Research at the National Institute for Aviation Research Wichita State University
 92-3 The Role of University Research in Aviation Safety and Competitiveness
 92-4 Consumer Interest in the Air Safety Data of the Airline Quality Rating
 92-5 Impact Response of Laminated Plates Subjected to Transverse Loading
 92-7 X-Ray Characterization of Au/Ni Multilayer Thin Films
 92-10 Airline Quality Issues 1992
 92-11 The Airline Quality Reports 1992
 92-12 Proceedings of the ML-92 Workshop on Machine Discovery (MD-92)
 92-13 The International Forum on Airline Quality Teaching Guide
 92-14 National Institute for Aviation Research Program Review
 92-15 Annual Report FY92
 92-17 Streamwise Computation of a Circular-To-Rectangular Transition Duct Potential Flow Field
 92-18 Grants for Aviation Research
 92-19 Handbook for Preparing and Printing FAA Formal Technical reports
 92-20 Design of a Non-Sled Setup To Measure Head Injury Criteria
 93-1 AIAA Techfest XIX Proceedings
 93-2 Evaluation of Head Injury Criteria
 93-3 Computer Modeling and Animation of Mechanical Systems

Box 3

93-11 The Airline Quality Report 1993
 93-13 Characterization of Metallic Multilayers Using X-Ray Diffraction Analysis
 93-14 Maximizing Participation of Women in Collegiate Aviation Education
 93-15 The Development of a Horizontal Impact Sled Facility and Subsequent Crashworthiness Experiments
 93-16 Annual Report FY93
 93-18 Supersonic Flow Visualization of a Nacelle in Close Proximity To a Simulated Wing
 94-1 AIAA Techfest XX Proceedings
 94-2 Assessment of Resin Transfer Molding Process for the XM6 Discharger, ERDEC SSP 93-64 Final Report
 94-3 A Multibody/Finite Element Analysis Approach for Modeling of Crash Dynamic Responses
 94-11 The Airline Quality Report 1994
 94-12 Analysis of Warping Effects on the Static and Dynamic Response of a Seat-Type Structure
 94-13 Evaluation of Occupant Dynamic Responses and Development of Injury Criteria for a 3 Year Old Child

- 94-14 Plastic Hinge Modeling of Structures
- 94-16 Design of a Cervical Spine Gross Motion Simulator for Standard Size Human and Anthropomorphic Dummy Adult and Child
- 95-1 User's Guide to DSCPACK
- 95-2 Vaporization Studies of High Temperature Superconductors
- 95-3 Handbook for Preparing, Printing, and Distributing FAA Formal Technical Reports
- 95-5 Modeling the Structural Crash Response of a Vehicle Torque Box and Related Crash Dynamics of the Vehicle Occupant
- 95-6 Analysis, Design, Fabrication, and Testing of a Head Impact Component Test Apparatus
- 95-7 Report on Modeling Efforts at LLNL: Chemical Kinetic Modeling of High Pressure Propane Oxidation and Comparison to Experimental Results
- 95-11 The Airline Quality Report 1995
- 96-1 Characterization of Composition and Strain in Annealed Cu-Ni Multilayers Using X-Ray Diffraction