



Newsletter - April 2004



Dryden Research Library is located in Bldg. 4800 Room 2412. Check out our home page: <http://www.dfrc.nasa.gov/Organizations/TechPubs/Library/index.html>

For any of your library needs please contact via email or call:

Barbara Rogers, the Librarian at ext. 3702, email:
barbara.rogers@dfrc.nasa.gov

Renee Richardson, the Library Technician at ext. 3127, email:
renee.richardson@dfrc.nasa.gov

The Dryden Research Library staff are part of the ITI/SCSC Team and their Technical Monitor is Ron Ray, at ext.3687, email: ron.ray@dfrc.nasa.gov

Daylight savings time starts – Sunday, April 4th: Don't forget to set your clocks forward Saturday evening.

Just a reminder - when visiting the Library please sign in at the library counter. Thank you!

[2003 Tax Forms](#) are available in the Library until MAY 1ST 2004.

*Barbara and Renee would like to thank **Debbie Phillips** for helping us with the PDF version of the library's newsletter.*

In celebration of National Library Week please join us at the



NASA Dryden Research Library Open House

Friday, April 23rd from 1:00 to 2:30 - Bldg. 4800, Room 2412

There will be demonstrations of NASA Galaxie & other online databases,
Drawings for Books
Posters & CD's
Free Bookmarks

Cake and punch will be served.

DRYDEN FLIGHT RESEARCH CENTER

TECHNICAL REPORTS OFFICE

Dryden Authors Published in March, 2004:

🌈 Stachowiak, Susan J. and John T. Bosworth, *Flight Test Results for the F-16XL With a Digital Flight Control System*, NASA/TP-2004-212046, March 2004.

The NASA Dryden Research Library gives Library Tours and Orientation. They will be twice a month on Friday afternoons and take 30 minutes to an hour. This is available for Dryden employees or staff that would like more information on the Research Library services. A tour of the library facilities will be given, with handouts about library services. There will be demonstrations on searching several databases accessible from the Research Library website, including AIAA, Science Direct, ASAP, DTRS, etc. You can bring information on topics you would like to search. Please call Barbara Rogers at ext. 3702 to schedule and appointment.

New Books received in March, 2004 at the Dryden Research Library:

Reference Books-

➤ HF 5065 .C2 R336 2004

Regional Industrial Buying Guide.
Southern California

Circulating Books-

➤ B 637 .N46 O26 1997

The Art of Systems Thinking: Essential Skills for Creativity and Problem Solving
by: Joseph O'Conner & Ian McDermott

➤ BF 198.7 .K47 1992

Introduction to Design & Analysis: A Student's Handbook – 2nd edition

➤ BF 311 .G339 1985

by: Geoffrey Keppel, William H. Saufley, Jr., and Howard Tokunaga
The Mind's New Science: A History of the Cognitive Revolution by: Howard Gardner

➤ CB 53 .W5 1967

Adventures of Ideas

➤ HD 30.3 .B993 1998

by: Alfred North Whitehead

➤ HD 45 .S368 1999 c.2

Zapp! The Lightning of Empowerment: How to Improve Quality, Productivity, and Employee Satisfaction by: William C. Byham, Ph.D

➤ HM 101 .S786 1972

Serious Play: How the World's Best Companies Simulate to Innovate

➤ HM 131 .O82 1996

by: Michael Schrage

➤ NK 1525 .I34 1995

Theory of Culture Change: The Methodology of Multilinear Evolution

➤ PE 1408 .H29 1999

by: Julian H. Steward

➤ QA 7 .W53 1958

Seeing Systems: Unlocking the Mysteries of Organizational Life

➤ QA 29 .V66 P68 1993

by: Barry Oshry

➤ QA 76.754 .S48 1996

The Idea of Design

➤ QA 76.758 .B732 1992

The Scott, Foresman Handbook for Writers – 5th edition by: Maxine Hairston, John Ruszkiewicz, and Christy Friend

An Introduction to Mathematics

by: Alfred North Whitehead

Prisoner's Dilemma

by: William Poundstone

Software Architecture: Perspectives on an Emerging Discipline

by: Mary Shaw and David Garlan

Case*Method: Function and Process

- QA 76.76 .D47.W45 V.1 1992
 Modelling
 by: Richard Barker and Cliff Longman
 Quality Software Management:
 Volume 1 - Systems Thinking
- QA 76.9 .S88 C664 1997
 by: Gerald M. Weinberg
 Conceptual Modelling
 by: Magnus Boman, Janis A. Bubenko,
 Jr., Paul Johannesson, and Benkt
 Wangler
- QC 30 .J85 1999
 Just-In-Time Teaching: Blending Active
 Learning with Web Technology
 By: Gregor M. Novak, Evelyn T.
 Patterson, Andrew D. Gavrin, and
 Wolfgang Christian
- TA 168 .B83 2000
 The Engineering Design of Systems:
 Models and Methods
 by: Dennis M. Buede

Tact Reports –

(Were in the reports section of the library and is now cataloged in NASA Galaxie and will be kept in the circulation area.)

- TL 567 .W5 T228 1972 V.595-003-II Volume II - Wind Tunnel Data Report.
 1/15-Scale F-111/TACT Model in the
 Ames Research Center 11 x 11-foot and
 9x7-foot Tunnels – Tests 11-558-2 and
 11-558-4 (Transonic Balance Data)
- TL 567 .W5 T228 1972 V.595-008 Wind Tunnel Data Report. 1/15-Scale
 F-111/TACT Model in the Ames
 Research Center 11 x 11-foot and
 9 x 7-foot Tunnels Test 11-558-2,
 11-558-4, and 97-558-4
- TL 567 .W5 T228 1972 V.595-010 Wind Tunnel Data Report. 1/15-Scale
 F-111/TACT Model in the Ames
 Research Center 11 x 11-foot and
 9 x 7-foot Tunnels, Test 11-558-1
 (Pressure Data – Transonic)
- TL 567 .W5 T228 1972 V.595-012 Wind Tunnel Data Report. 1/12-Scale
 F-111/TACT High Lift Force Model
 NASA-Ames Research Center 12-foot
 Tunnel Test Number ARC-12-632 (U)
- TL 567 .W5 T228 1972 V.595-015 Wind Tunnel Data Report. 1/15-Scale
 TACT Model in the Ames Research
 Center 11-foot Transonic Wind Tunnel
 ARC Test 11-621-1
- TL 574 .F6 T228 1971 V.1 F-111 TACT Flutter Analysis. Volume I

- TL 574 .F6 T228 1971 V.2
- TL 574 .F6 T228 1971 V.3
- TL 574 .F6 T228 1971 V.4
- TL 574 .P7 T228 1971 V.ARC975583
- TL 574 .P7 T228 1971 V.R42
- TL 574 .P7 T228 1971 V.R47
- TL 574 .P7 T228 1971 V.R48
- TL 574 .P7 T228 1971 V.R50
- TL 574 .P7 T228 1971 V.R51
- TL 574 .P7 T228 1971 V.R53
- TL 574 .P7 T228 1971 V.R54

Preliminary Structural Idealization and Computation of Natural Modes
 F-111 TACT Flutter Analysis. Volume II Preliminary Flutter Characteristics of the TACT Cantilevered Wing and Complete Airplane at Subsonic Speeds

F-111 TACT Flutter Analysis. Volume III Structural Idealization and Computation of Natural Modes for the Wing Revised Trailing Edge Flap Structure

F-111 TACT Flutter Analysis. Volume IV Flutter Characteristics of the TACT Cantilevered Wing at Subsonic Speeds, the Complete Airplane at Supersonic Speeds, and the 1/8 Scale Flutter Model at Subsonic Speeds, and Panel Flutter

F-111 TACT Program. Aerodynamic Loads. Analysis of Wing Pressure Data High-Speed Test ARC-97-558-3

F-111 TACT Program. Aerodynamic Loads Analysis of Wing Pressure Data Test: ARC-11-558-1 Run 42
 Mach 1.1 26-Degrees Sweep

F-111 TACT Program. Aerodynamic Loads Analysis of Wing Pressure Data Test: ARC-11-558-1 Run 47
 Mach 0.9 26 Degrees Sweep

F-111 TACT Program. Aerodynamic Loads Analysis of Wing Pressure Data Test: ARC-11-558-1 Run 48
 Mach 0.85 26 Degrees Sweep

F-111 TACT Program. Aerodynamic Loads Analysis of Wing Pressure Data Test: ARC-11-558-1 Run 50
 Mach 0.6 26 Degrees Sweep

F-111 TACT Program. Aerodynamic Loads Analysis of Wing Pressure Data Test: ARC-11-558-1 Run 51
 Mach 0.9 26 Degrees Sweep
 H=-10°

F-111 TACT Program. Aerodynamic Loads Analysis of Wing Pressure Data Test: ARC-11-558-1 Run 53
 Mach 0.9 26 Degrees Sweep
 SP = 15°

F-111 TACT Program. Aerodynamic

- TL 574 .P7 T228 1971 V.R61

Loads Analysis of Wing Pressure Data
 Test: ARC-11-558-1 Run 54
 Mach 0.8 26 Degrees Sweep
 SP = 15°
- TL 574 .P7 T228 1971 V.R62

F-111 TACT Program. Aerodynamic
 Loads Analysis of Wing Pressure Data
 Test: ARC-11-558-1 Run 61
 Mach 0.9 58 Degrees Sweep
 H = -25°
- TL 574 .P7 T228 1971 V.R67

F-111 TACT Program. Aerodynamic
 Loads Analysis of Wing Pressure Data
 Test: ARC-11-558-1 Run 62
 Mach 0.9 58 Degrees Sweep
- TL 574 .P7 T228 1971 V.R68

F-111 TACT Program. Aerodynamic
 Loads Analysis of Wing Pressure Data
 Test: ARC-11-558-1 Run 67
 Mach 0.8 58 Degrees Sweep
- TL 574 .P7 T228 1971 V.R69

F-111 TACT Program. Aerodynamic
 Loads Analysis of Wing Pressure Data
 Test: ARC-11-558-1 Run 68
 Mach 1.4 50 Degrees Sweep
- TL 574 .P7 T228 1971 V.R70

F-111 TACT Program. Aerodynamic
 Loads Analysis of Wing Pressure Data
 Test: ARC-11-558-1 Run 69
 Mach 0.9 50 Degree Sweep
- TL 574 .P7 T228 1971 V.R71

F-111 TACT Program. Aerodynamic
 Loads Analysis of Wing Pressure Data
 Test: ARC-11-558-1 Run 70
 Mach 1.4 50 Degree Sweep
- TL 574 .P7 T228 1971 V.R72

F-111 TACT Program. Aerodynamic
 Loads Analysis of Wing Pressure Data
 Test: ARC-11-558-1 Run 71
 Mach 1.2 50 Degrees Sweep
- TL 574 .P7 T2281 1971

F-111 TACT Program. Aerodynamic
 Loads Analysis of Wing Pressure Data
 Test: ARC-11-558-1 Run 72
 Mach 0.9 50 Degrees Sweep
- TL 574 .R47 T228 V.595-009

TACT Rigid (W52) and Flexible (W53)
 Wings Chordwise Pressure Data
 Comparison
- TL 574 .R47 T228 V.595-015-1

TACT Fatigue Loads. Contract No.:
 F336615-71-C-1912
- TL 574 .R47 T228 V.595-028-2

TACT Final Design Review.
 Presentation to Air Force/NASA Review
 Team 6 and 7 April 1972
 Transonic Aircraft Technology. TACT

- TL 574 .R47 T228 V.595-09
- TL 574 .R47 T228 V.595-11
- TL 574 .R47 T228 V.595-4

Program. Volume 2 Aerodynamic Design and Analysis
 Increments from the TACT CVAL-599 and ARC 12-565 Low-Speed Tests
 Lift, Drag and Moment Increments from the TACT Low-Speed Test ARC-12-632
 Estimated Full-Scale Transonic and Supersonic Aerodynamic Data
 Presented for the Preliminary Design Review of the F-111/TACT Airplane

NACA/NASA CD ROM's-

(Are located by the online card catalog in a drawer labeled "NASA CD-ROMS")

<u>Title of CD ROM's</u>	<u>Date</u>
1. Legacy: General Aviation Highlights from 8 Decades of NACA/NASA Research – NASA Langley Research Center Hampton, Virginia 23681	1995
2. An Interactive Guide to the X-34 Program's History, Technology & Achievements	1998
3. NASA Marshall Space Flight Center presents: Space Transportation: Past, Present, & Future	1998
4. NASA/CP-1999-209236 Proceedings of the Twenty-Third Annual Software Engineering Workshop – Proceedings of a workshop held at the Goddard Space Flight Center Greenbelt, Maryland	Dec. 2-3, 1998
5. NASA/CP-2001-211141 The Tenth Thermal and Fluids Analysis Workshop – Proceeding of a workshop sponsored by the NASA Marshall Space Flight Center and held at the Bevill Center, Huntsville, Alabama	Sept. 13-17, 1999
6. 50 Years of Flight Research: An Annotated Bibliography of Technical Publications of NASA Dryden Flight Research Center, 1946 – 1996	October 1999

7. NASA CP-2000-209890
 Proceedings of the Twenty-Fourth Annual
 Software Engineering Workshop –
 Proceedings of a workshop held at the
 Goddard Space Flight Center
 Greenbelt, Maryland
 Dec. 1-2, 1999

8. NASA/CP – 2000-209899
 Sixth International Conference on Squeezed
 States and Uncertainty Relations –
 Proceedings of a conference held at
 Naples, Italy
 May 24-29, 1999
 July 2000

9. NASA/CP-2001-210427
 Proceedings of the 4th Conference on
 Aerospace Materials, Processes, and
 Environmental Technology
 Huntsville, Alabama
 Sept. 18-20, 2000

10. NASA/CP-2001-210883
 The 2000 NASA Aerospace Battery
 Workshop - Proceeding of a workshop
 sponsored by the NASA Aerospace Flight
 Battery Systems Program and held in
 Huntsville, Alabama
 Nov. 14-16, 2000

11. NASA CP-2001-209986
 2001 Flight Mechanics Symposium
 Goddard Space Flight Center
 June 19-21, 2001

12. NASA SP-2001-4603
 Shuttle-MIR – M_{III}ATTJI
 The United States and Russia Share
 History's Highest Stage
 By Clay Morgan
 December 2001

13. (Duplicate – See Number 12)

14. NASA/CP-2002-211466
 The 2001 NASA Aerospace Battery Workshop
 Proceedings of a workshop sponsored by the
 NASA Aerospace Flight Battery Systems
 Program and held in Huntsville, Alabama
 Nov. 27-29, 2001

15. NASA/CP-2003-212339
 June 25-26, 2002

2002 Materials Science Conference
Huntsville, Alabama
Hosted by Marshall Space Flight Center
Sponsored by The Physical Sciences Division,
NASA Headquarters, Washington, DC
Organized By The Materials Science Discipline
Working Group

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| 16. NASA/CP-2002-211783
The Twelfth Thermal and Fluids Analysis
Workshop – Proceedings of a workshop
hosted and organized by the NASA Marshall
Space Flight Center and held at the Bevell
Center, The University of Alabama in
Huntsville, Huntsville, Alabama | Sept. 10-14, 2001 |
| 17. NASA/CR-2002-212050
Integrated In-Space Transportation Plan –
Prepared for Marshall Space Flight Center
under Contract H-32738D | October 2002 |
| 18. NASA/CP-2003-212344
The 2002 NASA Aerospace Battery
Workshop - Proceedings of a workshop
sponsored by the NASA Aerospace Flight
Battery Systems Program and held in
Huntsville, Alabama | Nov. 19-21, 2002 |
| 19. NASA/CR-2003-212397
The 2002 NASA Faculty Fellowship
Program Research Reports
Prepared for Marshall Space Flight
Center under Contract NAG8-1859 | May 28, 2002
thru
Aug. 2, 2002 |
| 20. Columbia: Accident Investigation Board -
Report Volume 1 | August 2003 |