

## Contrails

The Evolution of an Air Force  
Technical Reports Digitization  
Project

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## Contrail

- Main Entry: **con·trail**  
Pronunciation: 'kän-"trAl  
Function: *noun*  
Etymology: *condensation trail*  
: streaks of condensed water vapor  
created in the air by an airplane or  
rocket at high altitudes

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## IIT Library History

- John Crerar Library
  - IIT's Science and Engineering Library from 1890 through 1985
  - Own Board of Trustees
  - Severed relationship with IIT in 1985
  - Moved to University of Chicago
  - At U of C 1985-current

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## FDLP Depository #0146-A

- IIT's Depository, designated in 1982
  - Kemper Library, Business Collection
  - Existence overlapped Crerar's stay at IIT by 3 years
  - Began with 22% selection rate
  - Technical monographs from EPA, NASA

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## Paul V. Galvin Library

- Dedicated in 1985 to replace Crerar
  - Same building as Crerar
  - Kemper, Stuart libraries disbanded, collections incorporated
  - Very depleted collection
  - Some of Crerar materials left behind
  - Government Documents

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## Basement Discovery



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## Wright Air Development Center Technical Reports



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## Patron Requests

- Citations & References to WADC/WADD reports
  - Brought by patrons to Reference Desk
- Examined series more closely
  - Found SuDocs Call Numbers in Andriot
  - Materials processed with call numbers and date stamps in February 1996

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## Basic Database

- Internet circa 1996
  - Stand-alone file intended for Documents Staff use
  - Basic Bibliographic Information
    - Title
    - Author
    - Corporate Author
    - Publication Date

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## Why no Digitization Effort?

- Usefulness limited in 1996
- Cost for hardware prohibitive

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## Gov Docs Librarian Vacancy

- Previous Librarian left for position in Milwaukee, Wisconsin
- WADC/WADD report collection was emphasized as a possible project with candidates
- Especially attractive to a particular candidate

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## Luke Griffin

- Very aggressive with respect to career
- Found position appealing in large part due to opportunities presented by WADC/WADD reports
- Good impression with respect to our ability to work well together

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## History of WADC

- Researched the Agency
  - Roswell Incident
  - Internal Space Race
  - Aircraft Development
  - Armour/IITRI Connection
- Digitization
  - Reports
  - Historical Resources

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## Wright Air Development Center Digital Collection Website

- Original Web Presence
  - Index (html) and Full Image (pdf) of WADC & WADD reports
  - Reference Shelf of Historical Resources
    - NASA and Air Force Monographs
  - Image Gallery
  - History
    - Roswell, etc.

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## Administration Support

- Envisioned as a pilot project
  - Grant Funding
  - Bigger Project (NACA, NASA docs)
- Project Funding
  - Hardware
    - High Speed Scanner
    - Dedicated Workstation
  - Staffing
    - Gov Docs Librarian and LTA
    - College Work Study students

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## Off and Running

- LTA and students developed report indexing and history portions of the site
- Librarian developed Image Gallery portion of the site and oversaw most of the scanning
  - Hundreds of the 1,600 reports posted
  - Website coalesced quickly

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## Early Scanning Issues

- High priority on number of reports posted
  - Scanning done very quickly
    - Quality control suffered
      - Pages Out of Order/Missing
    - Trouble with jams and Scanner Settings
  - Photos scanned in B/W, photo copy quality
- Image Gallery
  - More successful

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## WPAFB Library

- Liked our site and wanted to link to it
  - Could we confirm that all of our reports were classed "U2" and are publicly available
- Huh?!
  - Government Documents
    - SuDocs call numbers
      - All publicly available - Right?!

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## Guide to U.S. Government Publications (Andriot)

### Guide to U.S. GOVERNMENT PUBLICATIONS

1989 Edition  
Volume 1

Edited by John L. Andriot

McLean, Virginia

Documents Index McLean, Virginia

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## Guide to U.S. Government Publications (Andriot)

SECTION	NUMBER OF PAGES
Introduction	1-10
1. General Information	11-100
2. How to Find Government Publications	101-200
3. How to Use Government Publications	201-300
4. How to Order Government Publications	301-400
5. How to Identify Government Publications	401-500
6. How to Access Government Publications	501-600
7. How to Evaluate Government Publications	601-700
8. How to Use Government Publications in Research	701-800
9. How to Use Government Publications in Teaching	801-900
10. How to Use Government Publications in the Workplace	901-1000

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AF TECHNICAL REPORTS, WRIGHT AIR  
DEVELOPMENT CENTER.

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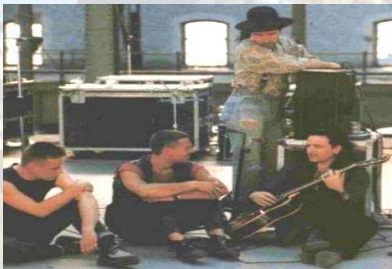
## U2



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## U2



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## U2

- DoD shorthand for  
Unclassified/Unlimited
  - All of our reports unclassified
  - Some may have distribution limitations
    - Those that do aren't U2
    - Only U2 docs could be posted publicly
  - Unclassified/Limited
    - Gov't Agencies and Contractors only

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This report has been released to the Office of Technical Services, U. S. Department of Commerce, Washington 25, D. C., for sale to the general public.

Copies of WADC Technical Reports and Technical Notes should not be ordered by the Wright Air Development Center unless orders are placed by security considerations, established criteria, or under a specific agreement.

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Copies of NADSI Technical Reports and Technical Notes should not be returned to the National Aeronautics and Space Administration unless return is required by security considerations, contractual obligations, or stated in a specific document.

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# Implicit Limitation

Qualified requesters may obtain copies of this report from the ASTIA Document Service Center, Knott Building, Dayton 2, Ohio.

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NOTICE

When Government drawings, specifications, or other data are used for any purpose other than in connection with a distinctly related Government procurement process, the United States Government thereby incurs no responsibility or any obligation whatever, and the fact that the Government is in some way connected with such drawings, specifications, or other data, in any way, shall not be construed by any person as implying or suggesting any rights or privileges by manufacture, use, or sale and patented processes, or in any way related thereto, that may be or may be claimed thereon.

ASTIA release is DTIC not authorized.

Qualified requesters may obtain copies of this report from the Aeronautics and Space Administration, Technical Information Agency (ASTIA), Arlington Hall Station, Arlington 12, Virginia.

Copies of this report should not be returned to the Aeronautics and Space Administration unless return is required by security considerations, contractual obligations, or stated in a specific document.

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## More Explicit Limitation

ASTIA release to OTS not authorized.

Qualified requesters may obtain copies of this report from the Armed Services Technical Information Agency, (ASTIA), Arlington Hall Station, Arlington 12, Virginia.

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## Mad scramble

- Report covers
  - All reports published after 1955 say:
    - Qualified requesters may obtain copies of this report from the ASTIA Document Service Center, Knott Building, Dayton 2, Ohio.
  - Some, but not all say:
    - This report has been released to the Office of Technical Services, U. S. Department of Commerce, Washington 25, D. C., for sale to the general public.

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## Good News

- Many of the reports we possessed had cover statements indicating that they were available to the public
- May have to remove some reports, but we'd still have a lot that we could put up.

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## Involved Agencies

- ASTIA – Armed Services Technical Information Agency
- Office of Technical Services

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## Involved Agencies

- ASTIA – Armed Services Technical Information Agency
  - Became the Defense Technical Information Center (DTIC)
- Office of Technical Services
  - Became the National Technical Information Service (NTIS)

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## DTIC gets involved

- Communication between WPAFB and DTIC personnel
  - Help us determine whether we were doing anything wrong by posting reports
  - Identify reports that should come down
  - We held our breath for the results

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## The STINETs

- Public STINET
  - Records and some full-text of publicly available, "U2" reports.
- Private STINET
  - Records and some full-text of Unclassified reports (whether or not there are distribution limitations)
- Classified STINET

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## Private STINET

- STINET stands for Scientific & Technical Information Network
- Private STINET only available to:
  - Government Agencies
  - Contractors of Government Agencies

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## Private STINET Search

- DTIC personnel performed a search:
  - “WADC” in the report number field AND
  - “Approved for public release” in the Distribution Limitation field
- DTIC personnel performed a search
  - “WADD” in the report number field AND
  - “Approved for public release” in the Distribution Limitation field

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## Private STINET Results

- Number of publicly available WADC reports = 759
- Number of publicly available WADD reports = 184
- Estimated total number of reports in the WADC and WADD series: 10,000
- Less than 1 in 10 publicly available

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## Cross check with collection

- 1,669 reports in our possession
  - Estimate that only 160 would be publicly available
  - Already posted 600 reports
  - Only 943 reports in all of Private STINET publicly available

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## Cross check with our collection

- Less than 100 of the reports already posted were publicly available – over 500 had to come down
- Of remaining 1,000 reports that hadn't yet been scanned and posted, barely 100 were publicly available
- Only 187 reports in total could be posted, out of 1,669 = 11.2%

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## Houston, we have a problem

- DTIC request we remove the reports that are not publicly available
  - Reduce our current online digital collection by almost 90%
  - Reduce our possible online digital collection by a similar amount
  - Threatened hundreds of hours of work and the justification

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## DTIC's List

- Assumption: Any reports not hit by query weren't hit because the distribution limitation was "Limited"
- Not on the list = Not Publicly Available
- No access to database from which List was created
- Could not duplicate or challenge results

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## On the Defensive

- Cover Statements
  - Indicated some limited reports for sale
    - 1955 reports and later
- USGRR Indices
  - Indicated some limited reports for sale soon after publication
- DTIC List culled from Private STINET
  - Indicated some formerly limited reports reclassified as publicly available

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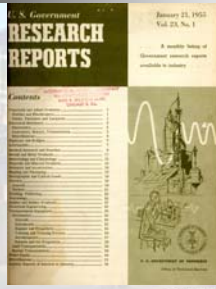
## Cover Statements

- Checked the inside cover of every report
  - Reports printed prior to 1955 had no indication of public availability either way
  - 731 reports we possessed indicated that they should be publicly available
  - DTIC – 187, Cover Statements 731

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# U.S. Government Research Reports



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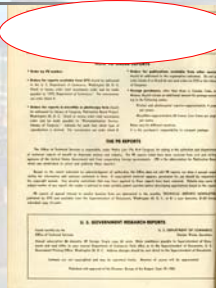
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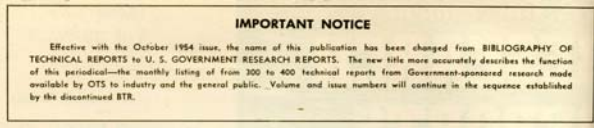
# U.S. Government Research Reports



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## U.S. Government Research Reports

**IMPORTANT NOTICE**

Effective with the October 1954 issue, the name of this publication has been changed from BIBLIOGRAPHY OF TECHNICAL REPORTS to U. S. GOVERNMENT RESEARCH REPORTS. The new title more accurately describes the function of the journal which is to list approximately 300 to 400 technical reports from Government-sponsored research made available by the Office of Technical Services. Volume and issue numbers will continue in the sequence established in the October 1954 issue.

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## U.S. Government Research Reports

available by OTS to industry and the general public. \V

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**HOW TO ORDER REPORTS**

From the Office of Technical Services, 1400 South Dearborn Street, Chicago, Illinois 60605. Telephone: (312) 541-2000. Write for information on ordering reports, including prices, conditions of sale, and methods of payment. A charge card is available for use with major credit cards.

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Volume 1, Number 1, October 1954. Price \$1.00. Single copies of individual reports are available for purchase at a special rate. Write for information on ordering reports, including prices, conditions of sale, and methods of payment.

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## U.S. Government Research Reports



### THE PB REPORTS

The Office of Technical Services is responsible, under Public Law 776, 81st Congress, for aiding in the collection and dissemination of technical reports of benefit to American science and industry. The PB reports listed have been received from civil and military agencies of the United States Government and from cooperating foreign governments. (PB is the abbreviation for Publication Board which was established to select and publicize these reports.)

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## U.S. Government Research Reports



Any security restrictions that may have applied to these reports have been removed.

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## U.S. Government Research Reports



- Index and Ordering Catalog for Technical Reports
- May be purchased by industry and the general public
- All prior security restrictions have been removed
- PB Numbers – Publication Board

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## U.S. Government Research Reports

Development of a heat-resistant foamed-in-place low-density silicone resin core material, by Donald E. Weyer, James R. Kurnell, and Kenneth R. Hoffmann. Dow Corning Corp. Midland, Mich. Supplement. Jan 1955. 115p photos, graphs, tables. Order from OTR, \$3.00. PB 111555e

The most promising method of producing foamed-in-place sandwich structures from silicone resins consists of expanding a dry powdered resin containing blowing agent, catalyst and inert filler. Core density can be conveniently controlled by adjustments in the expansion temperature, and by small modifications in formulating the powder. The expandable powder produces a stable, uniform multipore foam with a pore structure predominately spherical and unicellular. None of the materials or by-products are toxic. The foams have low moisture absorption along with excellent electrical properties. They are nonflammable and very resistant to an open flame. Thermal life of the core was over 1000 hours at 600°F with no appreciable weight loss or dimensional change. Weight loss of the core after 72 hours at 700°F was less than 6 percent. Contract no. AF 33(600)-6320. Supplement to PB 111555, AAF WADC TR 53-146 Suppl. 1.

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## U.S. Government Research Reports

Development of a heat-resistant foamed-in-place low-density silicone resin core material, by Donald E. Tveit, James H. Kurnick, and Kenneth R. Hoffman. Dow Corning Corp. Midland, Mich. Supplement. Includes photos, graphs, tables.

The most promising method of producing foamed-in-place sandwich structures from silicone resins consists of expanding a dry powdered resin containing blowing agent, catalyst and inert filler. Core density can be conveniently controlled by adjustments in the expansion temperature, and by small modifications in formulating the powder. The expandable powder produces a stable, uniform multipore foam with a pore structure predominately spherical and unicellular. Some of the materials or by-products are toxic. The foams have low moisture absorption along with excellent electrical properties. They are nonflammable and very resistant to an open flame. Thermal life of the core was over 1000 hours at 400°F with no appreciable weight loss or dimensional change. Weight loss of the core after 72 hours at 700°F was less than 1 percent. Contact with water causes swelling. Supplement to PB 111566. AAF WADC TR 53-146 Suppl. 1.

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## PB Numbers

- Pored over years worth of U.S. Government Research Reports indexes
  - PB numbers found for 735 reports that we possessed
  - PB numbers found for 1,704 reports that we didn't possess
  - Started a bibliography of all WADC/WADD reports, using U.S. GRR

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## Cover Statements and PB Numbers

- 731 held reports indicated they were publicly available on their inside cover
- 735 held reports had PB numbers
- 453 held reports had both a cover statement and a PB number
- 1,013 total held reports had at least one criteria

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## For Sale to the Public

- Cover statements
  - Indicated some "Limited" reports had originally been released to OTS (NTIS) for sale to the public
- USGRR Indices
  - Indicated some "Limited" reports had originally been released to OTS (NTIS) for sale to the public

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## Publicly Available now?

- Check with NTIS
  - Website only goes back to 1990
  - Reports dated 1950's and 1960's
  - Needed to call 1-800 order desk number
- YES!
  - About half of the "limited" reports were for sale
  - Operator: Some older reports could be unavailable due to their age and low demand through NTIS

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## DTIC/NTIS Conundrum

- DTIC's records indicate many reports we have posted are actually "Limited"
- Indexes and/or cover statements indicate otherwise
- NTIS Order Desk willing to sell many of the reports to anyone with a credit card
- Dual Reality

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## DTIC/NTIS Conundrum

- |                                    |                            |
|------------------------------------|----------------------------|
| ■ DTIC's records are wrong         | ■ NTIS's records are wrong |
| ■ DTIC's records were changed, BUT | ■ NTIS's records were not  |

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## DTIC/NTIS Conundrum

- Either one of the two databases has significant errors or
- Lack of communication between DTIC and NTIS
- Either way, reports that DTIC says should not be sold to the public are available for purchase through NTIS

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## Our point of view

- Want to keep as many reports posted as possible
- Can always point to the fact that they are for sale through NTIS to defend our actions
- Also have Index records and cover statements as evidence

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## Game of Chicken

- Removed reports which had no indication that they were publicly available
  - Not on DTIC's List
  - Not in USGRR Index
  - No Cover Statement
- Refused to remove the rest

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## Game of Chicken

- Explained situation to DTIC staff
  - Strong evidence that reports were publicly available
  - Checked and discovered through NTIS that some were for sale
- Only remove ones for which we had no evidence of public availability

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## Opponents

- Depository Staff
  - A lot at stake
    - Personally
    - Professionally
  - Conflicts
    - Some justification
- DTIC
  - Less at stake
    - Professionally
  - Conflicts
    - Confusion
    - Doubt
  - Possibility that there could be problems on DTIC's end

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## Result

- We waited

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## Result

- We waited...
- And waited

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## Result

- We waited...
- And waited...
- And waited.

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## No response

- DTIC never replied
  - We gave them a big enough headache
  - They forgot about us
  - There was enough doubt about the reports that they'd rather not open up a can of worms

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## While we waited

- We worried
  - Possible conflict with DTIC
  - Zap the website from D.C.?
  - Send in the FBI?
- Realized
  - Nothing was going to happen
  - We were in the clear

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## And then...

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## And then...

- September 11, 2001
  - Rumors that "everything with the words "biological", "chemical" or "nuclear" would be removed from the Internet
  - Possible our website and the reports would garner further attention
  - Renewed our worries

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## Post 9/11

- Stopped actively posting technical reports
  - Filled email requests when they were submitted
- Dormancy
  - Worried about post 9/11 environment
  - Did want to invest time and effort, to have work removed

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## 2002 - Website redesign

- Bring site into line with overall library aesthetic
- Add functionalities designed to make site more usable and efficient
- Interviewed 12 college work study students
- Found one who we felt could handle the task

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## Emergence

- Early 2004
  - Began actively scanning reports
    - Purchased new high-speed scanner
    - Began by rescanning problem reports
  - Website redesign
    - Allow abstracts
    - Display more bib info

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## Private STINET

- Used Public STINET
  - Link explaining how to get a Private STINET account
    - Had to be employee of a government agency or a government contractor
    - Certainly, our institution was a government contractor
    - Maybe someone on campus had a Private STINET account and could help us

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## Private STINET

- Email and Phone Contacts
  - Very helpful DTIC personnel
    - 3 days of phone and email tag
      - Myself
      - Assistant Dean for Research
      - DTIC personnel
  - My own Private STINET account!!!!

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## Private STINET

- Duplicate DTIC's search
  - No need to bother them to re-run search
- Check titles individually
- Check titles over time
- Try to discover why so few reports seemed to be publicly available compared to our own evidence

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## Aeronautical Systems Division

- Wright Air Development Center
  - 1952 through 1960
- Wright Air Development Division
  - 1960 and part of 1961
- Aeronautical Systems Division
  - 1961-1995
- Aeronautical Systems Center
  - 1995-

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## Aeronautical Systems Division

- Reclassed the WADC and WADD report numbers
  - Printed on the report
    - WADC TR 52-123
    - WADD TR 60-123
  - Private STINET record
    - ASD TR 52-123
    - ASD TR 60-123

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## Aeronautical Systems Division

- Did not exist prior to April 1961
- A query of Private STINET using the "ASD" report number designation, with a publication date of prior to April 1961, and limited to publicly available reports yields 844 hits.
- All WADC and WADD reports missed in DTIC's List

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## Private STINET

- 2,000,000 Records
- Back to 1907
- 3 Branches of the service
- Many records predate computers
- Cataloging inconsistencies
- Missing information
- Dirty records

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## Cataloging Inconsistencies

- Report Number Field
  - WADC TR\_52 yields 253 hits
  - WADC TR52 yields 96 hits
  - WADC TR\_59 yields 340 hits
  - WADC TR59 yields 64 hits
- Many records had nothing in the report number field

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## Publicly available reports missed by DTIC's search

- 187 reports, with either WADC or WADD report number designations, found by DTIC
- 299 reports, with ASD report number designations
- 47 reports, with no report number designation
- 57 reports, whose limitation was changed since reports generated

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## New Possibilities Open Up

- New DTIC math adds up to 590 out of 1,669 reports that may be posted
- Our math still has many more, up to 1,013.
- However, 590 is much better than 187, in fact 3.16 times better!

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## What happened?

- Either early miscommunication between ASTIA and OTS (DTIC and NTIS), or data loss at DTIC
- In the case of data loss, DTIC probably erred on the side of caution

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## The "Letters"

- Requests by agencies to change distribution limitations to "U2"
  - Air Force Avionics Laboratory, 8/17/1979
  - Air Force Avionics Laboratory, 12/27/1979
  - Air Force Wright Aeronautical Laboratories, 4/17/1980

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## The "Letters"

- 8/17/1979
  - 62 Reports Changed to Public
    - None with Cover Statements, 29 with PB numbers
- 12/27/1979
  - 95 Reports Changed to Public
    - None with Cover Statements, 45 with PB numbers
- 4/17/1980
  - 131 Reports Change to Public
    - 41 with Cover Statements, 60 with PB numbers

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## The "Letters"

- 8/17/1979
  - All 62 reports were from the "54" reports number series
  - WADC TR 54-62 to WADC TR 54-474 Part 2
- 12/27/1979
  - 28 were from the "52" report number series
  - 15 were from the "53" report number series
  - 19 were from the "54" report number series
- 4/17/1980
  - 38 were from the "54" report number series
  - 93 were from the "55" report number series

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## Public Availability

- WADC TR 52 – 57%
- WADC TR 53 – 17%
- WADC TR 54 – 76%
- WADC TR 55 – 52%
- WADC TR 56 – 8%
- WADC TR 57 – 14%
- WADC TR 58 – 16%
- WADC TR 59 – 17%
- WADD TR 60 – 49%
- WADD TR 61 – 78%

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## Public Availability

- WADC TR 52 through WADC TR 55 range
  - 89% were made publicly available through a change at a later date
- WADD TR 60 through WADD TR 61
  - 89% were publicly available from publication

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## Public Cover Statements

- WADD TR 60
  - 47% of reports still listed as being Limited
  - 5% of reports had their limitations changed to public sometime after publication
  - 48% of reports listed as being Publicly Available from the date of publication
- WADD TR 61
  - 100% of reports with Cover Statements appear to have been indicated as being publicly available since their publication

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## So what happened?

- Either miscommunication between ASTIA and OTS between about 1952 and 1961 or
- Data loss at ASTIA/DTIC from reports produced during that period
- An effort made in 1979-1980 to change distribution limitations
- Not limited to reports with cover statements indicating public availability

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## So what happened?

- Reports in the range of WADC TR 56 through WADC TR 59 are an area that badly needs to be addressed
- As many as 423 reports should be available to the public
- That's just the reports that we possess and desire to digitize

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## More Good News!

- Lockheed Martin Missiles & Fire Control
  - Had used the WADC Digital Collection site
  - Had sent us a few reports to digitize
  - Asked whether we'd be interested in digitizing all of their publicly available reports
  - They'd pay the postage to send them to us!

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## Cornucopia

- Began 2004 with 610 technical reports online
- By mid-year, there were 833 reports posted, and very few left to post
- However, many of these reports were those that DTIC contended should not be posted

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## Cornucopia

- By early 2005, we had the potential to double the number of posted reports
  - Identifying publicly available reports with the use of the Private STINET account
  - Scanning and posting the generous donation from Lockheed Martin Missiles and Fire Control
  - 1,664 reports

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## Cornucopia

- Only 209 reports sent from Lockheed were WADC or WADD reports
- Brought total of “postable” WADC and WADD Reports to 799
- Other 865 reports were from other agencies, but the vast majority were related to Wright-Patterson AFB

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## Cornucopia

- Similar research, but different bureaucracy, and later time period
  - Aeronautical Systems Division (ASD)
  - Air Force Flight Dynamics Laboratory (former WADC/WADD lab)
  - Air Force Materials Laboratory (former WADC/WADD lab)
  - Many others

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## Cornucopia

- All 1,664 potential reports, some of them already posted, were considered publicly available
- Possibility of doubling our online collection while simultaneously coming into line with DTIC's wishes
- Decided to work within the “System”

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## Where are we going from here?

- Recently re-branded the website
  - New name - Contrails
  - Confusion that *\_we\_* were the Wright Air Development Center
  - Additional reports from Lockheed-Martin increased scope
  - Unique and clear identity

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## Priorities

- Scan and post all publicly available technical reports
- Create a list of those reports that we feel should be publicly available
- Figure out a way to get distribution limitations changed
- Scan those reports
- Look for further donations

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## More things to do

- Fill in the “blanks” in our database
- Try to address meeting metadata standards

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## Original Website



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## Original Website

- Everything in “hard” HTML
- Reports broken down by Author, Corporate Author, Publication Date, and Report Number
- Index page for each search method, and additional pages for results
- Add reports by inserting rows in tables in at least 4 different pages

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## Current Website



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## Current Website

- Links query MS Access table via active server page (.asp)
- Update changes to reports and add reports only once in original table
- Master database located on internal network drive. Two clones located in different directories on the website.

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## Current Website

- Startup macros within clone databases automatically import table from the Master database
  - Allows website to function while editing table in Master database
  - Otherwise, database errors will occur on website while Master database table is open in editing mode

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## Current Website

- Two clone databases on website
  - One for the browse function
  - One for the search function
- Browse Function
  - Brings up ranges of technical reports by report number
- Search Function
  - Searches all appropriate fields via Google style search box
  - Boolean ANDs assumed between search terms – NOT and OR are not supported

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## Current Website

- Currently 5,499 records in database
  - 2,743 for reports in our possession
  - The remainder are for reports not in our possession, but added during our bibliography project

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## Original Scanning Workstation

- Long ago forgotten but assuredly underpowered PC, possibly a Compaq
- Large flatbed Epson scanner, with large belt-feed double-sided Auto Document Feeder
- ADF replaced at Epson's cost, second one had issues as well, eventually the scanner wouldn't work even without using the ADF

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## Current Scanning Workstation



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## Current Scanning Workstation

- Dell Dimension 4100
- Pentium III Processor
- Fujitsu fi-4120C Color sheet feed scanner (~\$900 c. 2003)

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## Current Scanner



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## Current Scanner

- Very happy with performance
- A B/W option would have been preferable – only Color offered
- Would have preferred 2 B/W scanners over one Color, had it been financially feasible

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## Report Characteristics

- Printed from typewritten originals, with all associated issues
  - Dropped letters
  - Inconsistent spacing
  - Inconsistent striking
- Handwritten portions
  - Scientific characters (ie Greek Letters)
  - Graphs and Figures
- B/W Photographs

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## Scanning Settings

- Adobe pdfs
- No Optical Character Recognition (OCR)
- Initially, all pages scanned in B/W, 200 dpi
- Later on, pages with photos scanned in Greyscale, 300 dpi

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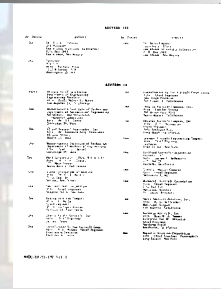
## Report Treatment

- Staples removed and/or soft binding removed.
- Edges trimmed with large paper cutter so that pages are 8" wide
- Covers not scanned – too thick for adf and property stamps of former owners of reports sometimes present

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## WADC Mailing List



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## WADC Mailing List

Two

J-1 Division  
Los Alamos Scientific Laboratory  
P.O. Box 1663  
Los Alamos, New Mexico

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## WADC Mailing List

Forty

University of California  
Department of Engineering  
Engineering Research  
Los Angeles 24, California

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## WADC Mailing List

One Chance Vought Aircraft, Inc.  
Attn: Chief Engineer  
Dallas, Texas

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## WADC Mailing List

- Reports almost certainly not distributed through FDLP
- Informal depository type distribution method using mailing lists
- Several mailing lists were used, broken down by subject area and/or laboratories

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## Crerar possession

- Materials Research at IIT
  - Probably on distribution mailing list for either Materials subject or Air Force Materials Laboratory
- Many other subjects
  - Medicine & Electrical Engineering
  - Probably informal Offers
- Date stamped by Crerar in late '60's

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## Contacts

- Aric Ahrens
  - Government Documents Depository Coordinator
  - [ahrens@iit.edu](mailto:ahrens@iit.edu)
- Contrails website
  - [www.gl.iit.edu/wadc/](http://www.gl.iit.edu/wadc/)

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