



NASA's ADS Abstract Service

Cooperation between the ADS and Libraries

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NASA's ADS Abstract Service

Overview

- ADS History
- Data in the ADS
- Librarian Contributions
- Future Plans



NASA's ADS Abstract Service

ADS History

- Concept: Joyce Watson
- Original data from NASA/STI in 1993
- First scans in 1994 (ApJ Letters)
- First electronic journal in 1995 (ApJ Letters)



NASA's ADS Abstract Service

ADS Data

- Abstracts:
 - Astronomy: 1.2 mio (580,000 abstracts)
 - Physics: 3 mio (2.1 mio abstracts)
 - arXiv e-prints: 378,000 (all with abstracts)
 - General: 379,000 (152,000 abstracts)



NASA's ADS Abstract Service

Data Origins for Astronomy Records

ADS (including OCR, Web harvesting, typing)	30.7%
Publishers (commercial and societies)	27.4%
NASA/Scientific and Technical Information (STI)	13.0%
SIMBAD/NED	11.8%
Library Collaborators	9.7%
Libraries (ARI, LOC, UMI, JSTOR)	3.3%
Editors/Authors	2.5%
Data Centers	1.5%



NASA's ADS Abstract Service

Data Origins for Physics Database

Publishers (commercial and societies)	71.1%
NASA/Scientific and Technical Information (STI)	18.1%
ADS (including OCR, Web harvesting, typing)	8.6%
Libraries (ARI, LOC, UMI, JSTOR)	2.1%



NASA's ADS Abstract Service

Major One-time Library Contributions

- Helen Knudsens astronomy bibliography
- AJ table of contents (Princeton)
- ESO library catalog (ESO)
- Historical observatory publications (USNO)



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Continuing Contributions

- Astronomy conferences (Hawaii)
- Acquisition lists (Toronto, STScI, ESO)
- Missing tables of contents (various)
- Book reviews (Toronto)
- Obituaries (USNO)



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Other Library Contributions

- Donations of material for scanning
- Help with selecting and prioritizing material for scanning
- Historical observatory publications microfilming (CfA)
- Historical observatory publications pagination
- Suggestions for improvements
- Maintaining bibliographies for various institutions
- Providing checks for completeness and accuracy
- Managing e-journal subscriptions and access



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Future Plans

- Historical observatory publications
- Library of Congress
- Historical books



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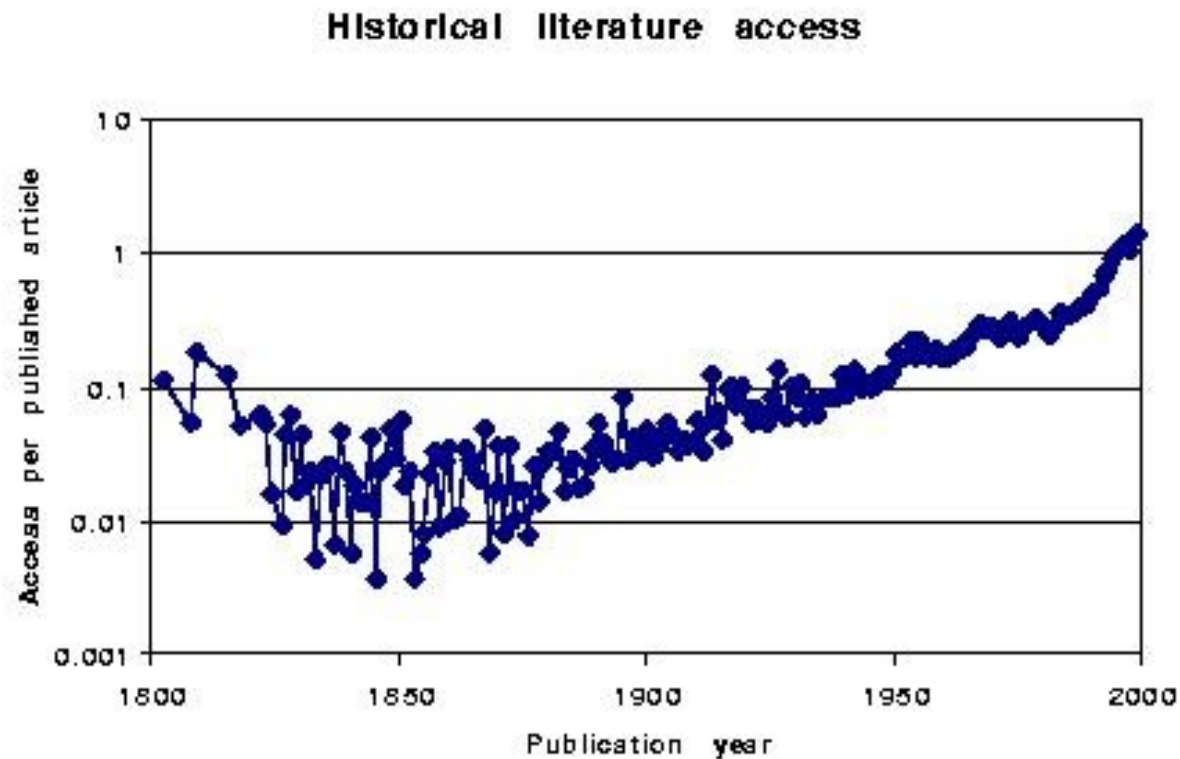
Access the ADS

<http://ads.harvard.edu>



NASA's ADS Abstract Service

Access to Historical Literature





NASA's ADS Abstract Service

ADS Usage by Region

Region	Users	Queries	Records	Abstracts
North America	28365	534271	42208464	366413
Europe	15575	325654	7344539	214881
Asia	4755	79903	2089829	45078
South America	1627	26686	538204	11796
Pacific	1178	14935	346669	8228
Middle East	241	3798	100347	1704
Africa	131	2282	54281	1190