

# Library integrated system -Aleph



---

Fang Peng  
Stony Brook University

# Aleph is one of Exlibris products



<http://www.exlibrisgroup.com/>



# Number of institutions using Aleph

---

## USA

- 2005: 654
- 2006: 1053
- 2007: 1790

Worldwide about 4000



# Aleph in Stony Brook Library

---

- Stony Brook converted the library system from NOTIS to Aleph in March 2002.
- Cataloging, Authority Control, Acquisition, Serials Control, Course Reserves and Circulation all are implemented in Aleph.
- ILL is not maintained in Aleph.



# Topic of discussion

---

- Major implementations of Aleph at Stony Brook
- What Aleph can do for you?

# Aleph Implementation 2003

## Aleph patch upgrade

---

- Upgrade from version 14.2 patch 2 to patch 7.
  - It was 2003 summer.
  - Exlibris did major upgrade.
  - New Aleph group supported upgrade.

# Aleph Implementation 2003

## CJK characters display

|                      |   |
|----------------------|---|
| <b>Location</b>      | <u>Main Library Stacks PL2904 .Q56 J44 2002 - Normal Loan</u> |
| <b>Format</b>        | Book  |
| <b>Author</b>        | ● <u>Su, Qing, 1914-1982.</u>                                 |
|                      | ● <u>苏青, 1914-1982.</u>                                       |
| <b>Title</b>         | ● <u>Jie hun shi nian / Su Qing zhu.</u>                      |
|                      | ● <u>结婚十年 / 苏青著.</u>  |
| <b>Variant title</b> | <b>Jie hun 10 nian</b>  |
| <b>Edition</b>       | Di 1 ban.   |
|                      | 第1版.  |
| <b>Imprint</b>       | Beijing : Jing ji ri bao chu ban she, 2002.                   |
|                      | 北京 : 经济日报出版社, 2002.   |

# Aleph Implementation 2003

## Patron file loading

---

- Update patron files from PeopleSoft twice a day automatically.
- New student and staff info is available in Aleph in 24 hours

# Aleph Implementations 2004

## Auto Reporter

---

- Established an auto reporter.
- Provides reports which will help management in decision making.
- It can be monthly, weekly and/or daily.
- The reports can be picked up in GUI, or as an attachment in an email, or as the content of an email.

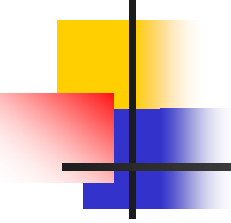


# Aleph Implementation 2004

## EDI (electronic data interchange)

---

- EDI with EBSCO
  - About 2.5 million dollar invoices a year.
  - It used to take three months to enter into the system manually. Now takes minutes.
- EDI with YBP
  - Speed up order cycle (from 90 days to 32 days).
  - Reduce paper work.



# Aleph Implementation 2004

## Web OPAC transformation

---

- Convert Web OPAC from frames to frameless seamlessly.



# Aleph Implementation 2004

## Fine Block

---

- Graduation and Transcript Blocks applied to anyone
  - owing more than \$4.99
  - with books overdue
  - with book due date later than patron expiration date
- Implemented on production in April 2004.

# Aleph Implementation 2004

## Fine Block (cont.)

---

- This is a report for Library Fines Paid through Bursar before and after Fine Block applied.
  - July 2001 - June 2002 \$5,023.24
  - July 2002 - June 2003 \$6,406.37
  - Fine Block applied in April 2004
  - July 2003 - June 2004 \$26,694.94 (applied 3 month)
  - July 2004 - March 24, 2005 \$30,276.45 (8 month)



# Aleph implementation 2005

## Patron privacy protection

---

- Merge duplicate patron records. Over 9000 records merged.

**\*\*\*\* Before second merge \*\*\*\***

Tuesday MAR 01, 2005 23:48:13  
Report: How many people have been blocked Today

|             |      |             |
|-------------|------|-------------|
| Staff       | 388  | \$45063.27  |
| Student     | 2900 | \$184358.06 |
| Third Party | 23   | \$1083.49   |

**\*\*\*\*\* After second merge \*\*\*\*\***

Tuesday MAR 01, 2005 23:52:51  
Report: How many people have been blocked Today

|             |      |             |
|-------------|------|-------------|
| Staff       | 480  | \$56298.87  |
| Student     | 4378 | \$294741.14 |
| Third Party | 68   | \$6318.49   |

**Fine Block Report**

# Aleph implementation 2005

## Patron privacy protection (cont)

---

- Deleted SSN from Aleph database.
- Scrub patron circulation history (only kept for 7 days).
- Clean up multiple barcode number for a patron.



# Aleph Implementation 2005

## Electronic resource

---

- SerialsSolution URLs batch-loaded in Aleph using ISSN as match points.
- Link checker is home developed.
- E-book loading
  - SUNY Press ebook (more than 1000)
  - Oxford Scholarship Online Collection(1153)
  - Etc. ...

# Aleph Implementation 2005

## Upgrade v14 to v17

---

- Upgrade Aleph from version 14 to 17.
- Upgrade Oracle Database from 8i to 9i.
- Upgrade Operating System from Solaris (UNIX) 8 to 9.

**Stony Brook library is first one on v17 in SUNY systems and Eighth nationwide.**

# Aleph Implementation 2005

## CJK index

- Created dictionary and indexes for CJK. CJK characters are searchable on Web OPAC.

### Stony Brook Catalog - Browse an Alphabetical Index

|                         |  |
|-------------------------|--|
| Type word or phrase:    | <input type="text" value="结婚十年"/>            |
| Select index to browse: | <input type="text" value="Title - Chinese"/> |

### Browse List: Titles Chinese

| No. of Recs | Entry                                 |
|-------------|---------------------------------------|
| 1           | <a href="#">節香樓上說收藏:謝志峰先生訪談錄 /chi</a> |
| 1           | <a href="#">结婚十年 /chi</a>             |
| 1           | <a href="#">解凍的時候 /chi</a>            |

# Aleph Implementation 2005

## Z3950 Protocol

- Implemented z3950 interface with HSC, LC. (LC is available in GUI )

### Multi-Base Keyword Search

---

Select Library Catalog(s) to search (required):

- Library Catalogs:  STARS Catalog  
 Health Sciences Center Library  
 Chinese Cookbook Collection

Field to search

Keyword(s) Anywhere ▼

Type word or phrase

SEARCH

RESET



# Aleph implementation 2006

## System security

---

- Implemented secure connection between Aleph and LDAP server.
  - We are the second to allow patron to access account using NetID in SBU.
  - Aleph server does not have to keep user credentials
  - Login page uses secure https and password is encrypted.



# Aleph implementation 2006 New Book List

## New Book List

Stony Brook University Libraries

01/30/2006 -- 03/01/2006

### CD & DVD B D E G H J K L M N P Q R Z In Process

CD & DVD(30)

B - Philosophy. Psychology. Religion(7)

D - History: General And Old World(7)

E - History: America(16)

G - Geography. Anthropology. Recreation(1)

H - Social Sciences(30)

J - Political Science(2)

K - Law(3)

L - Education(4)

M - Music And Books On Music(7)

N - Fine Arts(1)

P - Language And Literature(74)

Q - Science(8)

R - Medicine(5)

Z - Bibliography. Library Science.(1)

In Process(69)



# Aleph implementation 2006

## OCLC system changes

---

- ISBN changed from 10 to 13 digits.
- OCLC system number changed from 8 to 9 digits
- Applied Aleph patch upgrade to accommodate the changes

# Aleph implementation 2006

## HSC Library Upgrade

---


- Upgraded HSC library system from Aleph v14 to v17.



# Aleph implementation 2007

## Chinese Cookbooks

---

- Converted records from WordPerfect format to MARC format.
- Created new library and collections in Aleph.
- Made the records available and searchable on Web OPAC. 

Developed a strategy to convert any electronic data format to MARC

# Aleph implementation 2007

## Item Replacement

---

- Developed item replacement process.
  - Automatically change “missing” and “not returned” item status to “withdrawn”.
  - Automatically suppress holding and bib records which were withdrawn.
  - Automatically generate reports and send to selectors.



# Aleph implementation 2007

## Version 18 Upgrade

---

- Testing near completion.
- Production version upgrade planned on June 16.



# What Aleph Can Do for You?

---

- Automates processes for reporting, uploading, resource management.
- Expert search. Web OPAC for professional use.

## Expert Search in Full Catalog

Search using Common Command Language (CCL)

Examples: WME=ethic\* and WSU=business ("=" required)  
WCO=nano\* or WME=nano\*

Go

Clear



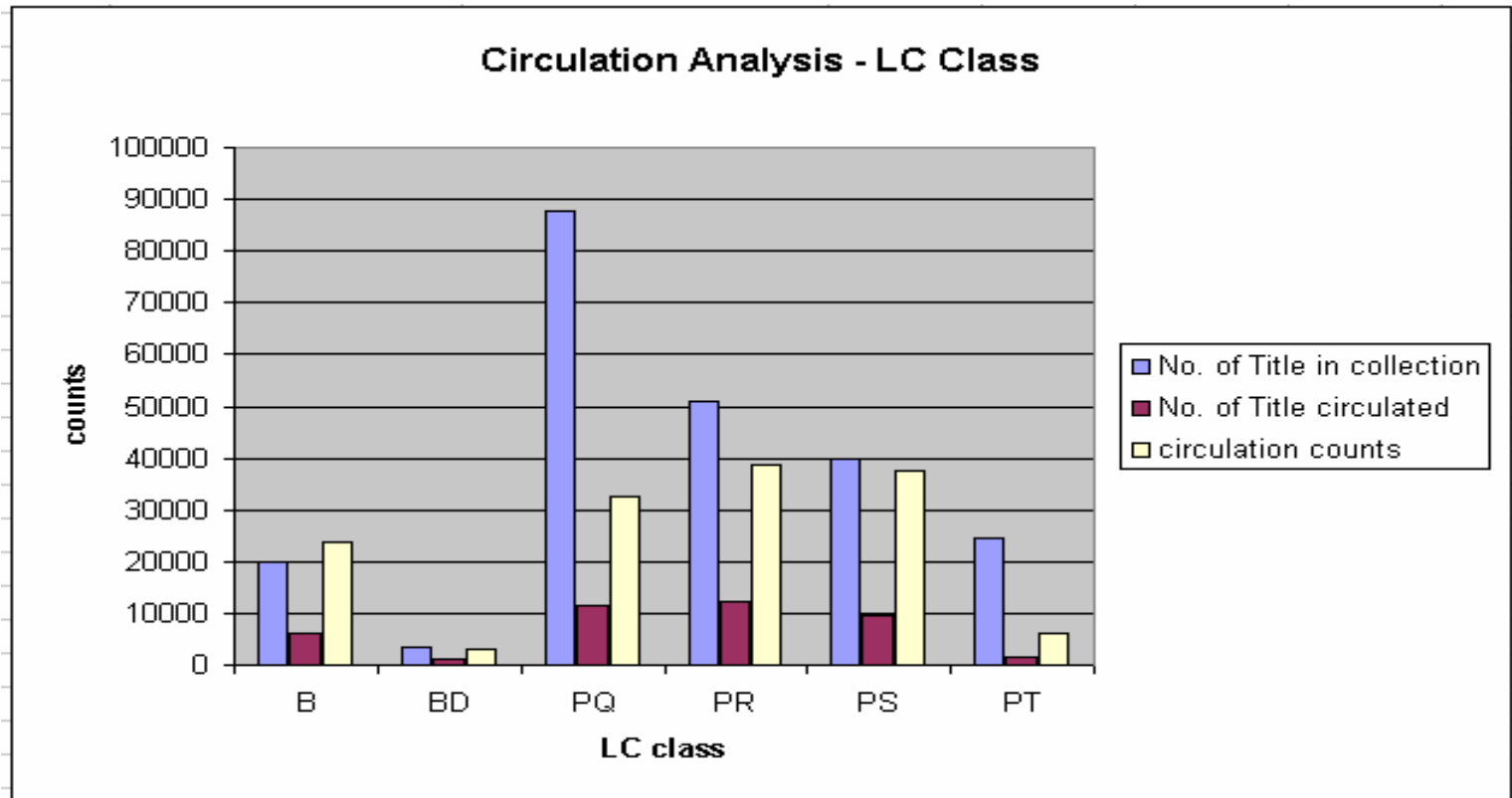
# What Aleph Can Do for You?

---

- Developing full text search.
- Digital Object can be maintained and indexed in Aleph.

# Example

## Statistics report



# Example Acquisition List

|    | A  | B            | C                           | D                    | E                | F           | G                    |
|----|--|--------------|-----------------------------|----------------------|------------------|-------------|----------------------|
| 1  |  |              |                             |                      |                  |             |                      |
| 2  | <b>Acquisition List for ACSM□20050701-20060630</b> |              |                             |                      |                  |             |                      |
| 3  |  |              |                             |                      |                  |             |                      |
| 4  | <b>FUND</b>  | <b>PRICE</b> | <b>TITLE</b>                | <b>AUTHOR_EDITOR</b> | <b>PUBLISHER</b> | <b>YEAR</b> | <b>CALL_NUMBER</b>   |
| 5  |  |              |                             |                      |                  |             |                      |
| 6  | ACSM   | 2245         | 19th century masterfile [el | Poole, William Fr    | Reston, VA :     | 1999        | Electronic Resource  |
| 7  | ACSM   | 16000        | ARTSTOR [electronic resourc |                      | New York : A     | 2003        |                      |
| 8  | ACSM   | 12961.3      | Britannica.com [electronic  |                      | [Chicago, Il     | 2000        | Electronic Resource  |
| 9  | ACSM   | 1500         | CQ voting and elections col |                      | [Washington,     | 2003        | Electronic Resource  |
| 10 | ACSM   | 750          | Cataloger's desktop [electr | Library of Congre    | Washington, :    | 2004        | Bibliographic Access |
| 11 | ACSM   | 700          | Classification web [electro | Library of Congre    | Washington, :    | 2002        |                      |
| 12 | ACSM   | 1178.1       | CountryWatch [electronic re |                      | Houston, Tex     | 2000        | Electronic Resource  |
| 13 | ACSM   | 200          | Dictionary of Old English O | Healey, Antonette    | [Ann Arbor :     | 1998        |                      |
| 14 | ACSM   | 9525         | Ei CompendexWeb [electronic |                      | Hoboken, N.J     | 1995        | Electronic Resource  |
| 15 | ACSM   | 395          | GOBI2 Choice.               |                      | [S.l. : s.n.     | 2003        |                      |
| 16 | ACSM   | 1312.5       | Gobi II.                    | Yankee Book Peddl    | Contoocook, I    | 2004        |                      |
| 17 | ACSM   | 689          | Iter                        |                      | Toronto : It     | 1997        |                      |
| 18 | ACSM   | 1800         | LexisNexis Environmental Un |                      | Bethesda, MD     | 2002        |                      |
| 19 | ACSM   | 100          | Long Island Library Catalog |                      | Dublin, Ohio     | 2000        |                      |
| 20 | ACSM   | 750          | Middle English compendium [ |                      | [Ann Arbor, :    | 1998        | Electronic Resource  |
| 21 | ACSM   | 742          | Polling the nations [electr |                      | [Silver Sprin    | 1997        | Electronic Resource  |
| 22 | ACSM   | 967.6        | Rarebooks.info [electronic  |                      | Boulogne, Fr     | 2000        | Electronic Resource  |
| 23 | ACSM   | 308          | Women and Social Movements  |                      | Alexandria, *    | 2003        |                      |



# Example

## Acquisitions Expenditures 2005.xls

|    | A               | B                   | C                 | D                   | E              | F                   | G              | H             |
|----|-----------------|---------------------|-------------------|---------------------|----------------|---------------------|----------------|---------------|
| 1  |                 |                     | <b>Total</b>      | <b>Year-to-Date</b> | <b>Actual</b>  | <b>Year-to-Date</b> | <b>Free</b>    | <b>Free</b>   |
| 2  | <b>Subject</b>  | <b>TRIM(FUND_NA</b> | <b>Allocation</b> | <b>Expenditures</b> | <b>Balance</b> | <b>Commitments</b>  | <b>Balance</b> | <b>Bal. %</b> |
| 3  | -----           | -----               | -----             | -----               | -----          | -----               | -----          | -----         |
| 4  | Africana        | AFSS-2005           | 8746.44           | -8302.57            | 443.87         | -48.55              | 395.32         | 4.5           |
| 5  | Anthropology    | ANTS-2005           | 19352.62          | -17929              | 1423.62        | -83.62              | 1340           | 6.9           |
| 6  | Art             | ARTS-2005           | 8104.64           | -7436.34            | 668.3          | 0                   | 668.3          | 8.2           |
| 7  | Asian American  | ASAS-2005           | 202.83            | -145.55             | 57.28          | 0                   | 57.28          | 28.2          |
| 8  | Audio/Visual    | AUDS-2005           | 300.79            | 0                   | 300.79         | -48.79              | 252            | 83.8          |
| 9  | Biology         | BIOS-2005           | 297894.26         | -284053.28          | 13840.98       | -13464.42           | 376.56         | 0.1           |
| 10 | Business Admir  | BUSS-2005           | 50000             | -68479.91           | -18479.91      | -933.42             | -19413.33      | -38.8         |
| 11 | Chemistry       | CHES-2005           | 381923.68         | -328744.91          | 53178.77       | -42254.54           | 10924.23       | 2.9           |
| 12 | Chinese         | CHIS-2005           | 1484.62           | -1354.66            | 129.96         | -80.82              | 49.14          | 3.3           |
| 13 | Classics        | CLSS-2005           | 2691.47           | -3503.43            | -811.96        | -143.28             | -955.24        | -35.5         |
| 14 | Comparative Li  | CLTS-2005           | 11867.52          | -9009.29            | 2858.23        | -27.09              | 2831.14        | 23.9          |
| 15 | Computer Scier  | CSES-2005           | 72408.68          | -68005.37           | 4403.31        | -493.07             | 3910.24        | 5.4           |
| 16 | Documents       | DOCS-2005           | 90231.57          | -59889.19           | 30342.38       | -12283.63           | 18058.75       | 20            |
| 17 | EDUCATION / CEF | EDUC-2005           | 11315.7           | 13200.00            | 2310.00        | 2501.55             | 4000.00        | 40.0          |

# Example Digital Object

## Full View of Record

Choose Display: [Full](#) [Brief](#) [MARC](#)

Record 1 out of 1

|                  |  |
|------------------|--|
| Sys. no.         | 001082411  |
| Holding Location | <a href="#">Music Library - Audio - 1766</a>   |
| Format           | Sound disc   |
|                  | Sound recording  |
| Author           | ● <a href="#">Mozart, Wolfgang Amadeus, 1756-1791.</a>   |
| Uniform Title    | ● <a href="#">Masses, K. 317, C major</a>  |
| Title            | ● <a href="#">Mass in C major, KV 317 [sound recording] : "Coronation mass" / <b>Mozart.</b></a>   |
| Variant title    | Coronation mass  |
| Imprint          | Boston, Mass. : Haydn Society, [1960?].  |
| Descr.           | 1 sound disc : analog, 33 1/3 rpm, mono. ; 10 in.  |
| Gen. note        | Program notes on container.<br>-   |
| Subject          | ● <a href="#">Masses.</a>  |
| Add.Entry        | ● <a href="#">Schwaiger, Rosl.</a>   |
|                  | ● <a href="#">Burgstaller-Schuster, Gertrud, 1916-</a>   |
|                  | ● <a href="#">Handt, Herbert.</a>  |
|                  | ● <a href="#">Pernerstorfer, Alois, 1912-</a>  |
|                  | ● <a href="#">Heiller, Anton, 1923-</a>  |
|                  | ● <a href="#">Gillesberger, Hans</a>   |
| Add.Entry        | ● <a href="#">Mozart Festival Orchestra.</a>   |
|                  | ● <a href="#">Wiener Akademie-Kammerchor</a>   |
| Digital Object   |  <a href="#">Mass in C major, KV 317 [sound recording] : "Coronation mass" / Mozart. (Click icon)</a> |

**Click on it and listen to the  
music from Stars**