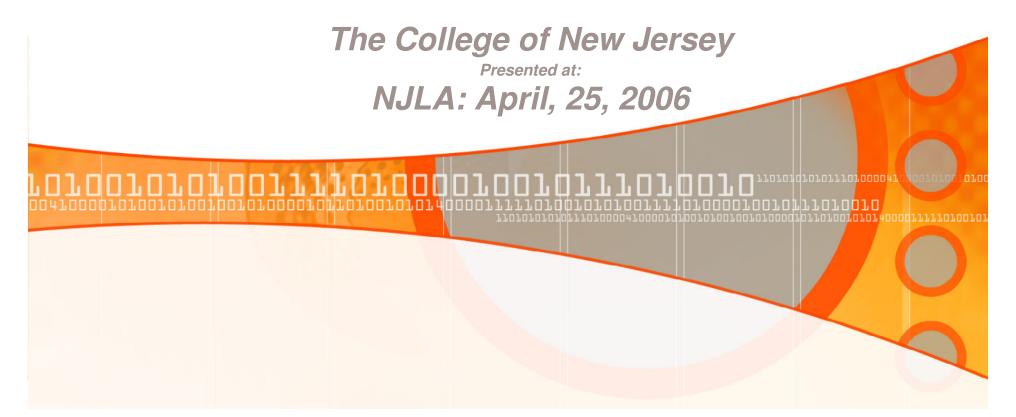
# Library Outreach and the Course Management System: Using RSS Feeds to Advertise New Library Holding

Edward M. Corrado, Systems Librarian Eric Thul, Student Web Developer Heather L. Moulaison, Cataloging/Modern Languages Librarian



# **Problem Statement**

- Topic: Engaging users by providing them with effortless access to relevant new library holdings
- Question: Does current technology provide a way for us, a medium sized college library, to accomplish this?
- Rationale: To draw awareness to the library's evolving print collection while reinforcing the library's active role in scholarship
- Significance: By working together, librarians, students, and the IT department have been able to provide a useful service despite limited resources and have created a model for others to follow

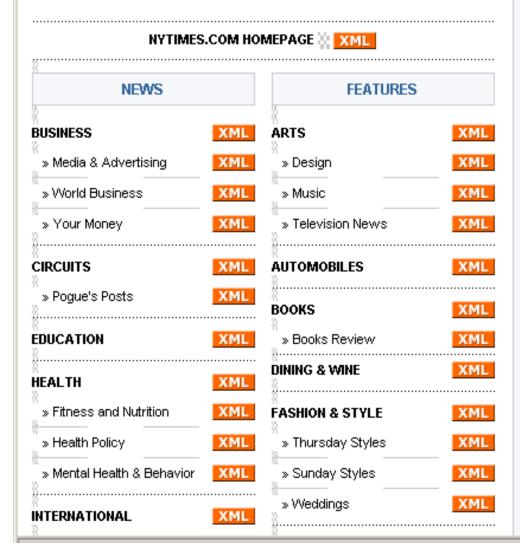
## **Managing Constantly Updating Information: RSS**



## **Content-Specific RSS feeds from NY Times**

#### How to sign up for NYTimes.com RSS feeds

Click on the below content area(s) you're interested in subscribing to, and follow the instructions to add to your news reader or your personal My Yahoo! page.



#### How to access RSS feeds

There are a number of ways to access RSS feeds. You can install a news reader that displays RSS feeds from the Web sites you select, enabling you to view hundreds of headlines at once. After installing the news reader, you can add each feed manually from the Web site by clicking on the "Subscribe" or the "XML" orange button next to the feed.

An alternative to downloading a dedicated news reader is to use a Web-based news reader. For example, My Yahoo! users can now add RSS feeds directly to their personal page.

#### NYTimes.com RSS feeds by category

If your news reader supports OPML, NYTimes.com RSS feeds are available that group content by various news categories:

#### XML

#### Terms for NYTimes.com RSS feeds

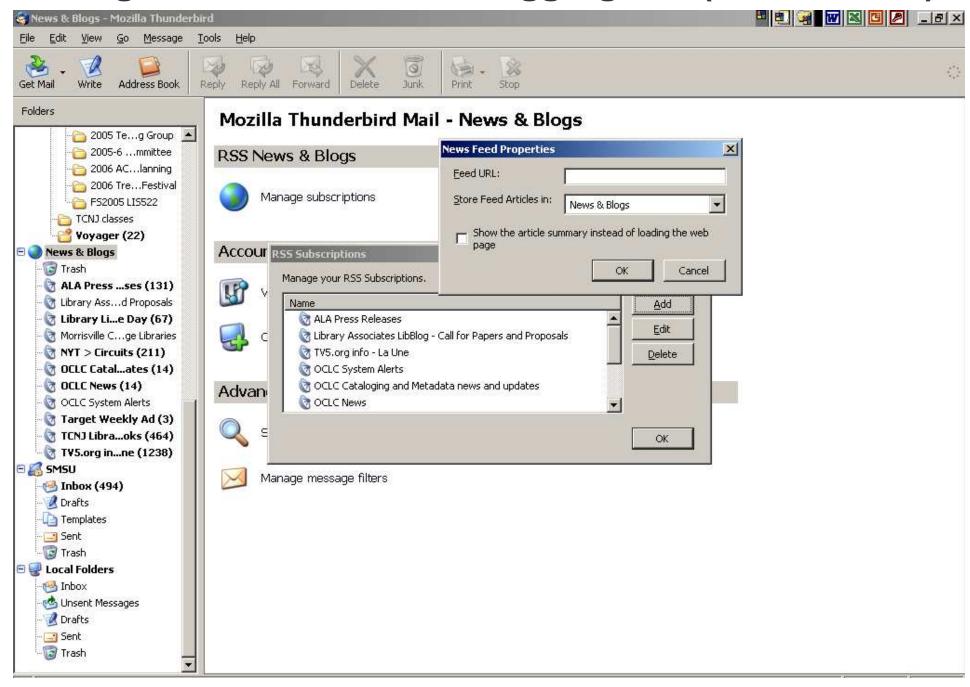
We encourage the use of NYTimes.com RSS feeds for personal use in a news reader or as part of a non-commercial Web site or blog. We require proper format and attribution whenever New York Times content is posted on your Web site, and we reserve the right to require that you cease distributing NYTimes.com content. Please read the Terms and Conditions for complete instructions.

#### Other ways to display

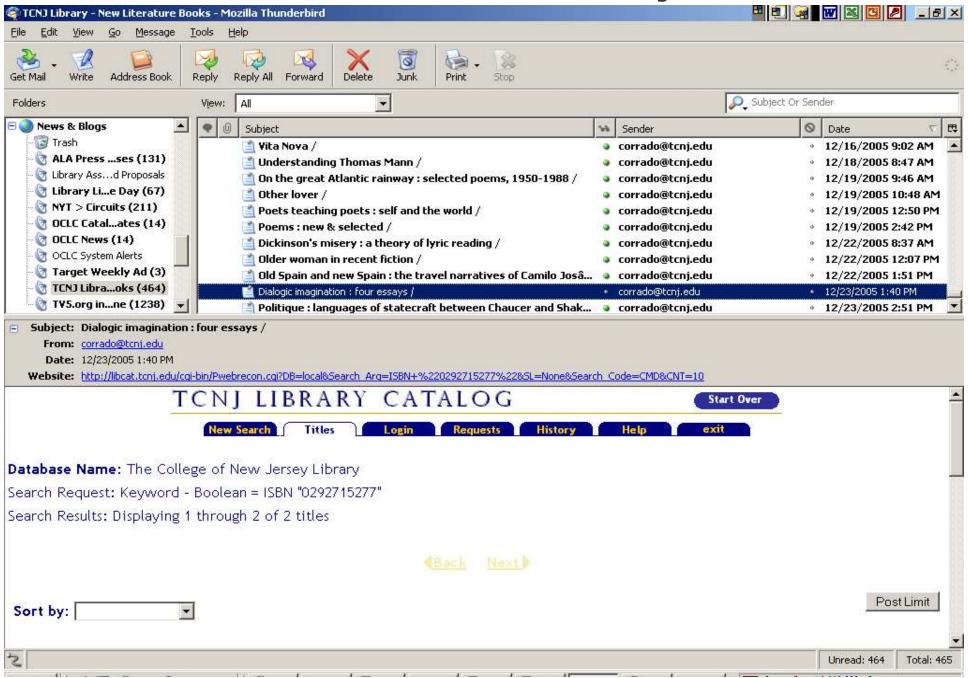
## What is RSS?

- The acronym varies by RSS version:
  - RDF Site Summary (0.9, 1.0)
  - Rich Site Summary (0.9x)
  - Really Simple Syndication (2.0)
- "There is no consensus on what RSS stands for, so it is not an acronym, it is a name" Dave Winer of Userland
- "Result Set Syndication" Walter Lewis (not a "real" definition, but it is a good way to think of it, especially for this project)

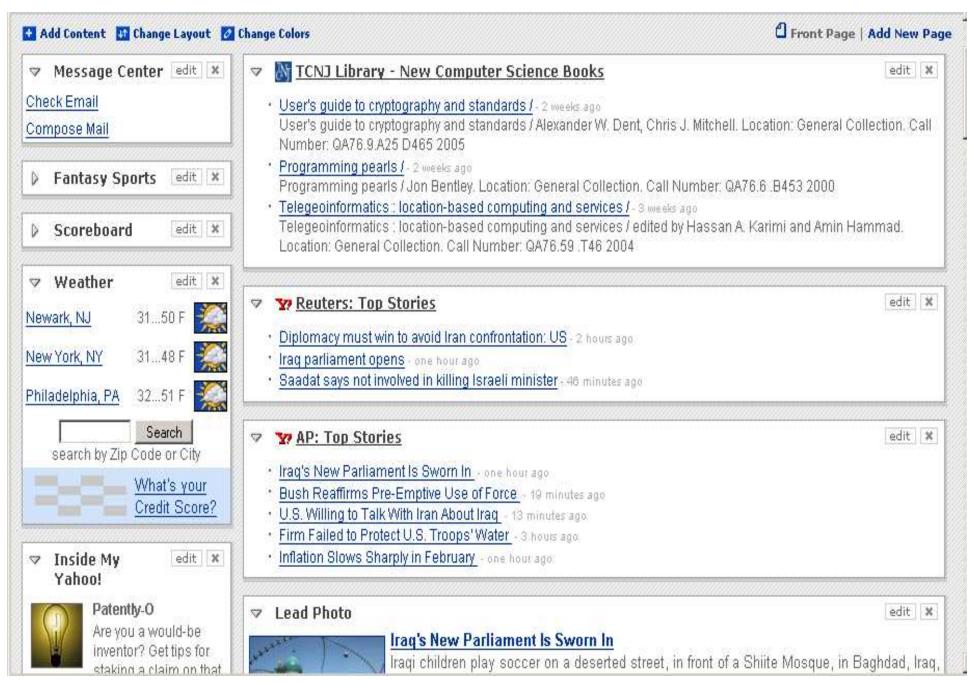
## Adding a URL for a Feed to Aggregator (Thunderbird)



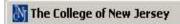
#### "New Literature" Feed from TCNJ Library in Thunderbird



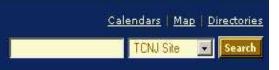
## **RSS Feeds Integrated into a My Yahoo!**



#### **RSS Feeds Integrated into a Webpage**



# The College of New Jersey



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- » LIBRARY
- » WORKING AT TCNJ

Popular Links





#### **TCNJ News & Announcements**

#### Knowledge is Power



The College of New Jersey has developed an Energy Conservation Awareness Initiative to help mitigate the unprecedented escalation in energy prices that has occurred globally in recent months.

- TCNJ is Nation's Top Division III Athletic Program for Fall Semester
- Sesquicentennial Events and Designs Garner Top Spots from CASE
- Federal Grant to Support TCNJ Community Service Initiatives

MORE NEWS >>

#### **TCNJ Events**

College Offices Closed for the Holidays, Reopening January 3 December 23, 2005 - January 2, 2006

Saving Energy is Up to You Every Single Day, 24/7

CALENDARS | MAP & DIRECTIONS

The College of New Jersey

WebMail | SOCS | TESS | ARTIE | YESS

# **RSS Feeds of New Library Holdings**

- Revisiting the Problem Statement:
  - Topic: Engaging users by providing them with effortless access to relevant new library holdings
  - Question: Does current technology provide a way for us, a medium sized college library, to accomplish this?
  - Rationale: To draw awareness to the library's evolving print collection while reinforcing the library's active role in scholarship
  - Significance: By working together, librarians, students, and the IT department have been able to provide a useful service despite limited resources and have created a model for others to follow
- RSS feed is made available in Course Management System
  - TCNJ's SOCS (Simple Online Courseware System)

## **RSS Feeds in SOCS:**

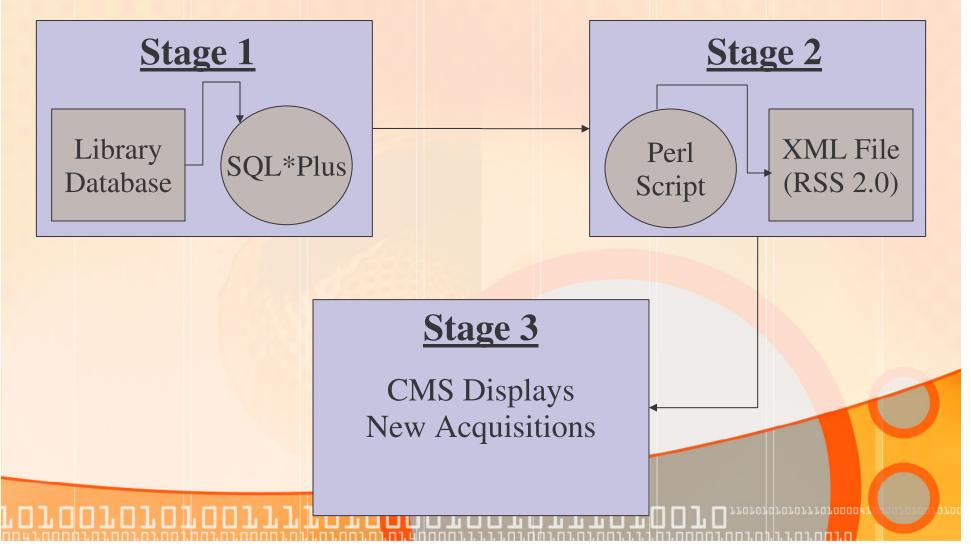
- Feed displays prominently within CMS
- Lists relevant recent monographic acquisitions
- Provides seamless, automatic syndication
- Is tailored to specific course
- Anticipates user need

# **Getting Started/Feasibility**

- Will it be used?
  - "New Books List" has proven to be popular
  - Informal discussions with key stakeholders
    - Librarians
    - Classroom faculty
    - IT (SOCS designer, web master)
- Has another Voyager library done this (or similar)?
- Do we have the in-house expertise to do this?
- Effort vs. reward (If you build it, will they come?)

# Methodology

Consider the following flow chart outlining the general model for our implementation:



# Stage 1 – Overview

#### **Main Goals**

- Determine which acquisitions are "new"
- Report items in a flat file for further processing
- Maintain up-to-date information

## **Design Considerations**

- Subjects for feeds
  - LoC call number vs. LoC Subject Heading vs ???
- Fields to display
  - Acquisition Date, ISBN, Title (245a), Title Statement (245), Location(s), LoC call number

# Stage 1 – Implementation

```
SQL*Plus Pseudo Code:
 select distinct
            item create date ||'|'||
            isbn||'|'||
           brief title | | ' | ' | |
 from
           bib_record,
            location,
 where
           suppress_in_opac not in ('Y') and
           call number between 'QA' and 'QB' and
           call number not between 'OA 71' and 'OA 91' and
 order by
           location,
```

# **Stage 2 – Overview**

#### **Main Goals**

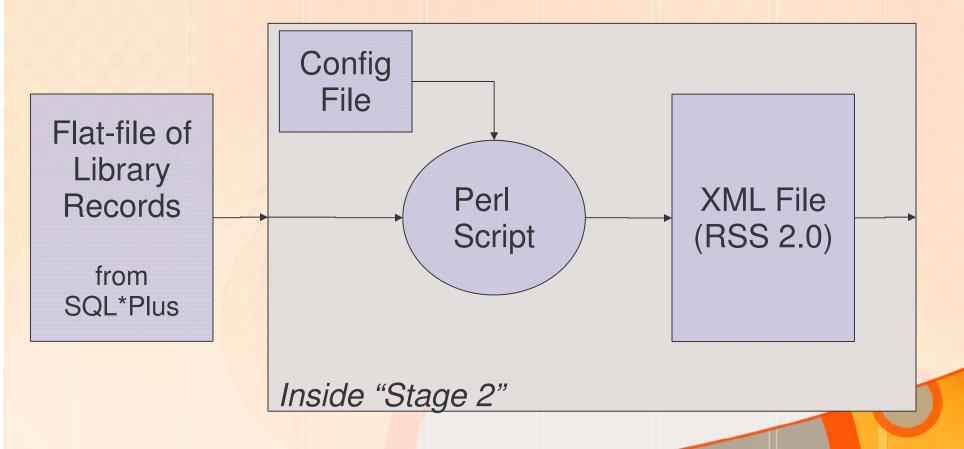
- Process the flat file of new acquisitions
- Format each field accordingly
- Generate XML files

## **Design Considerations**

- The Perl programming language
  - Rich text processing, robust pattern matching, familiarity
  - . "Makes the easy jobs easy and the hard jobs possible"
    - -- Programming Perl. Wall, Christiansen, Orwant
- RSS Version
  - Version 0.90 vs. Version 0.91/1.0 vs. Version 2.0

# Stage 2 - Implementation

Consider the following flow chart outlining the basic approach:



# Stage 2 - Technical Details

## Plain Text "lst" flat file:

```
Sat, 13 AUG 2005 13:57:37 EDT|1580257259 |...

Fri, 12 AUG 2005 14:13:37 EDT|0873534980 (pbk.) |...

Thu, 28 JUL 2005 16:24:55 EDT|0766832279 (pbk.) |...

Thu, 28 JUL 2005 14:34:05 EDT|0325005060 (pbk.) |...
```

# **Stage 2 – Technical Details**

## Plain Text Configuration File:

```
channel-title="New Mathematics Books"
channel-description="Mathematics"
channel-itemfile="math.lst"
```

```
channel-title="New Test Books"
channel-description="Test"
channel-itemfile="test.lst"
```

# Stage 2 - Technical Details

```
Perl Script Pseudo Code:
```

Read config file for channel meta-data

For each channel

Parse associated flat file

Split by the pipe delimiter

Create internal data structure

Format each category accordingly

Create RSS channel

For each element of internal structure

Insert element into RSS channel

End For

End For

Write RSS file to disk

# **Stage 2 – Results**

#### RSS 2.0 File:

```
<?xml version="1.0" encoding="US-ASCII"?>
<rss version="2.0">
    <channel>
        <title>New Mathematics Books</title>
        <item>
            <title>SAS System for regression</title>
            <link>http://...</link>
            <description>
                SAS System for regression /
                Rudolf J. Freund, Ramon C. Littell.
                Location: General Collection.
                Call Number: QA276.4 .F74 2000
            </description>
            <author>...</author>
            <pubDate>Sat, 13 AUG 2005 13:57:37 EDT</pubDate>
        </item>
    </channel>
</rss>
```

# **Stage 2 – Code Module Credits**

- CPAN, repository for free public Perl code
- XML::RSS module authored by
  - Original code: Jonathan Eisenzopf 
    <eisen@pobox.com>
  - Further changes: Rael Dornfest <a href="mailto:rael@oreilly.com">rael@oreilly.com</a>

# **Stage 3 – Overview**

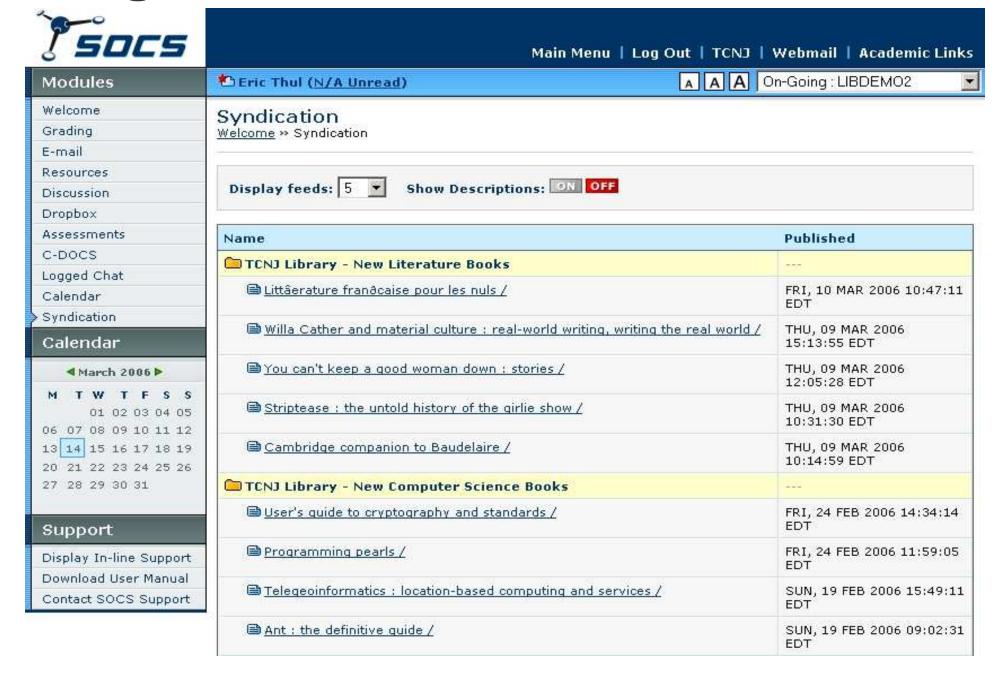
#### **Main Goals**

- Accept RSS 2.0 files
- Display new acquisitions to the community
- Allow for display alternatives (aggregators/news readers)

## **Design Considerations**

- Course Management Software
  - SOCS, in-house CMS software
- Subject Guides
  - Web pages within the library's site

# Stage 3 – SOCS Screens



# Stage 3 – SOCS Screens



Main Menu | Log Out | TCNJ | Webmail | Academic Links A A A On-Going : LIBDEMO2 Modules Eric Thul (N/A Unread) Welcome Syndication Grading Welcome » Syndication E-mail Resources Show Descriptions: ON OFF Display feeds: 5 Discussion Dropbox Assessments Name Published C-DOCS TCNJ Library - New Literature Books Logged Chat Littåerature franôcaise pour les nuls / FRI, 10 MAR 2006 10:47:11 Calendar Littâerature francoaise pour les nuls / Jean-Joseph Julaud, Location: General EDT Syndication Collection, Call Number: PO101 J85 2005 Calendar Willa Cather and material culture: real-world writing, writing the real world / THU, 09 MAR 2006 Willa Cather and material culture: real-world writing, writing the real world / 15:13:55 EDT edited by Janis P. Stout, Location: General Collection, Call Number: PS3505.A87 March 2006 ▶ Z93525 2005 M TW TFSS You can't keep a good woman down : stories / THU, 09 MAR 2006 01 02 03 04 05 You can't keep a good woman down; stories / by Alice Walker, Location; 12:05:28 EDT 06 07 08 09 10 11 12 General Collection, Call Number: PS3573,A425 Y6 13 14 15 16 17 18 19 Striptease: the untold history of the girlie show / THU, 09 MAR 2006 20 21 22 23 24 25 26 Striptease: the untold history of the girlie show / Rachel Shteir, Location: 10:31:30 EDT 27 28 29 30 31 General Collection, Call Number: PN1949.S7 S55 2004 Cambridge companion to Baudelaire / THU, 09 MAR 2006 Cambridge companion to Baudelaire / edited by Rosemary Lloyd, Location: 10:14:59 EDT Support General Collection, Call Number: PQ2191.Z5 C24 2005 Display In-line Support TCNJ Library - New Computer Science Books Download User Manual User's guide to cryptography and standards / FRI, 24 FEB 2006 14:34:14 Contact SOCS Support User's guide to cryptography and standards / Alexander W. Dent, Chris J. EDT Mitchell, Location: General Collection, Call Number: QA76,9,A25 D465 2005 Programming pearls / FRI, 24 FEB 2006 11:59:05 Programming pearls / Jon Bentley, Location: General Collection, Call Number: EDT QA76.6 .B453 2000

# Stage 3 - Subject Guide Screens

TCNJ Library

Ask A Librarian

TCNJ Home: Library: Subject & Class Guides: Philosophy

#### Text Size: A 🙏 🗛

#### Philosophy

#### Contents

- Background Information
- Articles & More
- Books, Videos & More
- Careers & Graduate Programs
- People & Organizations
- Other Guides to Philosophy Resources
- Writing Resources / Style Manuals

#### **Background Information**

<u>Dictionary of Philosophical Terms and Names</u>
<u>Stanford Encyclopedia of Philosophy</u>
<u>Internet Encyclopedia of Philosophy</u>
<u>Index to Philosophy Dictionaries and Encyclopedia</u>

- , Blackwell Companion to Philosophy REF B21.B56
- . World Philosophy: Essay Reviews of 225 Major Works REF B29.W68
- , Oxford Dictionary of Philosophy REF B41.B53
- . Cambridge Dictionary of Philosophy REF B41,C35
- . Routledge Encyclopedia of Philosophy REF B51.R68
- , Biographical Dictionary of Twentieth Century Philosophers REF B104.B52
- . Encyclopedia of Empiricism REF B816.E53
- . Dictionary of Existentialism REF B819.D455
- . Ayn Rand Lexicon REF B945.R233

Hobbes Dictionary REF B1246 M37

#### New Books at TCNJ

#### Moral animals: ideals and constraints in moral theory /

Moral animals ; ideals and constraints in moral theory / Catherine Wilson, Location: General Collection, Call Number: BJ1031 .W56 2004

#### Veritas: the correspondence theory and its critics /

Veritas : the correspondence theory and its critics / Gerald Vision. Location: General Collection. Call Number: BD171 .V56 2004

#### Fundamentals of logic /

Fundamentals of logic / James D. Carney and Richard K. Scheer, Location: General Collection, Call Number: BC71 .C37 1980

## Cultivating kindness in school: activities that promote integrity, respect, and compassion in elementary and middle school students /

Cultivating kindness in school: activities that promote integrity, respect, and compassion in elementary and middle school students / Ric Stuecker. Location: General Collection. Call Number: BJ1533.K5 S7 2004

#### Logical forms: an introduction to philosophical logic /

Logical forms: an introduction to philosophical logic / Mark Sainsbury, Location; General Collection, Call Number; BC135 .814 1991

#### Oxford handbook of metaphysics /

Oxford handbook of metaphysics / edited by Michael J. Loux and Dean W. Zimmerman. Location: General Collection. Call Number: BD111 .094 2005

#### Triumph of practice over theory in ethics /

Triumph of practice over theory in ethics / James P. Sterba. Location: General Collection. Call Number: BJ71 .S69 2005

#### Love of self and love of God in thirteenth-century ethics /

Love of self and love of God in thirteenth-century ethics / Thomas M. Osborne, Jr. Location: General Collection. Call

## **Benefits to Resolving the Problem Statement**

By implementing RSS feeds, the benefits include...

- 1. Maintains library's relevancy to campus community in digital environment
- 2. Spotlights and encourages local skills and talents as part of the collaborative nature of the project
- 3. Provides library outreach for scholarship and teaching
- 4. Improves library visibility while encouraging learning through use of advertised holdings
- 5. Provides users with easily-accessible method for accessing new and relevant library holdings information on topics they need, when they need them

### 1. Advertising Library Relevance to Campus Community

In the increasingly digital campus environment:

- Promotes library relevancy in campus's online information environment
- Markets library and OPAC holdings to targeted users in campus CMS
- Informs users who do not browse the library regularly
- Provides information to users without requiring them to find quality feeds or set them up
  - Answers a call in the library lit. (Byrne, 2005)
- Supports distance-education initiatives, providing a "link" to the brick and mortar campus

## 2. Making the Most of Library Human Resources

## Implementing the project in a library:

- Is feasible with basic on-campus/in-house expertise
  - Does not require high-budget software
  - Does not require outsourced programming
- Provides librarians an opportunity to collaborate within and outside of the library walls
  - Involves collaboration among diverse kinds of librarians (systems, public services, technical services)
  - Can recruit talented student IT workers

## 3. Providing Outreach for Scholarship and Teaching

As an aid to teaching and learning in higher education:

- Highlights the dynamic nature of the collection and the academic support provided by the library
- Illustrates the continued relevancy of the brick and mortar library
  - "Intellectual hub" of the campus community
- Provides library faculty an opportunity to mentor/work meaningfully with students
- Demonstrates library's willingness to collaborate with other departments on campus (IT) and vice versa
- Provides library follow-through on commitment to support online education initiatives

## 4. Increasing On-Campus Visibility for the Library

RSS feed project, as a boon to library operations:

- Functions as a virtual "New Book" area
- Streamlines information in RSS display to include only acquisitions relevant to the subject matter of the course
- Targets a specific group of scholars/students at appropriate time
- Provides an effortless method for students and faculty to know when new books are available at the library
  - Addresses call to embed library collections and services in users' workflows (Dempsey, 2005)

--We project that the visibility of new holdings in CMS will generate interest and increase new book circulation in library

## 5. Providing Users with Information They Want...

**Effortless Access to Information on Relevant New Monographic Holdings** 

- Inspires student curiosity in subject matter by displaying titles representative of latest trends in the field
  - Assurance that title IS there and available
- Provides seamless access to OPAC for further browsing (via hyperlink to bib. record)
  - Encourages users to access OPAC directly from CMS
  - Encourages general use of the OPAC as a research tool

## ...When They Want It, How They Want It.

- In response to Education's call for library visibility in CMS (i.e. Cohen, 2002)
- Offers alternative to Google for information searching in online environment
- Showcases library holdings at "point of need"
- Generates general student and faculty interest in library holdings
  - Volume of new books!
  - Newness of acquisitions!
  - Catchiness of titles!

## **Discussions**

- Collaboration for fun and profit
- Still a work in progress
- Other uses of the "New Library Acquisitions" RSS feeds
  - In aggregators, such as Thunderbird
  - In Subject & Class guides
  - In the Library website
  - In other TCNJ websites

# Library Outreach and the Course Management System: Using RSS Feeds to Advertise New Library Holding

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http://www.tcnj.edu/~corrado/scholarly/njla2006/



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