

# Blacklight

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# History

- Distilled from Collex on a Bess Sadler double-dare
  - solr-ruby & Flare open-sourced
- code4lib '07 preconference and keynote: Solr + Flare + MARC data
- UVA light = Blacklight
- UVA usability studies and code extensions



# Collex @ NINES

**NINES** is a federation of peer-reviewed resources, citation records, and innovative research tools, made freely available to students and scholars of 19th-century culture. [:: learn more ::](#)

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**RESEARCH** **CREATE**

**YOUR CONSTRAINTS**

genres:	+ Visual Art	<a href="#">remove</a>
genres:	- Criticism	<a href="#">remove</a>
names:	+ Dante Gabriel Rossetti	<a href="#">remove</a>
		<a href="#">clear all</a>

1473 matches ▼

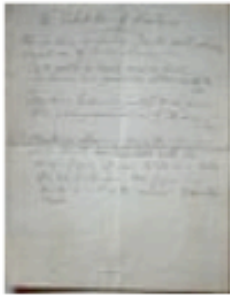
**CONSTRAIN FURTHER**

phrase:	<input type="text" value="wom"/>	<a href="#">add</a>
resource:	<div>woman (35) 1473 items women (5) wombat (2)</div>	
genres:		
Paratext		+ 2 items or -
	<a href="#">show more genres</a>	
year:	<input type="text"/>	<a href="#">add</a>
name:	<input type="text"/>	<a href="#">add</a>
limit to:	Free Culture objects	+ 1473 items or -

1473 results: page 1 of 74 [next page >>>](#)


[select all](#) | [collect selected](#)

☐



collect

☐



collect

**The Salutation of Beatrice (prose description)** →  
site: [The Rossetti Archive](#) →  
name: Dante Gabriel Rossetti (Author)  
Dante Gabriel Rossetti (Translator)  
date: 1880  
genre: Manuscript **1 item**  
Translation **1 item**  
Visual Art **1473 items**

→  
site: [The Rossetti Archive](#) →  
name: Dante Gabriel Rossetti (Author)  
date: 1845-1881  
genre: Visual Art **1473 items**



# Who we are

- Erik Hatcher (emeritus)
- Bess Sadler
- Matt Mitchell
- Erin Mayhood
- Bethany Nowviskie



# Open Source!



<http://blacklight.rubyforge.org>



# Features

- Full-text search
- Faceted browsing
- Incremental query building
- Multiple data sources
  - MARC via ILS export
  - Digital library (EAD/TEI)
  - E-text (Tang Dynasty Poems)
- Malleable UI



Search



This is BLACKLIGHT, a research project of the University of Virginia Library.

Applied Filters: None

#### SOURCE

Digital Library (10143)  
Library Catalog (4437247)

#### FORMAT

AV-3DAY (2128)  
Archives (32368)  
Audio CD (19424)  
Book (3018684)  
CD-ROM (5097)  
CDNETWORK (31)  
Cassette (4386)  
DEFAULT-HS (12)  
DVD (132)  
Digital Media (1471)  
More...

#### LIBRARY

Alderman (2063416)



# Music Interface

- Music Librarian directed usability
- Music-centric facets
  - Instruments, Composition, Recording format
- Custom UI capability





← Records 1-10 of 55 →

### Broken consort

Title: Broken consort

Author: Cygnus ensemble

Published: New york, ny :

Material type: 1 sound disc (71 min.) :

Notes: Principally for violin, violoncello, flute, oboe, and 2 guitars; the 6th work also with piano. the 3rd work for soprano, violin, violoncello and 2 guitars; the 4th for 2 guitars; the 5th for violoncello, flute, and oboe; Compact disc; Biographical notes by robert carl, and vocal texts of the 3rd work (11 p.) inserted in container; Broken consort / sebastian currier (14:14) -- spooks / john halle (7:54) -- fenton songs / charles wuorinen (9:44) -- resisting stillness / chester biscardi (5:06) -- frag / david lang (6:58) -- ear conception / william anderson (23:38) -- composition no. 186 / anthony braxton (12:10) -- cygnature piece / robert pollock (9:29)

### Diary of a seducer

Title: Diary of a seducer

Author: Anderson, william,

Published: New york :

Material type: 1 sound disc (70 min.) :

Notes: Guitar music; the 1st work for 1, 2 and 3 guitars; Eds. recorded: merion music (martin), c. f. peters (wuorinen and babbitt), boosey & hawes (edgar); Compact disc; Biographical and program notes by

### Applied Filters:

- Instrument: "Guitar" - [remove](#)
- Recordings and scores: "Recordings" - [remove](#)
- Composition era: "20th Century" - [remove](#)
- Recording format: "CD" - [remove](#)

[Remove all filters.](#)

### RECORDINGS AND SCORES

Recordings (55)

[Recordings and/or Scores \(55\)](#)

### INSTRUMENT

[Alto voice \(357\)](#)

[Band \(278\)](#)

[Baritone horn \(61\)](#)

[Baritone voice \(404\)](#)

[Bass clarinet \(172\)](#)

[Bass voice \(376\)](#)

[Bassoon \(1165\)](#)

[Bowed Strins. Ethnic \(5\)](#)

[Bowed Stri](#)

[Bowed Stri](#)

[More...](#)

### RECORDING FORMAT

[CD \(18968\)](#)

[Cassette \(4149\)](#)

[LP \(25013\)](#)


[Open Reel Tape \(468\)](#)

[VHS \(27\)](#)

[Video Disc \(6\)](#)



# Frankly my dear...

UNIVERSITY of VIRGINIA LIBRARIES

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## VIRGO: UVA Libraries Catalog

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# Search Results

keyword anywhere "gone with the wind" search found 166 titles.  
Pages << 1 2 3 4 5 6 7 8 9 >>

#1	N8236 .P466 L36 2008	2008
<a href="#">Details</a>	<b>Landscape of slavery : the plantation in American art</b> Mack, Angela D., 1952-	
<a href="#">Save</a>	1 copy available at Special Collections copy available in Special Collections SC-STKS	
	<a href="#">Summary</a>	
#2	Y 4.R 31/3:110-22	2007
<a href="#">Details</a>	<b>Gone with the wind : impacts of wind turbines on birds and bats : oversight hearing before the Subcommittee on Fisheries, Wildlife, and Oceans of the Committee on Natural Resources, U.S. House of Representatives, One Hundred Tenth Congress, first session, Tuesday, May 1, 2007</b> United States. Congress. House. Committee on Natural Resources. Subcommittee on Fisheries, Wildlife, and Oceans. <a href="http://purl.access.gpo.gov/GPO/LPS88300">http://purl.access.gpo.gov/GPO/LPS88300</a>	
<a href="#">Save</a>	2 copies or volumes available at Alderman	
#3	M1630.18 .S69 2000	2000
<a href="#">Details</a>	<b>The standards real book : a collection of some of the greatest songs of the 20th century, created by musicians, for musicians</b> C version. Sher, Chuck. publisher editor.	
<a href="#">Save</a>	1 copy available at Music copy available in Music Stacks	
#4	PS3563 .A2555 R48 2007	2007 [Cover]

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[History: America and United States](#)  
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[United States Law](#)  
[Visual Arts \(General\)](#)  
[Europe](#)  
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← Records 1-10 of 1584 →

## Gone with the wind

Broad formats: Book

Library: Darden business school

Call number: Un

Location: Da-turner

Format: Turner-col

Source: Library catalog

Language: English

Author: Mitchell, margaret

Title: Gone with the wind

## Applied Filters:

- "gone with the wind" - [remove](#)

[Remove all filters.](#)

## SOURCE

[Digital Library \(1343\)](#)

[Library Catalog \(241\)](#)

## FORMAT

[Archives \(1\)](#)

[Audio CD \(65\)](#)

[Book \(97\)](#)

[Cassette \(1\)](#)

[Document \(5\)](#)

[Internet \(5\)](#)

[LP \(28\)](#)

[Microform \(1\)](#)

[Musical Score \(27\)](#)

[TURNER-COL \(2\)](#)

[More...](#)

## Gone with the wind

Broad formats: Book

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Location: Da-turner

Format: Turner-col

Source: Library catalog

Language: English

Author: Mitchell, margaret

Title: Gone with the wind



# Technologies

- Solr
- Ruby on Rails
- Powerful, flexible, readable indexer mappings
- ... and that's it!



# Solr

- <http://lucene.apache.org/solr>
- Lucene-base search server
- Fast, scalable, open source
- Features: facets, spell checking, more-like-this, replication, caching, admin. interface, ...



# Library 2.0

- Library 2.0 Initiatives in Academic Libraries
- Chapter 5  
“Adapting an Open Source, Scholarly Web 2.0 System for Findability in Library Collections”
  - by Bethany Nowviskie, Elizabeth Sadler, Erik Hatcher

