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Using RDA to Catalog ETDs

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USING RDA WHEN CATALOGING ETDs

OETDA, March 7, 2014

Joan Milligan, University of Dayton



TODAY:

OhioLINK standard

13 nitty gritty points

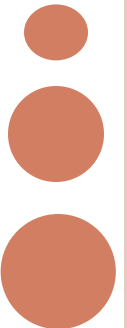
Some RDA, some OCLC, some PCC

Relationship designators

Corporate name authorities

Author name authorities

Are MARC records still in use?



OHIOLINK STANDARDS

- https://platinum.ohiolink.edu/dms/catstandards/ETD_RDA.pdf

Task force:

- Sevim McCutcheon, Kent State
- Rocki Strader, Ohio State University
- Me



THE OHIOLINK STANDARD

Standards for Cataloging Electronic Theses and Dissertations – Remote Electronic Version (non-Reproduction) Database Management and Standards Committee – February 13, 2014 (revised)

III / MARC Field	PCC Core Requirements ¹	Notes	OhioLINK Member Requirement ²
Display Code		Display locally and at central = “-”	M
Leader & Directory	Code as national level	LDR / 06 – MAT TYPE = “a” LDR / 07 – Bib Lvl = m LDR / 18 – Desc = j	M
001		OCLC Generated Control #	M
006		MARC Standards call for coding for the electronic aspects of electronic resources. Byte 00 = “m” Byte 06 = “o” (Required by OCLC) Byte 09 = “d” – Document	M
007	M	MARC Standards call for coding for the electronic aspects of electronic resources 007 / 0 = “c” 007 / 1 = “e” (all other bytes assumed to be properly coded)	M
008	M	008 / 07-10 (Date1) – mapped from Date field 008 / 15-17 (Place of publication): “ohu” [Two-letter ISO-639 codes are recommended for use by ETD-MS. Some translation will be needed.] 008 / 23 (Form): “o” [Form of item = electronic] 008 / 35-37 (Language): “eng”	M
035		OhioLINK ETD Center Number – “KENT1122136806”	O
040	M	Cataloging Source Sb eng Se rda	M
042	M	Authentication Code	MA
100	Sa Se M	Author (RDA 9.2) 100 1# Sa last-name, first-name, Se author.	M
245	Sa M All other subfields MA	Title (RDA 2.3) Data-mapping from OhioLINK element must account for initial articles.	Sa M All other subfields MA
246	MA	Alternative title (RDA 2.3)	MA

This standard is intended to describe ETDs that are *born digital*, i.e., non-reproductions. If the ETD is a reproduction, catalog it as such. Please note also that this is a baseline standard, and that libraries are encouraged to add additional fields to this standard as locally needed.

¹Follow *BIBCO Core Standards* for the respective formats contained herein. M=Mandatory MA=Mandatory if Applicable O=Optional

²OhioLINK Requirements: M=Mandatory MA=Mandatory if Applicable O=Optional

○ https://www.ohiolink.edu/content/technical_services_staff_information



OhioLINK

Ohio's Academic Library Consortium
An OH-TECH Consortium Member

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Technical Services Staff Information



Database Management and Standards Committee (DMSC): Maintains quality standards for the Central Catalog. Creates metadata policies and procedures for all members to follow. Organizes cooperative projects to catalog consortial resources. Consists of cataloging librarians.

Quick links:

- [OhioLINK Institution Codes](#)
- [Contact List](#) for reporting catalog errors

What technical services librarians should know about OhioLINK:

[About the OhioLINK Central Catalog](#)

[Matching algorithm](#)

[Catalog Error Reporting Procedures and Form](#)

[Cataloging Electronic Resources](#)

[Local Holdings in Central](#)

[Tables of Contents](#) and Other Catalog Enrichment

About the [Serials Catalog](#) for EJC holdings

[OhioLINK Finding Aid Repository](#)

[Collection Development](#) documents

OhioLINK Libraries Staff Information (OStaff)

- ▶ [Circulation and ILL Staff Information](#)
- [Inclement Weather Policy](#)
- ▼ [Lead Implementors, Systems and IT Staff](#)
 - ▶ [Adapting for Patrons with Disabilities](#)
 - ▶ [Archive: Lead Implementors meeting minutes](#)
- [Campus Firewalls: OhioLINK Requirements](#)
- [Content CAFE Problem Reports](#)
- [Reporting IP Problems](#)
- ▶ [OhioLINK Shibboleth Resources](#)
- [Virtual Patron Cleanup](#)
- [OhioLINK Connection Information](#)
- ▶ [OhioLINK Policy Handbook](#)
- [OhioLINK Videoconference \(Web-cast\) Viewing Instructions](#)
- [Regional Depositories Home Page](#)
- ▶ **[Technical Services Staff Information](#)**
- ▶ [OhioLINK Electronic Resource Management Task Force](#)
- ▶ [Reference and User Services \(USC\)](#)

Quick Links

- [OhioLINK Library Catalog](#)
- [Research Databases](#)
- [Electronic Journal Center \(EJC\)](#)



AN ETD IS ... ?

WORK

MANIFESTATION

EXPRESSION

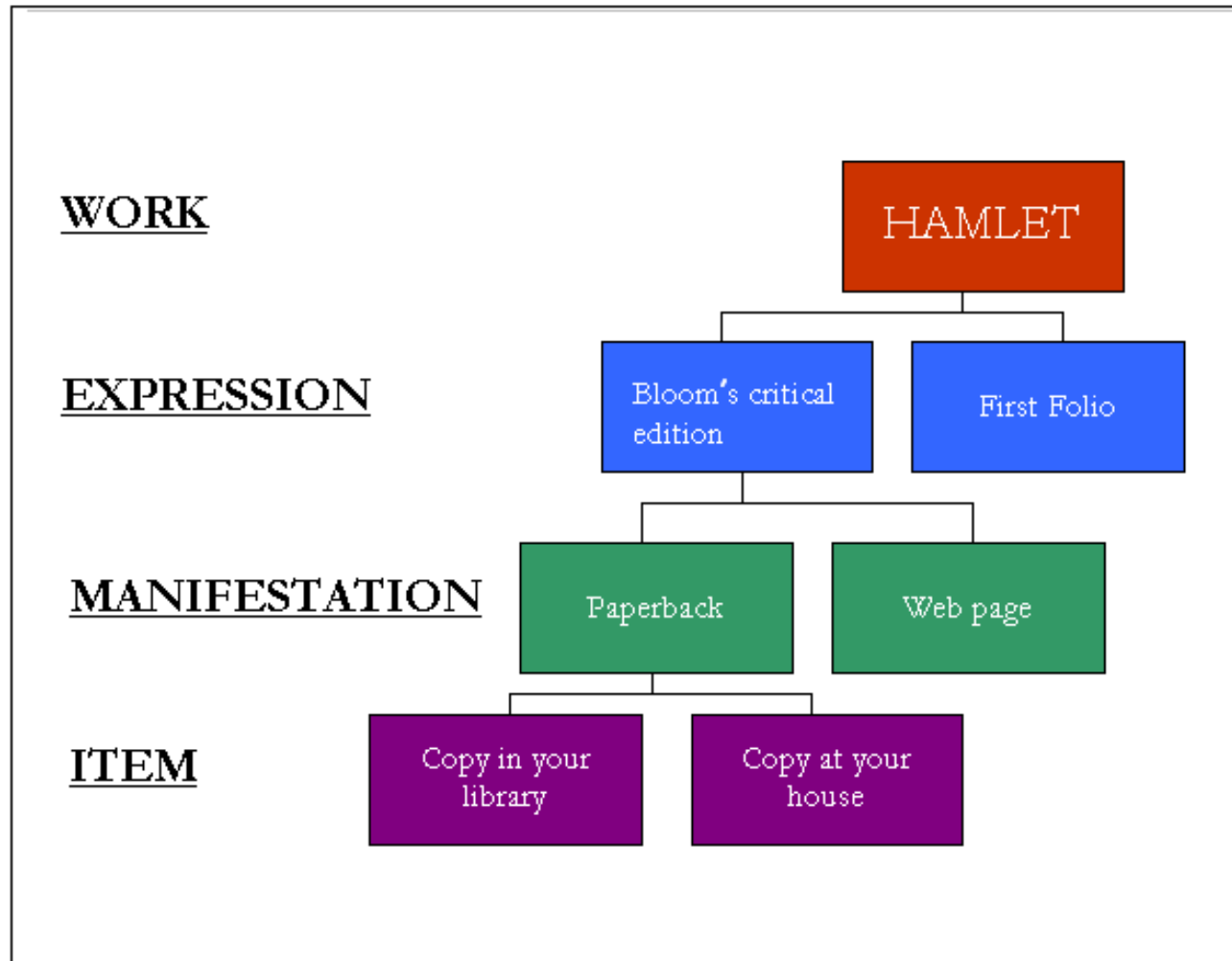
ITEM



○ From

<http://www.mlaforum.org/volumeV/issue1/>

article FIGURE 2: FRBR ENTITY LEVELS



NOT LIKELY



**ALUMINUM CORE-SHELL NANOPARTICLES:
SYNTHESIS, PROPERTIES,
AND APPLICATIONS**

**The
MUSICAL**



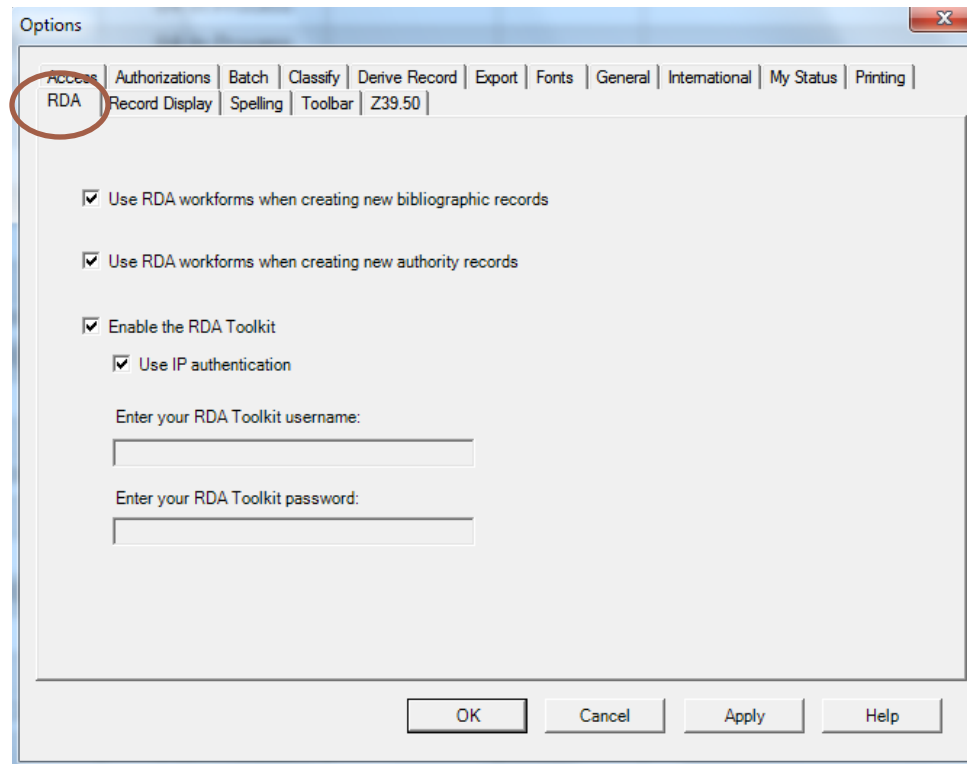
A decorative graphic on the left side of the slide. It features several vertical stripes in shades of light brown and beige. Overlaid on these stripes are several solid brown circles of varying sizes, arranged in a cluster that tapers towards the bottom left.

LOOKING AT RDA IN MARC

The nitty gritty

OCLC CONNEXION SETTINGS

- Tools menu → Options



DESC AND 040: SIGNIFYING RDA

- LDR / 18 – Desc = i
- 040 \$b eng \$e rda

MARC 006

- Byte 00 = “**m**”
- Byte 06 = “**o**” (Required by OCLC)
- Byte 09 = “**d**” – Document
- ~~○ Byte 11 – “s” Government Publication *for state institutions only.*~~

PHYSICAL DESCRIPTION FIXED FIELD, MARC 007

- \$b **r** – remote
- \$e **n** – dimensions not applicable

MARC 245

- No more GMDs (Example: ~~\$h [electronic resource]~~)

RDA

Replaced (sort of) by 3XX

MARC 245, STATEMENT OF RESPONSIBILITY

By

Renee Lynn Beach, B.S.

and in individuals with Parkinson's disease / ‡c by Renee Lynn Beach, B.S.

- Transcribe name as it appears.

RDA 2.4

MARC 264

- 2nd Indicators:
 - 0 Production
 - 1 Publication
 - 2 Distribution
 - 3 Manufacture
 - 4 Copyright

264 _ X \$a Place of : \$b name of, \$c date of

MARC 264

- **Publish** date, 2nd indicator 1
- 264 _1 [Kent, Ohio] : \$b Kent State University,
\$c 2013.
- 264 _1 Dayton, Ohio : \$b University of Dayton,
\$c 2013.

RDA 2.8

Publication statements include statements relating to the
publication, release, or issuing of a resource.

Consider all online resources to be published.

A SIDE NOTE

- Ctry = ohu
- Unpublished: Ctry=xx



MARC 264

○ **Copyright** date, 2nd indicator 4

- Use in addition to other 264s if your ETDs include copyright date
- 264 _4 \$c ©2013
(no space between symbol and date; no period)

MARC 300

○ Old

- 1 online resource (xi, 55 p.) : \$b ill. (some col.)

○ New

- 1 online resource (xi, 55 pages) : \$b illustrations (some color).

THE 3XX'S

- 336 Content type
- 337 Media type
- 338 Carrier type
- Carnegie Library of Pittsburgh's 3XX table:
<http://sdrv.ms/ZZybGk>

RDA -- Content, Media, and Carrier Type Values for Various Types of Resources

Type of resource	336 (rdacontent)		337 (rdamedia)		338 (rdacarrier)	
	\$a	\$b	\$a	\$b	\$a	\$b
Atlas	cartographic image	cri	unmediated	n	volume	nc
Book (regular or large print)	text	txt	unmediated	n	volume	nc
Book (braille)	tactile text	txt	unmediated	n	volume	nc
Book on audiocassette	spoken word	spw	audio	s	audiocassette	ss
Book on CD	spoken word	spw	audio	s	audio disc	sd
Book on MP3	spoken word	spw	audio	s	audio disc	sd
CD-ROM with text (e.g., PDF files)	text	txt	computer	c	computer disc	cd
Digital image	still image	sti	computer	c	online resource	cr
Downloadable audio book (e-audio)	spoken word	spw	computer	c	online resource	cr

336 CONTENT TYPE

○ Examples

- 336 __ \$a text \$b txt \$2 rdacontent
- 336 __ \$a still image \$b sti \$2 rdacontent
- ~~336 __ \$a performed music \$b prm \$2 rdacontent~~
- 336 __ \$a two-dimensional moving image \$b tdi \$2
rdacontent

RDA 6.9

Reflecting the fundamental form of communication in which the content is expressed and the human sense through which it is intended to be perceived.

337 MEDIA TYPE

- 337 __ \$a computer \$b c \$2 rdamedia

RDA 3.2

Reflects the general type of intermediation device required to view, play, run, etc., the content of a resource.

338 CARRIER TYPE

- 338 __ \$a online resource \$b cr \$2 rdamedia

RDA 3.3

Reflects the format of the storage medium and housing of a carrier in combination with the type of intermediation device required to view, play, run, etc., the content of a resource.

RESTRICTIONS ON ACCESS NOTE, MARC 506

- “Available online via OhioLINK’s ETD Center; full text release delayed at the author’s request until [year month day].”

DIGITAL FILE CHARACTERISTICS

- *Provider-neutral Guidelines* say to use 538 only for digital preservation projects (Hathi Trust, etc.)
 - “For all other records make a Mode of Access note only if the resource is accessed by means other than the World Wide Web.” (2011 revision, page 9)

DIGITAL FILE CHARACTERISTICS

○ Old fields

- 538 __ Mode of access: World Wide Web.
- 538 __ Available online via the OhioLINK ETD Center.
- 538 __ System requirements: World Wide Web browser and PDF viewer.
- 516 __ 236.70 KB.

DIGITAL FILE CHARACTERISTICS

No more marc 538 and 516

- ~~• 538 __ Mode of access: World Wide Web.~~
- 538 __ Available online via the OhioLINK ETD Center. → Now a 500 note.
- 538 __ System requirements: World Wide Web browser and PDF viewer. → See MARC 347.
- 516 __ 236.7 KB. → See MARC 347.

DIGITAL FILE CHARACTERISTICS, MARC 347

- 347 __ text file \$b PDF \$c 554.74 KB #2 rda
 - a = file type
 - b = encoding format (formerly in MARC 538)
 - c = file size (formerly in MARC 516)

RDA 3.19

Digital file characteristics include file type, encoding format, file size, resolution, regional encoding, encoded bitrate, data type, object type, number of objects, density, sectoring, etc.

SOURCE OF TITLE PROPER, MARC 588

- Formerly a 500 note
- 588 _ _ Title from first page of PDF file.
- 588 _ _ Title from PDF title page (viewed on ...)

RDA 2.20

DISSERTATION NOTE, MARC 502

- Old

- 502 __ Thesis (M.A. in English) – Kent State University.

- New format

- 502 __ \$b M.A. \$c Kent State University \$d 2013

LC-PCC PS for RDA 7.9.1.3

Without AACR2-style punctuation between the sub-elements

The left side of the slide features a decorative design consisting of several vertical stripes in shades of light brown and tan. Overlaid on these stripes are several circles of varying sizes in a darker brown color, arranged in a cluster that tapers towards the bottom.

MORE!

RDA THINGS

OCLC THINGS

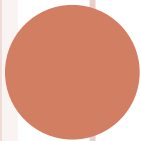
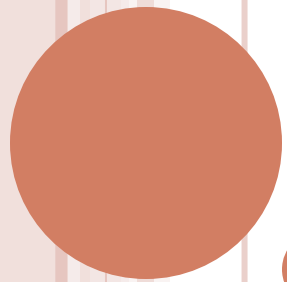
PCC THINGS

RELATIONSHIP DESIGNATORS

CORPORATE NAME AUTHORITIES

AUTHOR NAME AUTHORITIES

SUBJECT ACCESS POINTS



RELATIONSHIP DESIGNATORS

\$e

RELATIONSHIP DESIGNATOR– PCC GUIDELINES

- **Include a relationship designator for all creators, whether they are coded MARC 1XX or MARC 7XX.** ... Add a relationship designator even if the MARC field definition already implies a relationship.

From PCC Home page → Post RDA Implementation Guidelines and Standards



RELATIONSHIP DESIGNATOR– PCC GUIDELINES

- It is recommended that PCC catalogers use relationship designators from the RDA appendices. If the term needed is not there, use the [PCC relationship designator proposal form](#) to propose a new term or request a revision of an existing term.
- If a PCC cataloger wishes to use a term from a different registered vocabulary (e.g., MARC relator terms, RBMS relationship designators, etc.), he/she may do so.
- Do not use a MARC relator code in \$4 in addition to a MARC relator term.



RELATIONSHIP DESIGNATORS

Dapore, Benjamin, \$d 1988- \$e author.



RELATIONSHIP DESIGNATORS

Correct relationship designator is \$e degree supervisor.

Local field

- 790 1_ Wilkens, Robert J., \$e thesis advisor.

RDA Appendix I, I.2.2

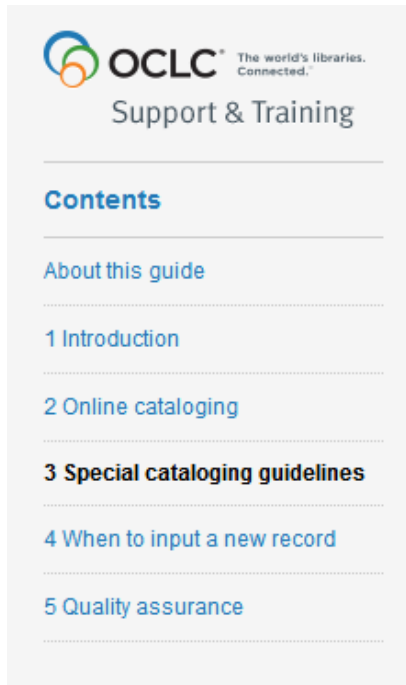
Other persons associated with a work



OTHER RULES

○ OCLC Support and Training guide

<http://www.oclc.org/bibformats/en/specialcataloging.html#CHDIHHJH>



OTHER RULES

○ OCLC:

- Omit added entries for advisors, the institution, made-up thesis collection or series titles in fields 246, 700–740 and 8xx. Use the 79x fields for these kinds of added entries.



RELATIONSHIP DESIGNATORS

- Ashman: Sample of 32 ETDs:
 - Nearly two-thirds of libraries do not contain advisors, but a 500 note instead.
 - Local 79X field would not visible in OCLC
- If you want to use 500 note; example from *Maxwell's*:
 - \$a Chairperson, Graduate Committee: Mary Murphy.



RELATIONSHIP DESIGNATORS

- 791 2_ University of Dayton. \$b Dept. of Chemical Engineering, \$e degree granting institution.

RDA Appendix I, I.2.2,
Other persons, families or
corporate bodies associated with a work



RELATIONSHIP DESIGNATORS

- Relationship designators should only be used to relate authority records in the LC/NACO Authority File.

PCC guidelines



RELATIONSHIP DESIGNATORS, PCC GUIDELINES

- When constructing authorized access points for works and expressions, do not include a relationship designator as part of the access point.
 - 700 1_ Joyce, James, \$d 1882-1941. \$t Dubliners
- NOT
- 700 1_ Joyce, James, \$d 1882-1941, ~~\$e author.~~ \$t Dubliners



DISPLAY ISSUES

790 1 _ Bennett, Jana Marguerite,
\$d 1975- \$e thesis advisor

```

MARC Leader #####nam 22##### 4500
o 001 870870263
y 003 OCoLC
y 005 20140221133559.0
y 006 m o d
y 007 cr un||||||
y 008 140220s2013 ohu obm 000 0 eng d
y 035 (OCoLC)870870263
y 035 dayton1375116095
y 040 DAY|beng|erda|cDAY
y 049 DAYY
y 099 Thesis
a 100 1 Wood, Maureen Maeve. |d1989- |eauthor.
t 245 1 2 A dialogue on feminist Biblical hermeneutics : |bElisabeth Schüssler Fiorenza, Musa Dube, and John Paul II on Mark 5 and John 4 / |cby Maureen Maeve Wood.
p 264 1 Dayton, Ohio : |bUniversity of Dayton, |c2013.
r 300 1 online resource (v. 89 pages).
r 336 text|bdt|2rdacontent
r 337 computer|bc|2rdamedia
r 338 online resource|bcr|2rdacarrier
r 347 text file|bPDF|c648.1 KB|2rda
n 500 Available online via OhioLINK's ETD Center.
n 502 |bM.A.|cUniversity of Dayton|d2013
n 504 Includes bibliographical references (pages 87-89).
n 520 3 The study of feminist biblical hermeneutics is very diverse; it can mean different things to different people. As a result, there is much disagreement concerning how to read Scriptures from a feminist perspective in the correct way. For a proper study of the Scriptures from a feminist point of view, one must converse with other forms of feminist hermeneutics. Therefore, using excerpts from Mark 5 and John 4, this thesis will create a dialogue between the theologians Elisabeth Schüssler Fiorenza, Musa Dube, and John Paul II. In doing so, this thesis will attempt to show a more comprehensive feminist biblical hermeneutic using theological perspectives from Catholic Western feminism, Protestant Two-Thirds World feminism, and the Magisterium.
n 588 Title from PDF title page (viewed February 13, 2014).
d 630 0 0 Bible|xFeminist criticism.
d 630 0 0 Bible|pMark V|xHermeneutics.
d 630 0 0 Bible|pJohn IV|xHermeneutics.
d 600 1 0 Schüssler Fiorenza, Elisabeth. |d1938- |xCriticism and interpretation.
d 600 1 0 Dube Shomanah, Musa W. |d1964- |xCriticism and interpretation.
d 600 0 0 John Paul II. |cPope. |d1920-2005 |xCriticism and interpretation.
d 650 0 Feminism|xReligious aspects|xCatholic Church.
d 653 African studies; Bible; Biblical studies; gender studies; religion; theology; womens studies; feminist theology; Mark 5; John 4; Mulieris Dignitatem; postcolonialism; Biblical hermeneutics; Catholic feminism; postcolonial feminist theology; feminist Biblical hermeneutics.
b 710 2 OhioLINK Electronic Theses and Dissertations Center.
y 790 1 Bennett, Jana Marguerite. |d1975- |ethesis advisor.
y 791 2 University of Dayton. |bDept. of Religion. |edeegree granting institution.
y 858 4 0 |uhttp://rave.ohiolink.edu/etdc/view?acc_num=dayton1375116095|zResource online.
y 910 ETD
  
```



DISPLAY ISSUES

- We did not specify which subfields we wanted indexed, so we have only \$a

Index:	a AUTHOR ▼	bennett, jana
#	AUTHOR	
1	Bennett, Jana (Jana Marguerite), 1975- --> See Bennett, Jana Marguerite, 1975-	
2	Bennett, Jana Marguerite,	
3	Bennett, Jana Marguerite, 1975- --> Authority Record	
4	Bennett, Jana Marguerite, 1975-	

DISPLAY ISSUES

- 791 2_ has \$a and \$b

University of Dayton. Dept. of Military Science --> See University of Dayton. Army ROTC

University of Dayton. Dept. of Music.

University of Dayton. Dept. of Philosophy --> See University of Dayton. Department of Philosophy

University of Dayton. Dept. of Psychology

University of Dayton. Dept. of Public Safety

University of Dayton. Dept. of Religious Studies

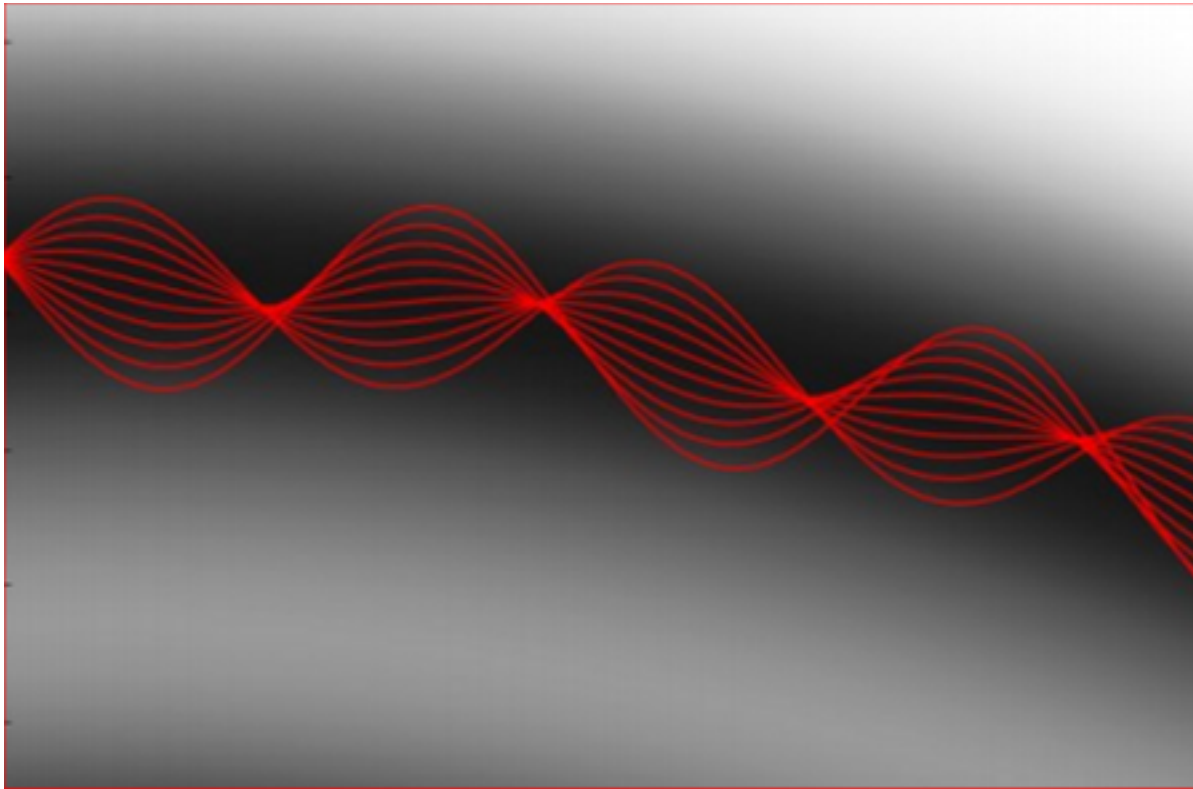
University of Dayton. Dept. of School Psychology.

University of Dayton. Dept. of Teacher Education

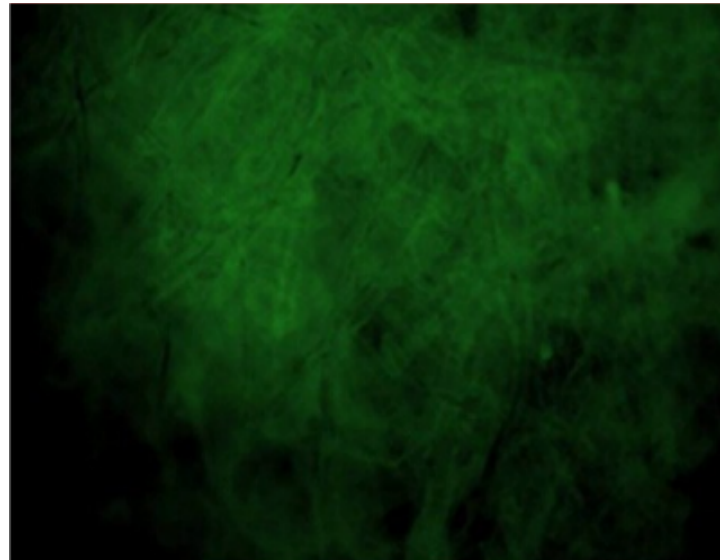
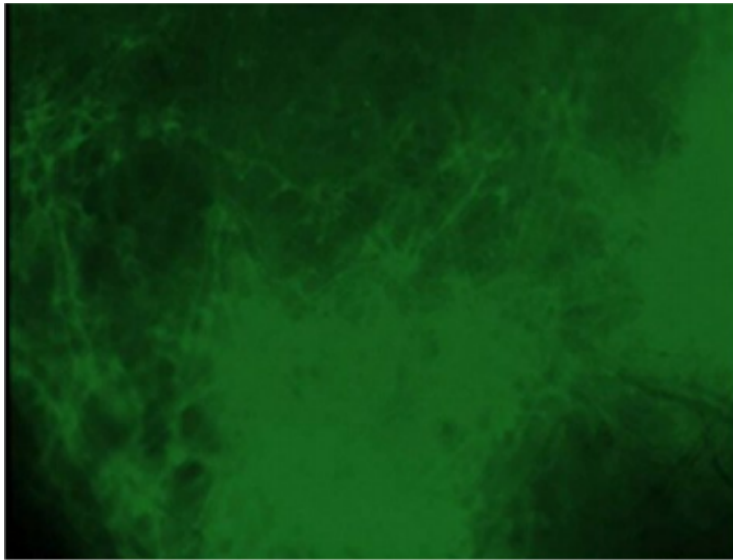


A BREAK

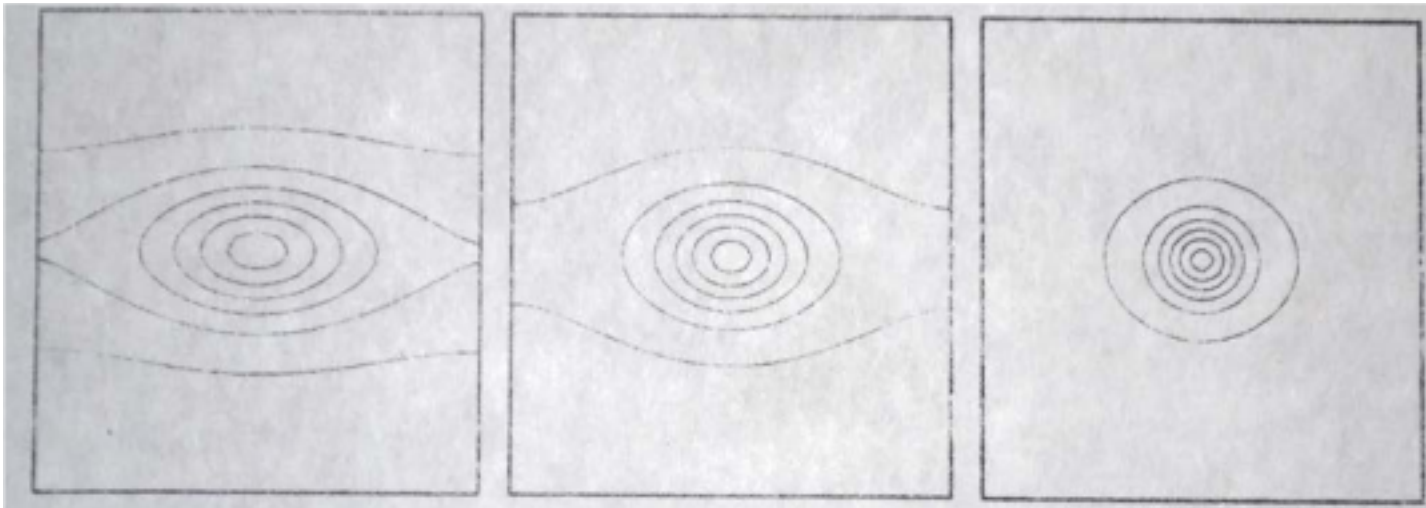
- Analysis of joint effects of refraction and turbulence on laser beam propagation in the atmosphere by David A. Bricker



Development of a *Drosophila melanogaster* model system for nanoparticle toxicity assessment by Ryan T. Posagi



- Wing/Wall Aerodynamic Interactions in Free Flying, Maneuvering MAVs by Matthew Kenneth Geyman



A decorative graphic on the left side of the slide. It features several vertical stripes in shades of light brown and beige. Overlaid on these stripes are several circles of varying sizes in a reddish-brown color. The largest circle is positioned near the top left, with several smaller circles of different sizes scattered below and to its right.

CORPORATE NAME AUTHORITIES

Dept. vs. Department

CORP NAME PREFERRED FORM DEPT. VS. DEPARTMENT

- RDA : Do not abbreviate.
- RDA11.1.2.3, General Guidelines on Recording Names of Corporate Bodies, directs you to:
- RDA Appendix B2

Use only the following abbreviations:

- a) those that are integral parts of the name (e.g., “Wm.”)
- b) certain names of larger places (e.g., Ala.) See Appendix B11.



CORP NAME PREFERRED FORM DEPT. VS. DEPARTMENT

- RDA 11.2.1.2 Sources of Information
 - Take the name or names of the corporate body from **any** source.



CORP NAME PREFERRED FORM: DEPT. VS. DEPARTMENT

Not on title page.

Thesis

Submitted to

The College of Arts and Sciences of the
UNIVERSITY OF DAYTON

In Partial Fulfillment of the Requirements for

The Degree of

Master of Arts in Theological Studies



CORP NAME PREFERRED FORM: DEPT. VS. DEPARTMENT

- Take the name from the door?



CORP NAME PREFERRED FORM: DEPT. VS. DEPARTMENT

- 11.2.2.3 Choosing the preferred name:
 - When choosing a preferred name for the corporate body, choose the name by which the corporate body is **commonly** identified.

- ☐ University of Dayton. Dept. of Civil Engineering.
- ☐ University of Dayton. Dept. of Clinical Psychology
- ☐ University of Dayton. Dept. of Communication



CORP NAME PREFERRED FORM: DEPT. VS. DEPARTMENT

And anyway, it's a local field.

791 2_ University of Dayton. \$b Dept. of Chemical
Engineering, \$e degree granting institution.

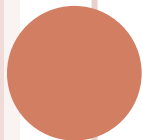
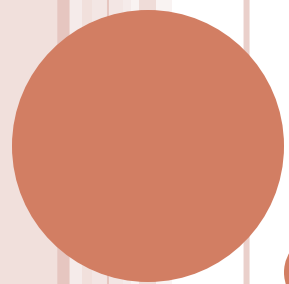


CORP NAME PREFERRED FORM

DEPT. VS. DEPARTMENT

- OCLC globally changed the 5 authority records with “University of Dayton. \$b Dept. of”
- Now we are going to make NACO records for all of our departments





AUTHOR AUTHORITIES

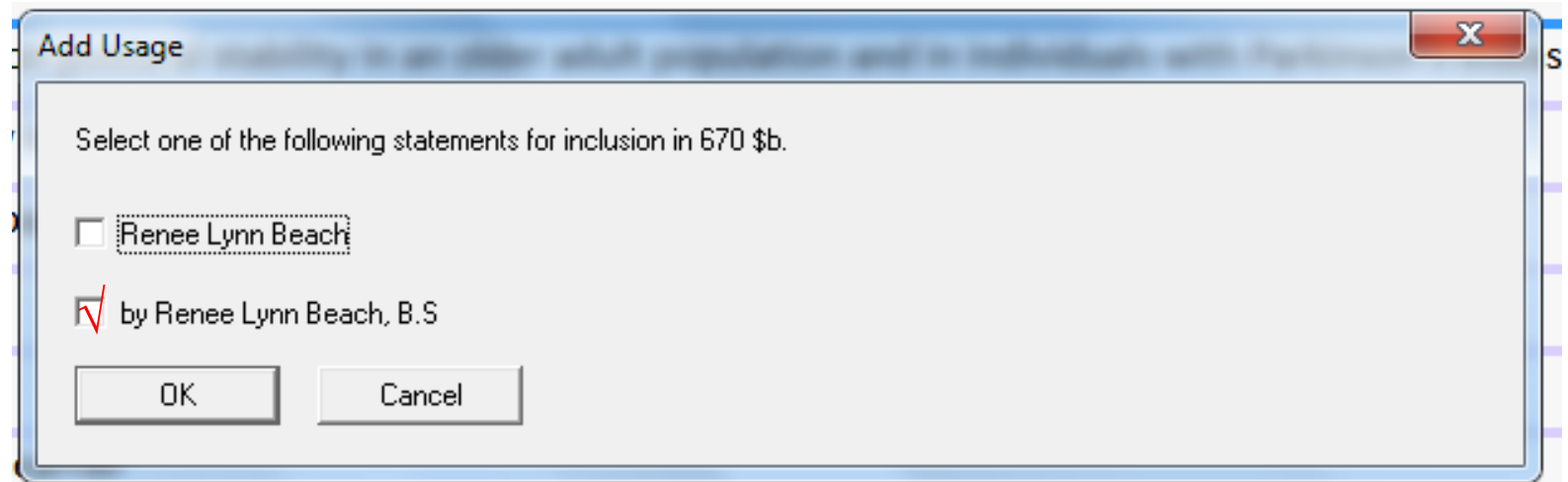
AUTHOR AUTHORITIES

Rec stat	n	Entered	20140213	Replaced	
Type	z	Upd status	<input type="text"/>	Enc lvl	n
Roman	<input type="text"/>	Ref status	<input type="text"/>	Mod rec	<input type="text"/>
Govt agn	<input type="text"/>	Auth status	<input type="text"/>	Subj	a
Series	n	Auth/ref	<input type="text"/>	Geo subd	n
Ser num	n	Name	<input type="text"/>	Subdiv tp	n
				Source	<input type="text"/>
				Name use	a
				Subj use	a
				Ser use	b
				Rules	z

040		ODaU ‡b eng ‡e rda ‡c ODaU
046		‡f 19870211
100	1	Wang, Xifan, ‡d 1987-
372		Materials engineering ‡2 lcsh
375		male
670		Wang, Xifan. Ideal process design approach for hot metal working, 2013: ‡b title page (by Xifan Wang)
670		University of Dayton alumni records, September 30, 2013 : ‡b (Wang, Xifan ; born February 11, 1987)

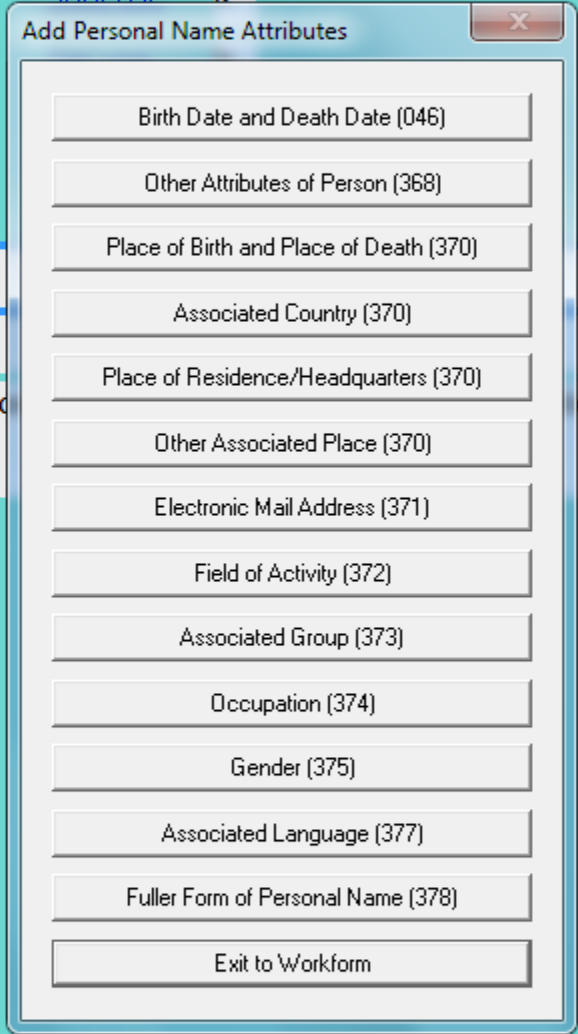
AUTHOR AUTHORITIES

- GenerateAuthorityRecord macro



AUTHOR AUTHORITIES

- Workform
 - Birth date
 - Field of activity
 - Gender



The screenshot shows a dialog box titled "Add Personal Name Attributes" with a close button (X) in the top right corner. The dialog contains a list of attributes, each in a button-like format with its name and a number in parentheses. The attributes are listed vertically, and the last one, "Exit to Workform", is highlighted with a blue border.

Attribute Name	Number
Birth Date and Death Date	(046)
Other Attributes of Person	(368)
Place of Birth and Place of Death	(370)
Associated Country	(370)
Place of Residence/Headquarters	(370)
Other Associated Place	(370)
Electronic Mail Address	(371)
Field of Activity	(372)
Associated Group	(373)
Occupation	(374)
Gender	(375)
Associated Language	(377)
Fuller Form of Personal Name	(378)
Exit to Workform	

AUTHOR AUTHORITIES

- MARC 372, Field of activity
- Terms from LCSH
 - 372 _ _ Electrical engineering \$2 lcsh
 - 372 _ _ Literature \$a Criticism \$2 lcsh



AUTHOR AUTHORITIES

- MARC 375, Gender

Gender (375)

Gender (\$a)

female
male
not known

tion (\$v) - Use only when the information is not cited in 670

Uniform Resource Identifier (\$u) - Use only when \$v is present

Do not enter diacritics here. Add them to the resulting fields in the workform instead.

OK Cancel

- \$s – Start date



AUTHOR AUTHORITIES

- Alhujaili, Fahad Abdulrahman
- Du, Feng
- Mutyam, Venkateshwar
- Narayanan, Barath Narayanan
- Patel, Pranav Ramesh
- Shamsudin, Shamsul Anuar
- Djaneye-Boundjou, Ouboti Seydou Eyanaa
- Zhou, Jing



AUTHOR AUTHORITIES

- Li, Bingjue ♀
- Li, Bo ♂
- Li, Li ?
- Li, Lin ?



AUTHOR AUTHORITIES

040			ODaU ‡b eng ‡e rda ‡c ODaU
046			‡f 19880609
100	1		Cui, Chen, ‡d 1988-
372			Electrical engineering ‡2 lcsh
375			female
670			Cui, Chen. Adaptive weighted local textural features for illumination, expression and occlusion invaria
670			University of Dayton alumni records, September 30, 2013 : ‡b (Cui, Chen; born June 9, 1988)

- Constant data for second 670





SUBJECT ACCESS

Controlled vocabularies or no?

SUBJECT ACCESS

- Varies according to institutional policy:
 - Kent State and UDayton use “I” because we add LCSH
 - OSU does not, “K”

Ashman: Sample of 32 ETDs:

23 had LCSH

1 had MESH

8 no headings



SUBJECT ACCESS

○ 650s and 653

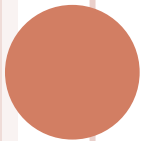
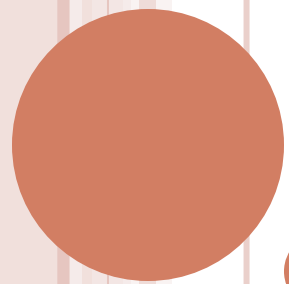
650 0 [Gasoline](#) ‡x [Anti-knock and anti-knock mixtures.](#)

650 0 [Drone aircraft](#) ‡x [Fuel consumption.](#)

650 0 [Spark ignition engines](#) ‡x [Fuel systems.](#)

653 ☐ ☐ Aerospace engineering; automotive engineering; mechanical engineering; engine knock; low-octane fuel; unit; internal combustion engine.





WHITHER MARC?

NOT A LOT

- “The first observation to share about RDA bibliographic records for ETDs is that there were **not a lot** to examine.”—Allen B. Ashman, Special Collections Librarian, University of Louisville
- Ashman, A. B. (2013). A Brief Look at how RDA is being used to Catalog Electronic Theses and Dissertations. *Kentucky Libraries*, 77(3), 16-23.



TEXAS A&M

The screenshot shows the Texas A&M University Libraries OAK Trust repository interface. At the top, the header includes the Texas A&M logo, 'UNIVERSITY LIBRARIES', and 'OAK Trust'. Below the header, a breadcrumb trail reads: 'Repository → ... → Office of Graduate Studies → Electronic Theses, Dissertations, and... → View Item'. A 'Login' link is in the top right corner. A search bar is located below the breadcrumb, with the text 'Search Repository' and a 'Search' button. The left sidebar contains navigation links: 'Browse', 'Entire Repository' (with sub-links for Communities & Collections, Issue Date, Authors, Titles, Subjects, and Department), 'This Collection' (with sub-links for Issue Date, Authors, Titles, Subjects, and Department), 'My Account', 'Statistics', and 'Help and Documentation' (with a 'Share' button and social media icons). The main content area displays the title 'Vocal Timing in the Bat' with a link to 'Show full item record'. Below the title, the author is listed as 'Jarvis, Jenna N'. The abstract text reads: 'Bats are social organisms that live in large colonies. However, reliance upon echolocation in order to hunt and navigate, means that bats also face pressing acoustic challenges due to overlap with surrounding noise. Bats also possess fine control over the properties of their echolocation pulses. This study's goal was to determine how bats are able to effectively function in large groups despite the interfering noise generated by conspecifics. Mexican free-tailed bats (*Tadarida brasiliensis*) were exposed to both artificially generated interfering noises and noise generated by conspecifics, and the temporal characteristics of their resulting echolocation calls were analyzed. In addition, bats were given injections of dopaminergic and serotonergic drugs, in an effort to determine which monoamine(s) were capable of altering vocal motor timing and to determine which regions of the brain play a role in regulating the timing of echolocation. I hypothesized that bats would alter the timing of emission of their own echolocation pulses in response to noise, and that drugs affecting the 5HT2A receptor would shift the timing of emission of echolocation pulses. The first part of this dissertation describes a novel temporal alteration behavior that occurs in response to artificially generated intermittent noise, and is characterized by a period of pulse suppression followed by a gradual return to normal call rates. Bats alter the timing of emission of their echolocation pulses to avoid overlap with noise and call within silent periods. The second part of this study investigated whether dopamine or serotonin, or both, could alter the timing of this vocal behavior. The results of this study were inconclusive, although I found some evidence that 5HT2A agonists can produce faster responses. Finally, I show that echolocating bats suppress pulse emission in nearby conspecifics. The resulting decrease in call rate leads to an overall increase in information throughput. This study also demonstrates that bats respond to continuous noise by increasing their call rate, and that the switch between the responses to intermittent noise and continuous noise occurs at a duty cycle of 50% or higher. Overall, this dissertation establishes that bats alter the timing of emission of their echolocation calls in response to noise, and that these mechanisms may be regulated by serotonergic mechanisms.' The subject is listed as 'Echolocation Timing Sonar Bats'.

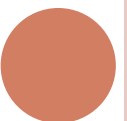
Vocal Timing in the Bat

[Show simple item record](#)

dc.contributor.advisor	Smotherman, Michael
dc.creator	Jarvis, Jenna N
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dc.date.available	2013-10-03T15:06:01Z
dc.date.created	2013-05
dc.date.issued	2013-05-01
dc.date.submitted	May 2013
dc.identifier.uri	http://hdl.handle.net/1969.1/149528

dc.description.abstract

Bats are social organisms that live in large colonies. However, reliance upon echolocation in order to hunt and navigate, means that bats also face pressing acoustic challenges due to overlap with surrounding noise. Bats also possess fine control over the properties of their echolocation pulses. This study's goal was to determine how bats are able to effectively function in large groups despite the interfering noise generated by conspecifics. Mexican free-tailed bats (*Tadarida brasiliensis*) were exposed to both artificially generated interfering noises and noise generated by conspecifics, and the temporal characteristics of their resulting echolocation calls were analyzed. In addition, bats were given injections of dopaminergic and serotonergic drugs, in an effort to determine which monoamine(s) were capable of altering vocal motor timing and to determine which regions of the brain play a role in regulating the timing of echolocation. I hypothesized that bats would alter the timing of emission of their own echolocation pulses in response to noise, and that drugs affecting the 5HT2A receptor would shift the timing of emission of echolocation pulses. The first part of this dissertation describes a novel temporal alteration behavior that occurs in response to artificially generated intermittent noise, and is characterized by a period of pulse suppression followed by a gradual return to normal call rates. Bats alter the timing of emission of their echolocation pulses to avoid overlap with noise and call within silent periods. The second part of this study investigated whether dopamine or serotonin, or

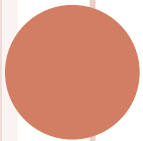
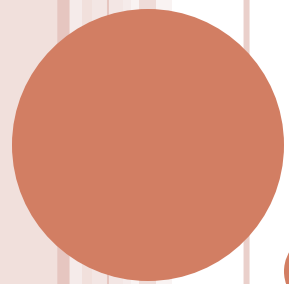


throughput. This study also demonstrates that bats respond to continuous noise by increasing their call rate, and that the switch between the responses to intermittent noise and continuous noise occurs at a duty cycle of 50% or higher. Overall, this dissertation establishes that bats alter the timing of emission of their echolocation calls in response to noise, and that these mechanisms may be regulated by serotonergic mechanisms.

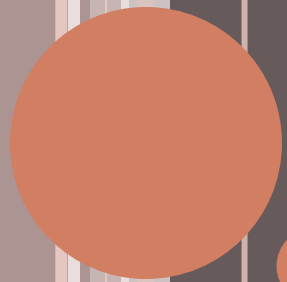
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dc.contributor.committeeMember	Zoran, Mark J
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Files in this item

Files	Size	Format	View
JARVIS-DISSERTATION-2013.pdf	1.106Mb	PDF	View/Open
VocalTimingintheBat.docx	1.420Mb	Unknown	View/Open



QUESTIONS?



THANK YOU!