

# Creating a Bibliography and Taxonomy within HubZero:

## A HABRI Central Case Study

**Gretchen Stephens & Jane Kinkus Yacilla**  
*Purdue University Libraries*

# Research Partnership

- Collaboration [2009]:
  - College of Veterinary Medicine (PVM)
  - Purdue University Libraries, and
  - Purdue University Press
- Project Investigators:
  - Dr. Alan Beck [HAB Expert]
  - Charles Watkinson [PU Press]
  - Christopher Charles [Project Manager]
  - Gretchen Stephens [Bibliographer]
  - Jane Yacilla [Taxonomy]
  - Mark Newton, Deborah Maron, & now Marcy Wilhelm-South [Digital Repository]
  - Felicia Trembath [Graduate Assistant]
- Grant funding [2010]:

Human Animal Bond Research Initiative Foundation (HABRI)

# HABRI Central Structure

- Project design:
  - Bibliography
  - Repository
  - Online Publishing Venue
  - Digital Community Hub
- Two advisory boards to insure scholarly independence:
  - Management Advisory Board:
    - Individuals involved in academia, medicine, industry, and other areas of related to human- animal interaction
    - Discuss issues that affect the operation and sustainability of HABRI Central.
  - Editorial Board:
    - Experts and professionals from various fields related to human-animal interaction
    - Advise on the scope of the site's content and oversee the review process for any original publications.

# Developing the Bibliography

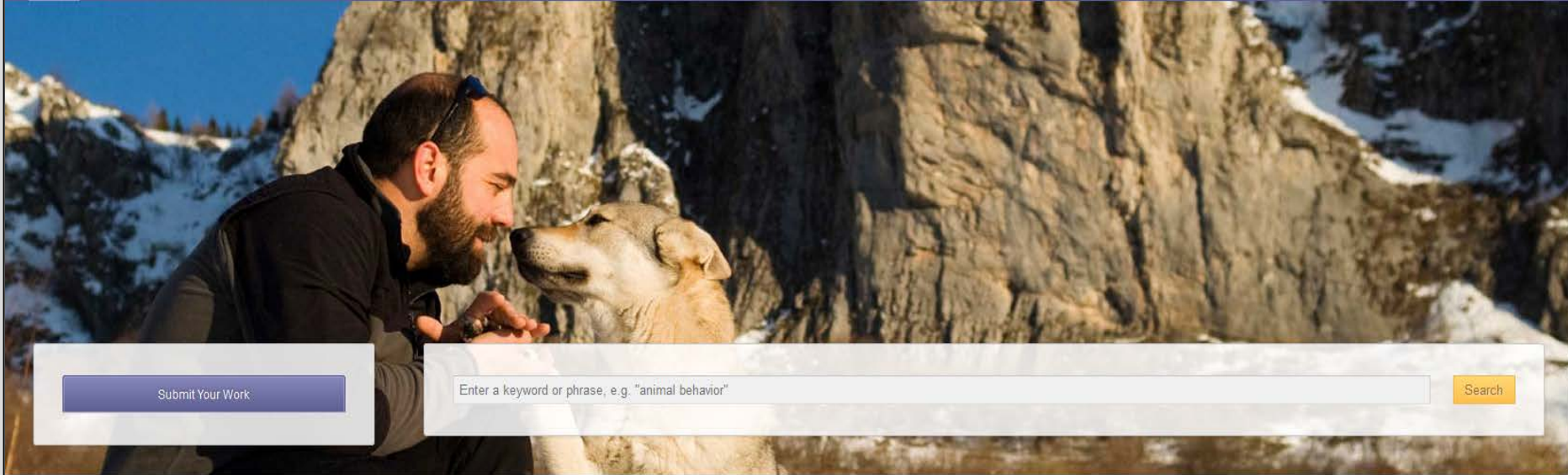
- Agree upon HAB journals to index comprehensively
- Identify key topics within scope of the project
- Create “value added” features
  - Add peer-viewed and evidenced-based tags to articles
  - Index book sections in key HAB books
- Add citations for Editorial Board’s publications
- Find earlier bibliographies in the field for inclusion
- Select databases to search, prioritize retrieval, & save results to EndNote X5 for final edit before uploading.

# Databases Being Covered

AnthroSource ComAbstracts  
Web of Science  
Sociological Abstracts Historical Abstracts  
Family and Society Studies Worldwide Philosophers Index  
**CAB Abstracts** **PubMed**  
LISA BIOSIS AgeLine Child Development Adolescent Studies  
ERIC AGRICOLA LISTA OCLC **PsycINFO** Anthropology Plus  
Abstracts in Social Gerontology Ecology Abstracts  
Dissertations and Theses  
CINAHL

# HABRI Central Bibliography

- 16,700+ citations identified to date [1909-2013]
- 14+ databases searched
- 1,800+ journals with one or more relevant articles
- 1,300+ peer-reviewed journals with one or more relevant articles
- 1,980 book chapters and encyclopedia sections indexed
- 550 theses and dissertations identified [1915-2013]



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SEP	Category
10	Conference



pet loss

Section: Citations x

Search

Section

- Citations 1644
- + Book 81
- + Book Section 169
- + Conference Paper 4
- + Conference Proceedings 15
- + Electronic Book Section 2
- Government Document 1
- + Journal Article 1372

Tags

- peer-reviewed 1060
- Pets and companion animals 476
- Dogs 431 Mammals 413
- Human-animal bond 385 Pets 280
- Animal behavior 257
- Animal welfare 254 Cats 250
- Domestic animals 206 Primates 202
- flotsam 195
- Developed countries 181
- United States of America 173
- OECD countries 156
- Animal rights 149 Humans 147
- Females 144 Age 134 Child 123
- Behavior 122 Males 118

Results 1-40 of about 1644

Pet loss: the owner in mourning. Pet loss hotlines and counselling, a new role for a veterinarian? [Italian] 2 BibTex EndNote

Citations - Journal Article 2008 Tralli, M.; Campione, F.; Bacci, M. L.  
Animal rights Animal welfare Attitude Cats Communication Counseling Death Dogs Emotions Euthanasia Human-animal relationships Information and Documentation [CC300]  
Mammals mercy killing Pets and companion animals Practice and service Professions Relationships Social psychology and social anthropology Veterinarians Veterinary medicine  
veterinary practice Veterinary services veterinary surgeons vets

Related results

Euthanasia, pet loss, and client grief: pet loss: veterinarians, clergy, and owners working together to resolve grief BibTex EndNote

Citations - Book Section - Euthanasia of the companion animal: the impact on pet owners, veterinarians, and society 1988 Netting, F. Ellen; Wilson, Cindy C.; New, John C., Jr.  
Euthanasia Object attachment Pets Death Psychological aspects.

Related results

Euthanasia, pet loss, and client grief: pet loss and separation: a multifactorial problem BibTex EndNote

Citations - Book Section - Euthanasia of the companion animal: the impact on pet owners, veterinarians, and society 1988 Baker, Edward  
Euthanasia Object attachment Pets Death Psychological aspects.

Related results

Classroom Pets Series: Pet Frog; Pet Hamster; Pet Guinea Pig; Pet Fish BibTex EndNote

Citations - Journal Article 2003 Beren, Susan  
Book NELSON Robin NONFICTION peer-reviewed PET Fish (Book) PET Frog (Book) PET Guinea Pig (Book) PET Hamsters (Book) Pets

Related results



Results 1-40 of about 1644

**Pet loss: the owner in mourning. Pet loss hotlines and counselling, a new role for a veterinarian?** [Italian] | 2 | BibTex | EndNote

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- Human-animal relationships
- Information and Documentation [CC300]
- Mammals
- mercy killing
- Pets and companion animals
- Practice and service
- Professions
- Relationships
- Social psychology and social anthropology
- Veterinarians
- Veterinary medicine
- veterinary practice
- Veterinary services
- veterinary surgeons
- vets

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[Related results](#)

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[Related results](#)

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Citations – Journal Article 2003 Beren, Susan

- Book
- NELSON Robin
- NONFICTION
- peer-reviewed
- PET Fish (Book)
- PET Frog (Book)
- PET Guinea Pig (Book)
- PET Hamsters (Book)
- Pets

[Related results](#)

**Children and their pets: exploring the relationships between pet ownership, pet attitudes, attachment to pets and empathy** | BibTex | EndNote

Citations – Journal Article 2010 Williams, J. M.; Muldoon, J.; Lawrence, A.

- Adolescents
- analysis
- Attitude
- Child
- Child Development
- Coefficient Alpha
- Comparative
- Descriptive Statistics
- Females
- Funding source
- Human-animal bond
- Humans
- Males
- Pets
- Psychological Tests
- Questionnaires
- rural areas
- Schools Elementary
- Schools Secondary
- T-Tests
- United Kingdom

[Related results](#)

**Bereavement, pet loss and deceased body presentation: pet euthanasia and helping owners deal with grief** | BibTex | EndNote

Citations – Conference Proceedings – Proceedings of the 29th Annual Conference on Avian Medicine and Surgery, Mid-Atlantic States Association of Avian Veterinarians, Williamsburg, Virginia, USA, 27-29 April 2008. 1-6.

2007 Brown, C.

*This article describes the role of the veterinarian in helping pet owners make decisions on euthanasia and on coping with the loss of their pets ...*

- Animal welfare
- Attitude
- Death
- Emotions
- Euthanasia
- Pets and companion animals
- Relationships
- Social psychology and social anthropology
- Veterinarians

[Related results](#)

### Section

- Citations 1644
- + Book 81
- + Book Section 169
- + Conference Paper 4
- + Conference Proceedings 15
- + Electronic Book Section 2
- Government Document 1
- + Journal Article 1372

### Tags

- Anthrozoology 98
- Human-animal relationships 98
- Attitude 90 Euthanasia 80
- Animal health 77 Death 77
- Europe 75 Pet therapy 74
- Object attachment 73
- Questionnaires 70
- Social psychology and social anthropology 70
- Adult 68
- Commonwealth of Nations 68
- North America 64 Health 62
- Carnivores 61 Ownership 61
- Interspecies interactions 59
- Pets Social aspects Congresses. 58
- Non-communicable diseases and injuries of animals 57
- Bereavement 56 Middle Aged 55

### Timeframe

- 2012 30
- 2011 90
- 2010 93
- 2009 112
- 2008 110
- 2007 94
- 2006 63
- 2005 70
- 2004 70

# Psychological sequelae of pet loss following Hurricane Katrina

By: Hunt, M., Al-Awadi, H., Johnson, M.



Hunt, M., Al-Awadi, H., Johnson, M., (2008), "Psychological sequelae of pet loss following Hurricane Katrina", *Anthrozoos*, 21, 2. pg: 109-121 <http://dx.doi.org/10.2752/175303708X305765>

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## About

Type [Journal Article](#)

Journal [Anthrozoos](#)

Year [2008](#)

Volume [21](#)

Issue/Number [2](#)

Pages [109-121](#)

Author Address [Department of Psychology, 3720 Walnut Street, University of Pennsylvania, Philadelphia, PA 19104-6241, USA.mhunt@psych.upenn.edu](#)

ISBN/ISSN [0892-7936](#)

Tags [Pets and companion animals](#) [Non-communicable human diseases and injuries](#) [Depression](#) [Human behavior](#) [hurricanes](#) [natural disasters](#)  
[Pets and companion animals](#) [psychology](#) [Stress](#) [Cats](#) [Dogs](#) [United States of America](#) [Mammals](#) [Dogs](#) [Primates](#) [North America](#)  
[United States of America](#) [Developed countries](#) [OECD countries](#) [Animal behavior](#) [Human behavior](#) [Pets and companion animals](#) [psychological factors](#)  
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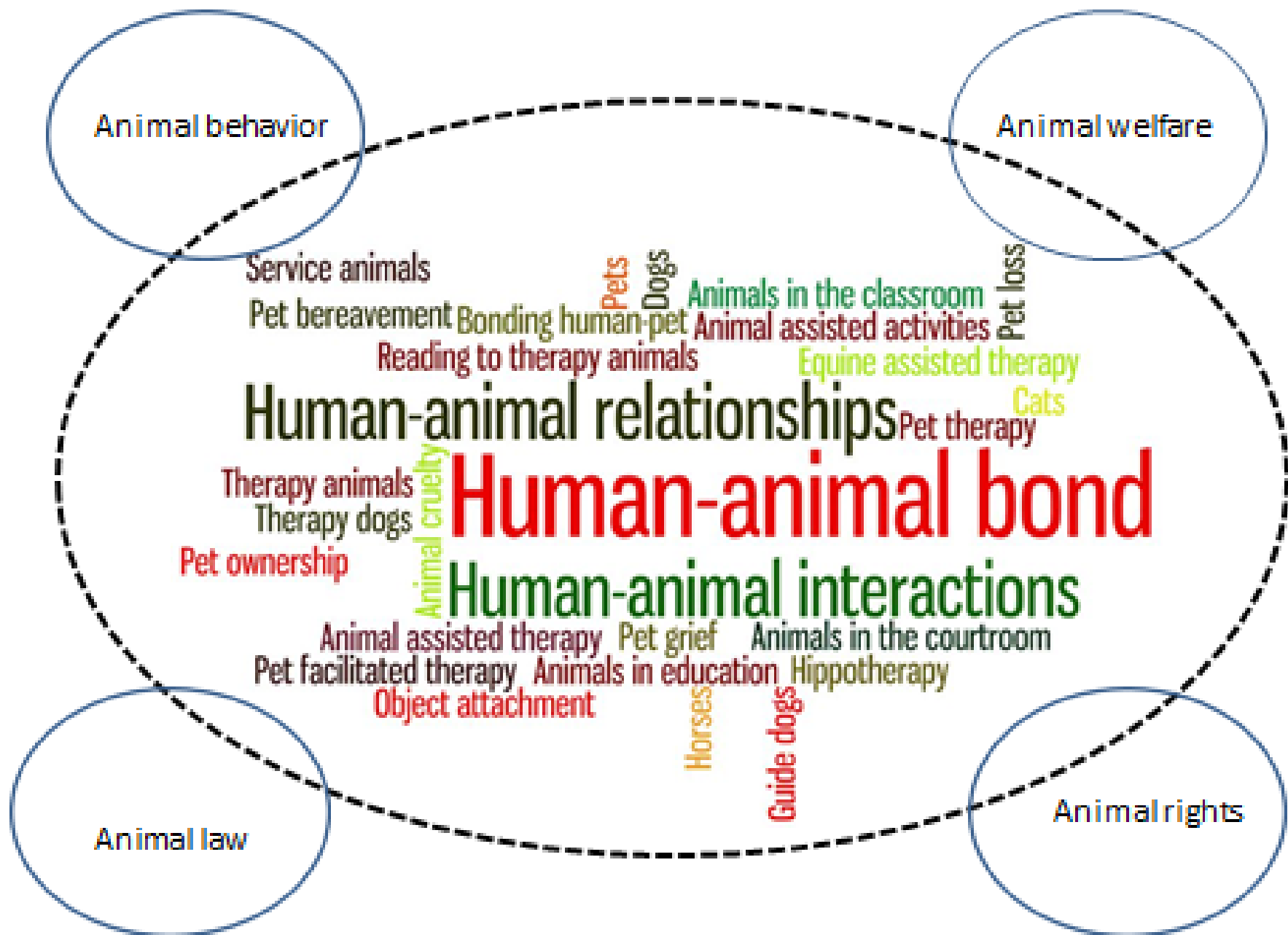
Other Sources [Deep Dyve - rent this](#)

# HABRI Central Repository

- Develop repository for published and unpublished material relevant to human-animal bond via the basic resources feature of HubZero
  - Identify open access material for inclusion
  - Contact publishers to obtain permission to include selected HAB resources
  - Standardize metadata fields within bibliography and repository and edit EndNote X5 export component appropriately
- Pursue merger of the bibliography & repository within HABRI Central

# Creating a Taxonomy

- Define the scope of a very INTERDISCIPLINARY field of research
- Work with a growing collection of citations in bibliography
- Look to subject experts, editorial board for input



Animal behavior

Animal welfare

Animal law

Animal rights

Service animals

Pet bereavement

Therapy animals

Therapy dogs

Pet ownership

Animal assisted therapy

Pet facilitated therapy

Object attachment

Bonding human-pet

Reading to therapy animals

Animal cruelty

Human-animal interactions

Pets

Dogs

Animals in the classroom

Animal assisted activities

Equine assisted therapy

Pet therapy

Cats

Horses

Guide dogs

Pet grief

Animals in the courtroom

Hippotherapy

Pet loss

## Add Tags

Select focus area: **REQUIRED**

- Animal roles
- Animal welfare
- Animal-assisted interventions
  - Animal-assisted activities
  - Animal-assisted education
  - Animal-assisted therapies
- Animals in culture
- Pet ownership

Select human demographics:

- Gender
- Stage of life

Select species:

- Arthropods
- Birds
- Fish
- Frogs
- Mammals
- Reptiles

Assigned Tags:

If a specific tag does not already exist, simply type it in the field above. This will create and as



## Assigned Tags:

**animal**

**Animal**

**animal** abuse

**Animal** activism

**Animal** Aggressive Behavior

**animal** anatomy

**Animal** and in vitro Models for Pharmaceuticals

**animal** attacks

**Animal** behavior

**Animal** Behavior Abstracts

**Animal** biotechnology -- Moral and ethical aspects.

**Animal** bites

**animal** breed

**Animal** breeding

**Animal** Captivity

**Animal** Care

**animal** clinical sciences

**animal** cloning

**animal** cognition

**animal** collecting

# Some Development Work

- Requested that the “alias” function become *prospective* in addition to *retrospective*--i.e., for the tag relationship to persist.
- When this was done, tag merging became synonymous with tag aliasing, and both functions are persistent.

## DETAILS

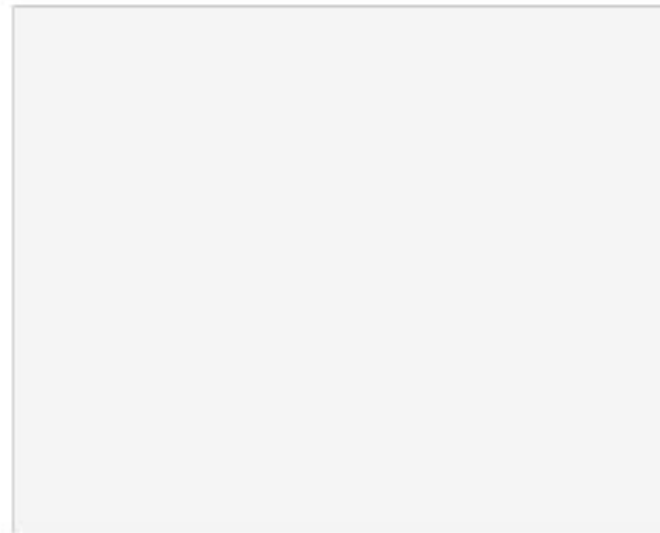
**Admin:**



**Tag:**

Deviant behavior

**Description:**



Image

Pagebreak

Readmore

**Aliases:**

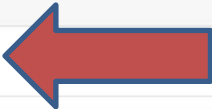
deviantbehaviour



deviant beh|

**Deviant behavior**

**DETAILS**

**Admin:**  

**Tag:**

**Description:**

**Aliases:**

Vertebrata Chordata, [Chnoubis, [elephant]/Reptilia Vertebrata, [Equidae]/Primates  
Mammalia Vertebrata Chordata, [Eristicophis macmahonii] [Coluber elegantissimus],  
[grass]/Plantae, [herb]/Monocotyledones Angiospermae, [human]/Reptilia  
Vertebrata, [human]/Reptilia Vertebrata Chordata Animalia, [human]/Vertebrata,  
[L105] Animal Ecology And Behavior [L300] Animal Production [L100], [L105] Animal  
Production [L100], [L105] Veterinary Science [L800] Animal Ecology And Behavior  
[L300] Animal Production [L100], [onocentaur]/Perissodactyla, [Ophidia, [Panthera  
leo, [plant]/Reptilia Vertebrata Chordata Animalia, [reptile]/Reptilia Vertebrata  
Chordata, [scorpion]/Primates, [Viperidae] [Ophidia] [giant python, 'infancy diarrhea'

**Normalization**

To create the normalized tag, all spaces, punctuation, and non-alphanumeric characters are stripped. "N.Y.", "NY", and "ny" will all have a normalized tag of "ny".

**Aliases**

Enter a comma-separated list of tags you wish this tag to be substituted for. For example: If you enter "h2O, aqua" for the tag "water", any time someone enters "h2O" or "aqua" it will result in a tag of "water".

# Additional Considerations

- Aliasing permanently breaks the link between the original tag from the tagged record. Is it worth it to have developers make aliasing undoable?
- Is there room for both a controlled vocabulary (taxonomy, ontology) and free-form end-user tagging?

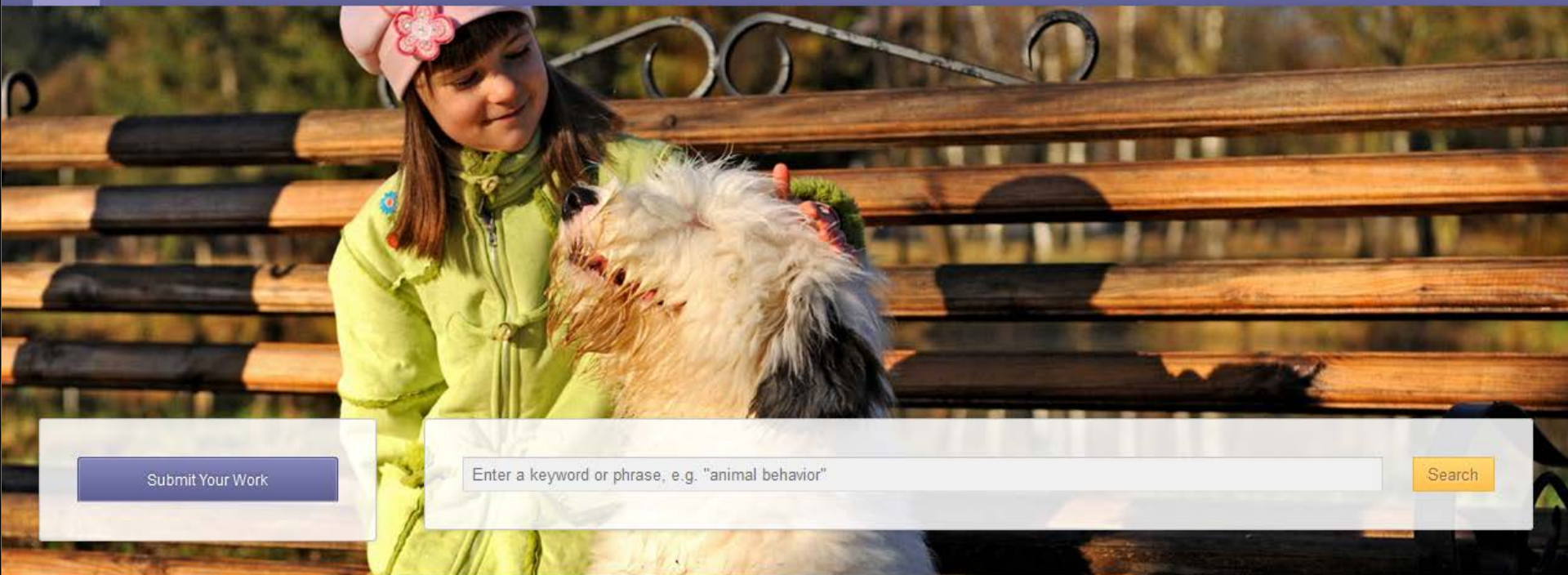
# Challenges

- Reconcile a controlled vocabulary (taxonomy or ontology) with an unregulated tag system
- HUBzero was not developed to make use of a taxonomy
- Work toward harmoniously resolving these two issues



# HABRI Central: A Work In Progress

- Continued HABRI funding is anticipated for the next two years.
- Bibliography to add HAB citations from liberal arts journals while keeping scientific literature current
- Exploring further funding to model the creation of interdisciplinary taxonomies



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Enter a keyword or phrase, e.g. "animal behavior"

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# Questions?