

## ROBERT R. PACE

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## EDUCATION

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**Masters of Science**, Biological Sciences, Eastern Kentucky University, Richmond, May 2015

Thesis: The Status of the Genus *Taxus* in Kentucky

Committee Chair: Dr. Ronald L. Jones

**Bachelors of Science**, Biology (Botany) Cum Laude, minor in Chemistry, Biological Sciences, Eastern Kentucky University, Richmond, May 2011

**Associate of Arts**, Studio Art, Southeast Community College, Cumberland Kentucky, December 2003

**Associate of Science**, Natural Science, Southeast Community College, Cumberland Kentucky, December 1994

## PROFESSIONAL POSITIONS

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**FULL TIME LECTURER** – Eastern Kentucky University, 01/19 – 06/19

**INTERRIM HERBARIUM CURATOR – Ronald L. Jones Herbarium (EKY), Ralph Thompson Herbarium (BEREA)** - Eastern Kentucky University, 01/19 – current

Curated the collections, provided outreach to various state and federal organizations, assisted in workshops, scheduled and supervised undergraduate and graduate student workers. Maintained equipment and supplies along with budgeting.

**HERBARIUM ASSISTANT - Ronald L. Jones Herbarium (EKY)**, Eastern Kentucky University, 6/09 – 12/10

Assisted in the day-to-day operation of the herbarium. Daily tasks included preparing specimens, mounting, data entry, and filing.

**CURATORIAL ASSISTANT - Ronald L. Jones Herbarium (EKY)**, Eastern Kentucky University, 1/10 – current

Developed two MySQL database packages (IKnew & iDarwinCore) using PHP/HTML interfaces for our collection's data along with authoring various bash/batch scripts, excel worksheets, and workflows.

Provided instruction and supervision for student workers in the digitization of the main collection, and functioned as a liaison between the herbarium and IT department.

- Setup and populated the Ronald L. Jones Herbarium (EKY) and The Ralph L. Thompson Herbarium (BEREA) on SernePortal
- Setup and populated ECU's zoologic collections (fish, mollusks, herpetofauna) on online Symbiota portals
- Managed transcription of specimen data utilizing citizen science through Biospex, Zooniverse, and NotesFromNature
- Contracted with KSNPC to perform data entry into biotics software and mounting of KSNPC specimens to be deposited in the Ronald L Jones Herbarium
- Managed various websites associated with the university's digitization efforts
- Provided educational tours of ECU's natural history collections
- Managed incoming/outgoing specimen loans
- Generated labels for bulk specimen gifts to herbaria
- Provided instruction to faculty on administration of their natural history collection's Symbiota

portals

- Setup and maintained herbarium imaging station's hardware and software. Image processed 106,000 specimen images for EKY's two local herbaria (EKY, BERE)
- Assisted West Virginia Wesleyan's Rossbach Herbarium (WVW) in setting up digitization equipment
- Provided quality control for all data generated in the digitization process
- Managed all digital assets across local, network file servers, and remote server locations

**IKnew Database Package:** IKnew allows user to query database, add new entries, edit entries, sort entries, add images to records, check for duplicates, print labels, generate distribution maps for species, and import and export results to CSV files.

**iDarwinCore Database Package:** iDarwinCore makes it easy to detect issues in a Symbiota portal's data. It effectively detects issues such as, duplicate id's, duplicate image links, multiple images associated with a single occurrence record, and invalid barcodes.

## SKILLS

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- MySQL, Apache, PHP, HTML, CSS, JavaScript
- Batch/Bash Scripting, VBA
- MS Access, MS Word, MS Excel, Adobe Photoshop, Adobe LightRoom, ArcGIS, Symbiota
- Windows (7/8/10), Linux, Mac OS X

## TEACHING EXPERIENCE

**60+ SECTIONS TOTAL**

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**Instructor,** BIO 100: Introduction to Biology, Eastern Kentucky University, Summer 2018, Spring 2019

**Instructor,** BIO 102: Biology Inquiry Biology for Teachers, Eastern Kentucky University, Fall 2017, Spring 2018, Fall 2018

**Instructor,** BIO 495: Evolutionary Application & Theory, Eastern Kentucky University, Spring 2018, Fall 2018

**Laboratory Instructor,** BIO 111: Cell & Molecular Biology, Eastern Kentucky University, Spring 2018, Spring 2019

**Laboratory Instructor,** BIO 378: Human Physiology Lab, Eastern Kentucky University, Spring 2016

**Instructor,** BIO 316: Ecology, Eastern Kentucky University, Spring 2019

**Laboratory Instructor,** BIO 318: Botany, Eastern Kentucky University, Fall 2015, Fall 2018

**Laboratory Instructor,** BIO 319: Zoology, Eastern Kentucky University, Fall 2014

**Laboratory Instructor,** BIO 100: Introduction to Biology, Eastern Kentucky University, Fall 2011-Spring 2014, Spring 2015

**Teaching Assistant,** BIO 102: Inquiry Biology for Teachers, Eastern Kentucky University, Spring 2012-Spring 2015

## **PUBLICATIONS AND SOFTWARE**

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**The Status of the Genus *Taxus* in Kentucky.** Pace, Robert Reed. Eastern Kentucky University, ProQuest Dissertations Publishing, 2015. 1587237

**IKnew Database Software.** Pace, Robert Reed. Eastern Kentucky University, 2013.

<http://herbariumdb.eku.edu>

**IDarwinCore Database Software.** Pace, Robert Reed. Eastern Kentucky University, 2016.

<http://www.github.com/QuePID/idarwincore/>

## **PRESENTATIONS**

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**The Ronald L. Jones and Ralph L. Thompson Herbaria at Eastern Kentucky University.** Nicholas Koenig et al. May 3, 2019. Department of Biological Sciences Honors Day

**The Ronald L. Jones and Ralph L. Thompson Herbaria at Eastern Kentucky University.** Nicholas Koenig et al. April 12, 2019. University Presentations Showcase

**The Ronald L. Jones and Ralph L. Thompson Herbaria at Eastern Kentucky University.** Nicholas Koenig et al. April 4, 2019. Annual Association of Southern Biologists Meeting, Nashville, TN

**Update on the new EKU Herbarium website, database, and imaging project.** Robert R. Pace. 2013. Annual Kentucky Academy of Sciences meeting, Bowling Green, KY.

**IKnew Database Software Package.** Robert R. Pace. 2012. Annual Association of Southern Biologists Meeting, Athens, GA.

## **ACADEMIC SERVICES**

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**Member,** Biological Organization of Graduates Students (2012-2015)

**Member,** Phi Sigma Society, Eastern Kentucky University (2010-2012)

**President,** Biology Club, Eastern Kentucky University (2010-2011)

## **PROFESSIONAL AFFILIATIONS**

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Kentucky Academy of Science (KAS)

Southeastern Regional Network of Expertise in Collections (SERNEC)

Invertebrate Electronic Database (InvertEbase)

Consortium of Small Vertebrate Collections (CSVColl)

Symbiota Collection of Arthropod Network (SCAN)

Association of Southern Biologists (ASB)

Society of Herbarium Curators (SHC)

Integrated Digitized Biocollections(iDigBio)

Worldwide Engagement for Digitization of Biological Collections (WeDigBio)

## **HONORS**

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**Recipient:** Golden Apple, Eastern Kentucky University, 2013-2014