

# Russell B.B. Doughty

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## FIELDS OF INTEREST

- Biogeochemical nutrient cycling and modeling
- Remote sensing of forest ecosystems
- Climate change
- Phenology
- Sustainability in natural resources
- Environmental education and outreach
- Natural resource policy and legislation
- Incentive-based and behavioral economics, game theory
- Complex-adaptive and socio-ecological systems

## EDUCATION

**Master of Natural Resources** – *Dept. of Forest Ecosystems and Society* – Oregon State University (2014)

- 3.97 GPA

**Graduate Certificate in Sustainable Natural Resources** – *Dept. of Forest Ecosystems and Society* – Oregon State University (2012)

- 3.94 GPA

**Bachelor of Arts in Economics** – Grinnell College, Iowa (2005)

- Ranked #1 Overall College in the US by Newsweek in 2004

**High School Diploma** – Talihina, OK – 2001

- 4.0 GPA

## PROFESSIONAL EXPERIENCE

**Coordinator:** [Oklahomans for Responsible Water Policy](#) and ORWP-NOW – 2013 to Current

- Sole employee for 501c(3) and 501c(4) non-profit organizations
- Correspond with and coordinate between local citizens, tribal nations, the state legislature, natural resource professionals, state and federal research agencies, other NGOs, the media, and Oklahoma's universities to provide stakeholder input for policy, scientific research, and public education
- Developed and implemented youth education curriculum in accordance with state standards on watersheds and the water cycle; services 10 schools in SE Oklahoma in grades 3-6.
- Developed and implemented adult outreach program; membership totals over 16,000
- Responsibilities include research, journalism, press releases, website authorship, map making, data management, social media campaigns, coordination of board activities and public meetings, financial accounting, budgeting, purchasing, coordinating activities of ORWP's lobbyist and AmeriCorps VISTA volunteer, grant writing, and public speaking at events, on radio and television

**Climate Change & Phenology Intern** for Sequoia-Kings Canyon National Parks – Summer 2013

- Recipient of the [George Wright Climate Change Initiative](#) from the University of Washington
- Develop and field test web-based framework for phenology education
- Assist in developing phenological lesson plans for 5<sup>th</sup>, 6<sup>th</sup>, and 7<sup>th</sup> grade students
- Collaborate with educators, biologists, resource managers, researchers, and IT professionals at the local and national level to build Sequoia-Kings Canyon National Park's phenology website at [www.nps.gov/features/seki](http://www.nps.gov/features/seki)

**Temporary Research Assistant:** Oregon State University – 2012 to 2013

- Collect soil samples for Dr. David Perry's Long Term Ecological Research (LTER) projects at HJ Andrews Experimental Forest
- Help collect data on and release flying squirrels, important in the diet of Northern Spotted Owls

**Educational Consultant:** Mobile Education Store in Salem, OR – 2012 to 2013

- Technical advisor and editor for [Pines to Vines](#), a digital textbook on forest ecosystems
- Digital book is for grades 1 thru 8
- Available on Apple operating systems for mobile devices
- Winner of multiple awards by industry review

**4<sup>th</sup> Generation Forest Land Manager** in Buffalo Valley, Oklahoma – 2009 to Current

- 120 acres of species-rich timberland managed for old-growth since the 1940s
- Implementation of self-authored long-term [sustainable management plan](#) certifiable by the American Tree Farm System (ATFS) and Oklahoma's Forest Stewardship Project
- Family forest has some of the oldest pine in the valley, and a state champion hickory

**Wilderness Trails Crew Leader** for [US Forest Service](#): Chelan, Washington – 2011

- Safely lead trail crew in accomplishment of project goals under hazardous conditions during 10-day backcountry tours
- Train crew members on proper trail & tool maintenance, including crosscut saws
- Guided & coordinated several backcountry volunteer work parties, each lasting 1 week
- All work performed in very remote and inaccessible areas of the North Cascades
- Explosive blasting and prescribed burning experience

**Mentor, Teacher and Crew Leader** for [Northwest Youth Corps](#): Eugene, OR – 2009 to 2011

- Supervisor for Leadership Development and Backcountry Leadership Programs
- 6 week long backcountry projects
- Physical and mental development of adults and youth ages 16-19
- Daily lessons with students earning high school biology and PE credits

**AmeriCorps Volunteer** for Environmental Corps at [American Youthworks](#): Austin, TX – 2009

- Over 800 hours of trail maintenance and construction, chainsaw work, invasive species removal, and restoration projects
- 11-day front and backcountry projects at state parks in west, central, and east Texas

**Business and IT Consultant:** [ATEC Diversified, LLC](#): Hot Springs, AR – 2007 to 2008

- Management of welding and steel fabrication company with revenues in excess of \$1 million annually
- Website development, graphic artist & marketing; top placement in Google search engine with over 1 million unique page views in under 3 years (*current site is not my work*)
- Skills developed include financial accounting, budgeting, market research, capital investment, product development, patent filing, distributorship agreements, trademarks, and metal inert gas (MIG) welding

**Legal Assistant:** [Brown McCarroll, LLP](#): Austin, TX, 2005-2007

- Data entry, analysis, legal research, written and oral presentations for the largest law firm in Austin, Texas
- Experience in administrative health care law, intellectual property, and product liability
- Microsoft Access database management

## ASSOCIATIONS

- Society of American Foresters (SAF)
- Oklahoma Ornithological Society (OOS)
- American Numismatic Association (ANA)
- Oklahoma Numismatic Association (ONA)
- Indian Territory Coin Club (ITCC)
- Central States Numismatic Society (CSNS)
- Chopmark Collectors Club (CCC)
- Fly-in Club (FC)
- Combined Organizations of Numismatic Error Collectors of America (CONECA)

## COMPUTER AND SOFTWARE EXPERTISE

- Wrote my first computer program in 1995 at the age of 13 using VisualBasic 4.0
- Skillful in all versions of HTML, including CSS since induction, coding my first sites in Notepad
- Owner and designer of 5 domain addresses from 1997 to present with millions of page views
- Seventeen years of proficiency in computer-generated graphic arts using Adobe Photoshop versions 4.0 to CS6 (released 1996 to 2015)
- High proficiency in Adobe InDesign for the publication of newspapers and books.
- Creation of PDF files using Adobe Acrobat Professional versions 5.0 to 10.0, 2001 thru present
- Proficient in JavaScript and data structures since 2002
- Professional document production in Microsoft Office since debut in 1995, including Word, Frontpage, Powerpoint, and complex charts and formulas in Excel
- Involved in commercial and education projects such as computer programs, websites, marketing materials, printed/oral reports, JavaScript web-based features, YouTube videos and AppleOS/AndroidOS mobile applications
- Type 70+ words a minute, error free

## SUPPLEMENTAL EXPERIENCE

### **Numismatic Author and Die Variety Contributor:** [www.indianvarieties.com](http://www.indianvarieties.com)

- Groundbreaking approach to cataloguing die varieties; most comprehensive and detailed resource ever produced for any coin series
- In-print version of my index is slated for 2020
- An introductory book titled Top Varieties of the Flying Eagle and Indian Head Cent series is scheduled to print winter 2016

### **Owner & Auctioneer:** Double Jack Auctions, LLC, Dallas, Texas – 2011-2012

- Reduce – Reuse – Reauction
- Founding member; placed items on auction through consignment using rental space at an antique mall

### **Owner and Operator:** BudgetComp, LLC, Grinnell, IA, 2002-2003

- Custom built computers to customers' specifications

### **Pioneer Fund Raiser:** Grinnell College, Iowa – 2001-2005

- Enhanced the college's general operating fund by seeking support from alumni and parents of current students

### **Cook:** McDonald's Restaurant, Grinnell & Iowa City, IA – 2002-2004

- Experience tending cash and cooking

## PUBLICATIONS

The Authoritative Reference to Flying Eagle and Indian Head Cent Die Varieties. 2016. [www.indianvarieties.com](http://www.indianvarieties.com).

[Sequoia National Park Internship Video](#). 2013. National Park Service and the Climate Change Youth Initiative.

[Pines to Vines](#). 2013. [Mobile Education Store](#). Digital book on forest ecosystems available on the iPad and iPhone

"Wrong Side of the Window". 2010. The Grinnell Magazine. June 24.

Botany Photo Gallery and Research Homepage – <http://www.indianvarieties.com/russ/index.htm> - Self-published site contains over 15 unpublished research papers, a field portfolio, and my botany photo galleries

## HONORS AND AWARDS

### ***Oklahoma Numismatic Association***

- 2016 scholarship recipient for attendance to the American Numismatic Association's summer seminar at Colorado State College in Colorado Springs, CO.

### ***Pines to Vines Digital Book for Children***

- ☆☆☆☆☆ Flawlessly Designed - Children's Book Review
- ☆☆☆☆☆ 2014 Kapi Award - Honorable Mention
- ☆☆☆☆☆ Editors Choice Award - Children's Technology Review
- ☆☆☆☆☆ A Masterpiece - Teachers with Apps
- ☆☆☆☆☆ Near Perfection - Mobile iEducator
- ☆☆☆☆☆ Phenomenal - Technology in Education

### ***Oregon State University***

- Recipient of [Climate Change Youth Initiative](#) internship funded by University of Washington

### ***Grinnell College***

- Trustee Honor Scholar
- Chess Club Founder
- Football Letter Award
- Town-and-Gown Rugby

### ***Talihina High School***

- 4.0 GPA
- Eagle Scout
- 2<sup>nd</sup> All-State football player in school history
- 2001 All-Conference Lineman of the Year
- 1 of 4 annually selected athletes for the Oklahoma Coaches Association Scholarship (\$2000)
- 1<sup>st</sup> qualifier and medalist in Statewide Mock Trial competitions in school history
- Statewide medalist in Cross-Examination Debate
- 3-time State competitor in Domestic Extemporaneous Speech
- Statewide competitor in Powerlifting

## **VOLUNTEER SERVICE**

- Clayton Chamber of Commerce in Clayton, OK
- Sequoia-Kings Canyon National Park, CA – 560 hours
- American Youthworks in Austin, TX – Over 800 hours
- Greenbelt Land Trust of Corvallis, Oregon
- HJ Andrews Experimental Forest in Oregon
- Northwest Youth Corps of Eugene, Oregon
- Friends of the Ouachita Trail (FoOT) in Oklahoma
- American Red Cross of Oklahoma

## **PAST CERTIFICATIONS**

- First Aid & CPR
- Crosscut Instructor for USFS – Bucking & Falling
- Bridge Inspector for USFS – Major & Minor Bridges
- Wildland Firefighter Type II – “Red Card”

## **PROFICENCIES**

- Grant Writing
- HTML, CSS, Java, Visual Basic computer programming languages
- Computer generated graphic arts
- Business administration & accounting
- 1000 hours saw experience – Bucking and felling with 25” bar and crosscut
- Motorcycle, snow mobile, boat, tractor, manual transmission experienced
- MIG Welding (Flux & Solid Core), amateur stick welding
- Small scale timber harvesting and milling

## **HOBBIES**

- Angling
- Astronomy
- Backcountry Camping
- Bass Guitar
- Bow hunting deer and elk
- Birding
- Chess
- Geology
- Leatherworking
- Macrophotography
- Medium distance running
- Numismatics
- Weightlifting