

Dean P. Walton

Lorry Lokey Science & Technology Outreach Librarian

Associate Professor
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<https://blogs.uoregon.edu/scitechoutreach/>

EDUCATION

Ph.D. Pharmacology, Georgetown University, 1989

M.L.S. Library Science, Southern Connecticut State University, 2005

B.S. Biology (*magna cum laude*), American University, 1983

PROFESSIONAL LIBRARY EXPERIENCE, CURRENT RESPONSIBILITIES, AND RECENT PAST RESPONSIBILITIES

Science Librarian, Associate Professor/Senior Librarian (Assistant Professor, 2005-2012, Associate Professor, 2012-2017), University of Oregon, July 2017-present

- Science & Technology Outreach Librarian - I research and promote identified technologies that further the goals of the university community, and I currently chair the emerging technologies working group within the Library. Additionally, I oversee running of the Library's Visualization Lab and DeArmond Makerspace with supervision of one to two students.
- As a subject specialist, I serve as the library liaison for the Biology and Geology Departments and the Environmental Studies Program. I oversee the biology, environmental studies, geology, and neuroscience monograph and serials fund lines. I answer and respond to reference questions in the sciences, and teach classes related to information literacy.

Past Major Responsibilities

- Collection Fund Manager for the Sciences - I served as a liaison from the Collection Managers group of the University of Oregon Library System to the Science Librarians. In this capacity, I helped make decisions regarding the purchase of library resources, helped with the analysis of resource related data, and provided input to the four science librarians on the management of their fund lines.
 - Open Access Support Fund Manager - I served as the interface between the library and the research faculty and review and approve funding requests for open access publishing by University of Oregon Community (2009-January 2014).
 - Data Literacy Researcher - I shared investigative responsibilities with our Data Services Librarian on an Institute for Museum and Library Services funded grant (2011-2013).
 - Interim GIS/Map Librarian, March-December 2010
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SERVICE TO THE LIBRARY

Committees

- Emerging Technologies Working Group 2017 (Chair 2017-2019)
- Experiential Technologies Working Group 2015 (Chair 2015-2017)
- Library Systems Head Search, 2018
- Price Science Commons Library Head Search, 2016
- Library Faculty Personnel Committee, 2013-2015 (Chair 2014-2015)
- Undergraduate Research Awards Committee, 2014-present
- Acquisitions Librarian Search Committee, 2013
- Library Faculty Committee Presiding Officer, 2007-2008
- Scholarly Communications Committee, 2008-2014
- Collection Manager (Fund Group Leader) for the Sciences, 2007-present
- Social Sciences Librarian Search Committee, April 2007-August 2007
- Exhibits Committee, 2005-2007, 2016-present
- Sign Committee, 2005-2007

Ad Hoc Library Committees

- Research Guides Committee, 2014
 - Science Library 3D Printer Review Committee, 2013
 - Faculty Outreach Committee, 2012
 - Digital Display Committee, 2012
 - Library Faculty By-Laws Review, 2011
 - WebPac Pro Interface Design Committee, 2007
 - Research Guide Access Redesign, 2007
 - How-to Page Redesign, 2006
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SERVICE TO THE UNIVERSITY

Committees (including Ad Hoc Committees), Clubs, Organizations

- University Safety Advisory Committee, 2014 - present (Chair, 2015-2017)
 - University Strategic Plan Taskforce (reports to Vice Provost for Budget and Planning), 2014
 - University Faculty Senate member, 2010-2012
 - STEM CORE - 2013-present
 - Faculty advisor/liaison for the University of Oregon Student's American Cancer Society Relay for Life, 2008-2009
 - Augustan Solarium Design, 2006-2007
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PROFESSIONAL MEMBERSHIP AND SERVICE

- American Library Association, 2004-2007, 2011-present
 - ACRL Division
- American Society for Information and Technology, 2006-2007
- DataOne, 2013-2014
 - Steering Committee Member, 2013-2014
- Natural Resources Information Council, 2005-2012 (group may be considered currently defunct)
 - President, 2009
 - Conference Organizer, 2009
 - Co-conference Organizer, 2008
 - Treasurer, 2007-present
 - Website redesign, 2006-2007

- Webmaster, 2006-2012
 - National Science Teachers Association, 1990-present (with interruptions)
 - Northwest Scientific Association, 2012-present
 - Oregon Academy of Science, 2006-present
 - Webmaster, 2013-2019
 - OAS Annual Meeting Planning Committee and Proceedings Editor, 2013-2019
 - Education Co-Chair, 2012-2017
 - Oregon Library Association, ACRL Division, 2005-2006, 2015-2016
 - Society for Conservation GIS, 2012-present
 - 2017 Planning Committee, 2016-present
 - Special Libraries Association, 2006-2011
 - Environmental Resource Management Division (ERMD)
 - ERMD Chair, 2010
 - Membership Chair, 2007-2009
 - Division of Biology (DBIO)
 - Natural History Caucus Convener, 2009
 - Co-convener, 2008
 - Oregon Chapter (ORSLA)
 - Oregon Chapter Valley Liaison and board member, fall 2009 - 2011
 - Western Association of Map Libraries, 2010-2013, 2015-2018
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COMMUNITY SERVICE

- Oregon Country Fair MOST/Land Use Management and Planning GIS representative 2015 - present
 - Sheldon High School Engineering Club coordinator, 2018 - present
 - Cal Young Middle School Team America Rocket Challenge team coordinator, 2016-2017
 - Eugene Natural History Society – Society President, Spring 2017, Board member & Audio/Visual Coordinator, 2014-present
 - Eugene Rocketry Club – Education Outreach Coordinator, 2014-present
 - Oregon Native Plant Society – Emerald Valley Chapter – Plant Database Coordinator, 2016-present
 - Rachel Carson Academy-Churchill HS Advisory Board Member for Environmental Studies, 2015-present
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AWARDS

Solari (UO Library) Incentive Award, 2017 – \$5,000
 Solari (UO Library) Incentive Award, 2014 - \$3,000
 High Jump Award for Library Outstanding Service with John Russell and Cara List, 2009
 Library Professional Development Awards, 2006-2012, 2014-15

ENDORSEMENTS, LICENSES, CERTIFICATES

FAA UAV Pilot's License, 2016
 FCC Amateur Radio License - Technician (1996), General Class (2015), & Extra Class (2015)
 NIMS-Federal Emergency Management Agency ICS100, ICS200, & IS700 Certificates
 National Association of Rocketry L1 & L2 High Powered Rocketry Association, 2016
 ARRL Emergency Communications training 2009
 Virginia Department of Education biology and visual art education endorsements (2005)
 National Cave Rescue Commission training (1999)
 PADI Scuba Diving Certification (1986)
 Emergency Medical Technician (Virginia, 1984)

ACTIVITIES

Publications and Presentations at International, National, and Significant Regional Meetings:

- Walton, D.P. 2019. "Augmented reality, the HoloLens, and the library." *You're Doing What With That? How Our Patrons are Using our Technologies and Why* (A LITA Guide). Beth Thomsett-Scott, Ed. Submitted for publication.
- Walton, D.P. (2018, Nov. 16). From the ground to the Hololens. Columbia River Region ASPRS Tech Exchange. American Society for Photogrammetry and Remote Sensing (ASPRS).
- Walton, D.P. and J. Murray (2018, August). Making to collect, observe, and learn: Activities of the DeArmond Makerspace [Poster] International Society for Academic Makerspaces, Stanford, University, Palo Alto, CA
- Walton, D.P. (2018 July). Mapping the overlooked: Capturing data on less widely recognized species. Society for Conservation GIS, Monterey, CA
- Walton, D.P. (2018, April). Making it in the Universe [Invited Talk]. What is: Universe Conference. University of Oregon School of Journalism, White Stag, Portland, OR
- Gregory J. Retallack, James E. Martin, Adrian P. Broz, Brent H. Breithaupt, Neffra A. Matthews, and Dean P. Walton. (2018). Late Pleistocene mammoth trackway from Fossil Lake, Oregon. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 496, Pp 192-204.
- Walton, D.P. & A. Greenberg. (2017, October 14th). The phenomena of gravity, electromagnetic energy and the tracking of an object launched into space. Oregon Science Teachers Association annual meeting, Portland, OR.
- Walton, D.P. (2017, July). The Painted Hills: Exploration of 3D visualization and hologram generation as tools for conservation and ecological analysis [Poster]. Society for Conservation GIS, Monterey, CA
- Walton, D.P. (2016, June). An Open Source Conservation Analysis & Plan for Rodrigues Island, Mauritius, [Poster]. Presented at the annual meeting of the Society for Conservation GIS (SCGIS), Pacific Grove, CA. Uploaded to Data Basin, March 2017
<https://databasin.org/datasets/ec01bd4332644d9d8d1837c09d15f633>
- Amber Arnold, Kaitlyn Bulgarelli, Lilli Clement, Jessica Dally, Lillian Eberhardt, Zachary Harlan, Zoe Johnson, Lily Kadrmas, Aaron McAndrews, Ethan Reeder, Sophia Perez, Jesse Moseley - In-Stream Habitat Assessment Water Team -Thurston High School; Jared Weybright, Jennifer Weber - McKenzie Watershed Council; Stephanie Lawless - The WELL Project; Dean Walton & Kathy Stroud - University of Oregon. (2016, June) Habitat Restoration & GIS Analysis of a Salmon Stream: Soda Fork Creek, South Santiam Basin, Linn County, Oregon [Poster]. Presented at the annual meeting of the Society for Conservation GIS (SCGIS), Pacific Grove, CA.
- Walton, D.P. (2016, July) "Getting started with programming" [book chapter], *The Librarian's Introduction to Programming Languages: A LITA Guide (LITA Guides)*, Edited by Beth Thomsett-Scott.

- Walton, D.P. (2015, May 24). GIS incorporation of Structure-from-Motion models utilizing disaster response related imagery [Poster]. Presented at the Information Systems for Crisis Response and Management (ISCRAM) annual meeting, Kristiansand, Norway.
- Walton, D.P. (2015). *Dynamics of Disasters*, by Susan Kieffer [Book Review]. *Natural Hazards Observer*, Vol 39(5):26.
- Walton, D.P. (2015). *Island on Fire: The Extraordinary Story of Laki, the Volcano That Turned Eighteenth-Century Europe Dark*, by Alexandra Witze and Jeff Kanipe [Book Review]. *Natural Hazards Observer*, 39(5):26-27.
- Walton, D.P. (2015) Rocketing out of the library and putting a satellite in orbit. *OLA Quarterly*, Vol 14:4, pp 14-18.
- Greenberg, A. and D.P. Walton (2015, February 28) ORSSP Oregon small satellite project. [Poster] Presented at the annual meeting of the Oregon Academy of Science, University of Portland, OR.
- Stroud, K. and D.P. Walton. (2015, February 28). From selfies to environmental mapping: Using a free, online mapping tool to engage high school students in environmental research and mapping. Presented at the annual meeting of the Oregon Academy of Science, University of Portland, OR.
- Walton, D.P. and N. Spicher. (2015, February 28). Rocketry by design. Presented at the annual meeting of the Oregon Academy of Science, University of Portland, OR.
- Walton, D. P. (2014, July 12). Trials and Tribulations of drones (UAVs) for ecological monitoring. Society for Conservation GIS, Monterey, CA
- Walton, D. P. (2014, July 10). Disaster Informatics [Lecture and Exercise] 2nd Annual Western Science Library Boot Camp, Seattle, WA.
- Westra, B. and D. P. Walton. "Ecology data information literacy skills for graduate students using a discussion-based approach" in *DIL Toolkit Guide*, ed. Jacob Carlson et al. (Lafayette, IN: Purdue University Press, 2014), 24 pages.
- Wright, S. J., J. Carlson, J. Jeffreys, C. Andrews, M. Stowell Bracke, M. Fosmire, L. Johnston, M. Sapp Nelson, D. Walton, and B. Westra. "Developing data information literacy programs: A guide for academic librarians," in *DIL Toolkit Guide*, ed. Jacob Carlson et al. (Lafayette, IN: Purdue University Press, 2014), 36 pages.
- Walton, D. P. and M. Fosmire. (2013, September). Developing an assessment strategy. A workshop presented at the Purdue University Data Information Literacy Symposium West Lafayette, IN.
- Walton, D. P. and S. Miller. (2013, July). Oregon freshwater mussel distribution: A focus on data management. Poster presented at the annual meeting of the Society for Conservation GIS, Monterey, CA.
- Westra, B. and D. P. Walton. (2013, July). Data literacy: Aiming at graduate students. Poster presented Dean Walton at the annual meeting of the DataOne Users Group meeting, Chapel Hill, NC.
- Walton, D. P. and J. Paules. (2013, February). Science education outreach at the University of Oregon: A preliminary analysis. Presented at the annual meeting of the Oregon Academy of Science, Willamette University, OR.
- Westra, B. and D. P. Walton. (2013, February). Development of data management training aimed at graduate students in the Sciences. Poster presented by Dean Walton at the annual meeting of the Oregon Academy of Science, Willamette University, OR.

- Johnson, J. Q., D. P. Walton, and D. Carver. 2011 Reviewed scholarly publications resulting from federally funded research prepared for and the official RFI response of the University of Oregon Libraries. <http://www.whitehouse.gov/administration/eop/ostp/library/publicaccess>
<http://www.whitehouse.gov/sites/default/files/microsites/ostp/scholarly-pubs-%28%23049%29.pdf>
- Walton, D. P. (2010, August). Geospatial information and the research library. Presented at the annual meeting of the Natural Resources Information Council, Glacier Institute, Glacier National Park, MT.
- Walton, D. P. (2010, August). Workshop on Virtual Computing. Presented at the annual meeting of the Natural Resources Information Council, Glacier Institute, Glacier National Park, MT.
- Walton, D. P. (2010, May). Evidence based decision making: Data mining for serials cancellations. Presented at the Acquisitions Institute at Timberline meeting, Mt Hood, OR.
- Walton, D. P. (2010, April). Freshwater tidal forest communities of the Mid-Atlantic region [**Invited talk**]. Presented at the Eugene Natural History Society monthly meeting, Eugene, OR.
- Walton, D. P. (2010). *GIS for the Urban Environment* by Maantay, Juliana and John Ziegler. Redlands, California: ESRI Press 2006. 596 p.: ill [Book Review]. Western Association of Map Libraries (WAML) Newsletter 41(3).
- Walton, D. P. (2009, December). Envisioning the ecological data portal [**Invited Keynote Speaker**]. Presented at the Pacific Northwest Aquatic Monitoring Program meeting, Portland, OR.
- Walton, D. P. (2009, June). Hi-tec tools for data analysis. Presented at the annual meeting of the Natural Resources Information Council, Library of Congress, Washington, D.C.
- Walton, D. P. (2008, August). Accessing ecological data: From the broad to the specific. Presented at the annual meeting of the Natural Resources Information Council, Eugene, OR.
- Walton, D. P. (2008, April). Libraries and natural disaster responses [**Invited talk**] [On-line seminar]. National Network of Libraries of Medicine.
- Walton, D. P. (2007, August). FOIA requests within state agencies: Natural resources and the quest for information. Presented at the annual meeting of the Natural Resources Information Council, Las Vegas, NV.
- Walton, D. P. (2007, August). Disaster informatics and natural resources. Presented at the annual meeting of the Natural Resources Information Council, Las Vegas, NV.
- Walton, D. P. (2007, June). Hazardous materials, crisis situations, and the role of the information specialist. Presented at the annual meeting of the Special Libraries Association, Denver, CO.
- Walton, D. P. (2006, August). Information transfer during crisis situations: The role of the library in supporting and documenting emergency responses with a focus on natural disasters and natural resources related events. Presented at the annual meeting of the Natural Resources Information Council, Las Vegas, NV.
- Walton, D. P. (2006, August). GIS: Data types and standards: A workshop for natural resources librarians. Presented at the annual meeting of the Natural Resources Information Council, Las Vegas, NV.

Grant Recipient:

Oregon Cultural Trust - Sauvie Island Cultural Mapping Project, November 2018 - Eric Jones, Dean Walton, Will McClatchley, and James Hillegas-Elting

IMLS - Data Management for Libraries, 2014 - Wright, S. J., J. Carlson, J. Jeffreys, C. Andrews, M. Stowell Bracke, M. Fosmire, L. Johnston, M. Sapp Nelson, D. Walton, and B. Westra.

UO STEM CORE Education Grant, April 2014 - Fundamentals of Rocketry

UO STEM CORE Education Grant, December 2014 – Environmental Mapping

Grant Reviewer:

National Institute of Environmental Health - National Toxicology Program grant reviewer (2008, May-November).

Interviews:

Oregon Daily Emerald interview on 3D printing
<http://www.dailymerald.com/2015/01/16/3d-printer-at-uo-science-library-free-to-use-by-students/>

Duck TV: Interviews on 4/22/2014 and 2/24/2014. Published May 2nd, 2014
<http://www.ustream.tv/recorded/47031782> at 27.57 minutes

Duck TV: <http://ducktv.uoregon.edu/science-library-acquires-new-3d-printer/> February 23rd, 2014.

Library Journal: <http://lj.libraryjournal.com/2014/01/academic-libraries/university-of-oregon-science-libraries-backup-fossils-with-3d-printer/> January 13, 2014.

EarthFix OBP. <http://earthfix.opb.org/flora-and-fauna/article/how-a-3-d-printer-helped-preserve-a-sabertooth-sal/> January 6th, 2014.

Oregon Daily Emerald: Towering Time Piece: <http://dailymerald.com/2007/05/31/towering-timepiece/> May 31st, 2007

Organized Conferences:

Conference Planning Team Member - Society for Conservation GIS, Monterey, CA, 2017

Conference Planning Team Member – Oregon Academy of Science, University of Portland, Portland, OR, February 2016.

Conference Planning Team Member – Oregon Academy of Science, University of Portland, Portland, OR, February 2015.

Conference Planning Team Member – Data Information Literacy Symposium, Purdue University, West Lafayette, IN, September 2013.

Conference Planning Team Member - Natural Resources Information Council (NRIC) Annual Meeting, Glacier Institute, Glacier National Park, MT, August 2010.

Conference Planning Team Member - Annual Meeting of the Special Libraries Association, New Orleans, LA, June 2010.

Lead Organizer - Natural Resources Information Council (NRIC) Annual Meeting, Library of Congress, Washington, D.C., June 2009.

Conference Co-Organizer - Natural Resources Information Council (NRIC) Annual Meeting, University of Oregon, August 2008.

Lead Organizer, Virginia Native Plant Society Annual Meeting, Richmond, Virginia, 2004.

Lead Organizer, East Coast Lichen Network - Tuckerman Workshop, Blackwater Falls State Park, West Virginia, April 2001.

Exhibits:

Walton, D. P. (2018, April). International Science Award Winners 2017. Price Science Commons, University of Oregon.

Walton, D. P. (2017 November). Marie Curie, Celebrating a 150th Birthday [Exhibit]. Price Science Commons, University of Oregon.

Walton, D. P., C. Boboia, E. Luks, C. Wilson, and K. Freeman. (2013, January). Alan Turing: Founder of Computer Science [Exhibit]. Knight Library, University of Oregon.

Walton, D. P. (2010, September). Images, Art, and the Campus [Exhibit]. Lawrence Hall, University of Oregon.

Walton, D. P. and V. Mitchell. (2009, February). *Scientia venustior*: The art of science [Exhibit]. Knight Library, University of Oregon.

Walton, D. P. (2008, September). Contemporary conservation issues in Africa [Exhibit]. Living-Learning Center, University of Oregon.

Walton, D. P., J. Nicols, and R. Zimmerman. (2006, September). The Sun, the calendar, the monument, the campus [Exhibit]. Knight Library, University of Oregon.

Term Classes Taught:

Lib199 – Freshman Seminar – The Pacific Northwest: Present to Primeval (3 credits). There is a competitive process for teaching freshman seminars and this one was accepted. Fall 2015.

Lib399 – Research and the 3D Object. (1 credit), fall 2014.

Lib199 – Freshman Seminar - Disastrous Inquiries (3 credit hours) – Researching Natural Disasters -winter, 2008. There is a competitive process for teaching freshman seminars and this one was accepted. Additionally, the class received mention in Educause’s 2008 Horizon Report on Data Mashups p. 21.

Lib101 – Introduction to Library Research Class (1 credit hour), spring, 2007.

Natural History - American University (3 credits), 1987.

Guest Lecturer / Freshman Interest Group Classes (FIGS) (1-hour sessions) / Embedded Librarian

Embedded Librarian in Dr. Norgaard’s Environmental Justice Class

Specialty classes for International Studies, Journalism, Art Administration, Biology, Geology, & Environmental Studies

FIGS (Animal Planet Animal Behavior, Environment-Beauty-Justice, Geology of Oregon)

SPUR - Summer Program for Undergraduate Research in Life Sciences

Numerous Writing 122/123 classes

Educational Outreach and Miscellaneous Projects:

UAV/UAS Pilot Licensing class January-February, 2018

Drone photography workshop, November 1st & 18th, 2017

Late Pleistocene mammoth trackway from Fossil Lake, Oregon - An Update presented to the Sandal Society at the Museum of Natural and Cultural History, November 13, 2017

DSLR Solar Filter Workshop at the Price Science Commons, August 9th, 2017

Drone photography for the School of Education's TeachOut Symposium focusing on LGBTQ issues in education, July 28th, 2017

SAIL Program guest mentor – Design of Solar eclipse glasses, July 25, 2017

“Lake of Mammoths” videography and production for Greg Retallack, July 23, 2017

Eugene Maker Space summer camp guest mentor – Airfoil design, July 26, 2017

Walton, D.P., P. Gordon, G.S. Pitts & S. Proctor. (2017, July 7-9). 2D and 3D mapping of the Long Tom River via UAV systems for long-term change detection and conservation – A MOST-OCF project. Poster presented at the Oregon Country Fair.

SPUR Program guest mentor – Using Library resources June 12, 2017, and Research Poster Design July 12, 2017.

Eugene MiniMaker Faire, Airplane design, June 10th, 2017

University of Oregon Robotics Club, May-present

Mapping with Drones – UAV pilot for Chris Bone's class, May 2017

Eugene Stemfest at the Science Factory, Eugene, Oregon May 6th, 2017

Invited Panelist on innovation at **What is? Life** Symposium April 7th, School of Journalism and Communication, Portland, Oregon

Northwest Science Association attendance March, 2017

Bat detector workshop & Workshops on RC circuits and oscilloscope use. Winter – Spring 2017

Central Washington Oregon Science Expo judge March 11, 2017 University of Oregon

TARC Rocketry team leader – Cal Young Middle School, Eugene, Oregon 2016-2017 school year

Cookie Cutter, Origami, workshops including Cookie Cutter Workshop for the LGTBQ Alliance on campus

Judge for papers and talks for the JSHS state champion high school science papers McMinnville, OR, December 2016

Helped with the Greater Eugene Girls Scouts robotics club to 3D print their project for the State championship robotics competition.

Helped with Kennedy Middle School robotics teams for the State champion robotics competition. This team came in second place for the robotics research project

Created 1 of the 3 Stembox projects for the Women in Graduate Science educational outreach project and reviewed the other 2 projects in a meeting the WGS outreach team.

Helped Andre LeDuc of Risk Enterprise survey the campus for damage on Friday after the ice storm via use of quadcopter. December 2016

Helped with the Campus-wide lighting inspection on Thursday evening 5:30 - 8 pm, 11/10

Worked with the City of Eugene to create a quadcopter documentary of a work party to show off the possibilities quadcopters for research and planning use. Fall 2016.

University of Oregon Business School QuackCon/Makethon mentor in the DeArmond MakerSpace, October 15th, 2016.

Lecturer for the "Ancient Past" summer camp sponsored by the Oregon Museum for Natural and Cultural History, August 25th, 2016.

MakerSpace discussion panelist – Eugene Public Library on what it is to be a maker, August 24th, 2016.

SUPR-Lab Eugene, Oregon Heat Island survey project participant, August 19th, 2016

<http://registerguard.com/rg/news/local/34711004-75/eugene-arborists-psu-researchers-collect-data-from-urban-heat-islands-in-eugene.html.csp>

Eugene Maker Space Near-Earth Weather Balloon Launch Participant, August 6th & October 9th, 2016

<https://www.facebook.com/331241636887219/photos/pb.331241636887219.-2207520000.1471900251./1280223818655658/?type=3&theater>

Acquisition of Microsoft Mixed Reality HoloLens for research purposes with UO faculty, staff and students via the Innovative Library Services and Teaching (ILST) Grant Program, July 1, 2016

Oregon Country Fair Cartography Crew - Display of projects relating directly to the Country Fair, my regional conservation maps including student assisted maps relating to the Well project and the Soda Fork Stream Habitat Restoration project, and the Coyote Prairie Wetlands, July 7-10, 2016

3D design for rocketry class taught for the Science Factory's rocketry summer camps, June 29th, 2016.

Rodrigues Island Mapping Project, a 5 minute "lightning presentation" at the UO Women in Graduate Science – Science Slam June 8th, 2016.

3D Printing Demonstration – Adams Elementary School, June 3rd, 2016.

Team America Rocket Challenge Staff photographer for the National Association of Rocketry in Plains, VA, May 13-15, 2016.

Science & Engineering Expo attendee, Washington, DC April 16-17, 2016.

HOPES Sustainable Architecture Conference – "Disrupting Colors" session mentor for conference participants, April 9, 2016.

Rocketry exhibit at the Eugene Public Library in conjunction with the Eugene Rocketry Club April 2016.

Pacific Northwest Association of College Physics meeting, Portland, OR, April 1st-2nd, 2016.

Northwest Science Association / Northwest Lichenologist meeting attendance, March 23rd-26th, 2016.

Central Washington / Oregon Science Expo judge, March 5th, 2016.

3D printing/CAD workshop using Fusion360 taught with Jimmy Murray, February 23rd and March 1st, 2016.

Oregon Academy of Science ad hoc facilitator for the Junior Academy, February 27th, 2016.

University of Oregon Graduate Research Forum poster judge for biology posters, February 26th, 2016.

ARCGIS Desktop/Online Instructor with Kathy Stroud for the Oregon Well Project and Springfield and Thurston High School students January 11th & 15th; February 16th & 23rd; & March 29th, 2016.

Creation of a Pushkin key fob for the “From novel in verse to opera: Pushkin, Tchaikovsky, and Eugene Onegin exhibit and conference on the University of Oregon campus, January 22, 2016.

Invited guest speaker in the “Art Meets Science” freshman seminar on the topic of science and art imagery, January 14, 2016.

Oregon Junior Science and Humanities Paper Reviewer, 2015.

Flock/Block Party Demonstration of 3D printing, September 25, 2015.

SIGGRAPH Conferenced attendance August 10-12, 2015.

Talk on 3D visualization and printing for the UO Library’s Digital Scholarship Center August 26th, 2015.

UO representative to Michael Whitaker / Sen Ron Widen Meeting on UAVs, August 14th, 2015.

Videographer and GuideBook designer for SCGIS 2015 Conference in Monterey, CA, July 27-28, 2015.

Using quadcopters for ecological research- City of Eugene Parks and Recreation Career talk series, July 24th, 2015.

3D Printing - Super Summer Camp for Lane Talented and Gifted Students at Holt Elementary School, July 15th, 2015.

UO Science Literacy Program’s Science Institute Field Trip Leader, July 13, 2015.

Science Literacy Program Summer Institute Training, June 22-25th, 2015.

3D printing demonstration – Edison Elementary School Ms. Vondracek’s 4th grade class March 17th, 2015.

PARC-Oregon Citizen Science Meeting attendance – Portland, February 24th, 2015.

Oregon CanSat Project - Development of Arduino based sensors for training students on the use of microcontrollers for environmental research, February 2015-present.

NARCON – National Association of Rocketry Conference attendance February 21, 2015.

Creating sculpture models via photo-alignment for the visually impaired – Jordan Schnitzer Museum of Art February 2015.

Invited lecturer and judge, Dean's Office of the University of Oregon Graduate School research poster design and best practices, January 28th 2015 and judge for the research forum February 20th, 2015.

UO Science Open House- Demonstration on 3D printing and 3D visualization, September 24th, 2014.

Science education outreach using computer assisted design and 3D printing at the STEMCore ATA Next Generation Science Standards (NGSS) training session August 12th, 2014.

3D printing and Science Education at the Lane County Fair July 25th-27th, 2014.

Copyright, Mandates, and Open Access Publishing training session for UO Library faculty with John Russell and Kelly Reynolds. July 24th, 2014.

Entrepreneurship Club talk May 13th, 2014.

Learning outside of the classroom and 3D Printing, UO STEM CORE Open House [talk], April 25th, 2014.

Rhinoceros5 Tutorial for making CAD rocket nosecones for 3D printing, April 21st, 2014.

<http://www.youtube.com/watch?v=PFIHoxycuig>

University of Oregon Science and Invention Fair support staff, March 8th, 2014.

Graduate Research Symposium Poster Judge March 7th, 2014.

Invited lecturer, Dean's Office of the University of Oregon Graduate School research poster design and best practices, February 14th, 2014. <https://www.youtube.com/watch?v=0sl4GkMNOL8>

Avid Program Science Lecture – Learning outside of the classroom Jan 25th 2014 for UO STEM CORE.

Video production of the “2013 Great Frozen Pumpkin Drop” covering Randy Sullivan's National Chemistry Week demonstration. <http://www.youtube.com/watch?v=Ejydd1U9f14>

Video Interview with Ryan Baker regarding the Google Glass Project, October 2013.

<http://www.youtube.com/watch?v=r25SOPclKNU>

Workshop on how building a slinky seismometer for Dr. Doug Toomey's Geophysics class, October 2013.

Oversaw & guided a Science Library volunteer in the creation of a series of 8 conservation oriented database tutorials published to YouTube and multiple science related study guides, August-November 2013.

<http://www.youtube.com/channel/UCTrWZBSisAVONNfrDCe5YVQ>

Submission and acceptance of a proposal to purchase a Makerbot Replicator 3D printer for the Science Library, October 2013.

Organized display of Science Library 3D visualization station at the UO SPICE! Science Open House, September 25th, 2013.

Created a STEP-DUE Grant and PDF output Database for Dan Udovic, July 2013. Database published on April 8th, 2014. <http://stepcentral.net/groups/posts/1133/>

DataOne roundtable discussion leader at the 2013 DataOne Users Group (DUG) Meeting in Chapel Hill, NC, July 2013.

University of Oregon Science and Invention Fair Judge - May 18th, 2013.

Instigated and organized research visualization judging of the 2013 Graduate Research Forum (May 9th) and the Undergraduate Research Symposium (May 16th), 2013.

Embedded Librarian in Dr. Kari Norgaard's Environmental Justice Class, March-June 2013.

Organized a National Geographic Webinar viewing with Frank Biasi for faculty members of Library, and the Biology and Geography Departments, March 2013.

University Day at the Science Factory education outreach. Presented "A history of scientific discovery," February 2013.

X-Day Event. Presented, "The Library it's what you make of it" presentation including organizing presentations on 3D visualization by Mark Fonstad and James Dietrich of the Geography Departments for the UO Libraries' 2012 X-Day training session, September 10th, 2012.

Development of 3D visualization workstation at the Science Library for viewing and working with 3D resources and data, 2012.

SummerBridge training session on how to do complex Google searches, July 2012.

Walton, D. P. (2012). Desert Rockets [Essay]. University of Oregon Library Staff Association Newsletter.

Walton, D. P. Camtasia Tutorial on the International Union of Conservation of Nature (IUCN) Red List Database. <http://www.youtube.com/watch?v=9yHIA9hd6Qk>

Science Literacy Journal Club participant starting December 2011.

Organized the Wild Duck Electromagnetic Carbonic Acid Test Extravaganza Week of Welcome Science Fair, September 2011.

Organized Library Social for the Oregon Special Libraries Association October 19th 2010 in Corvallis as the Valley Liaison.

Organized the Wild Duck Electromagnetic Carbonic Acid Test Extravaganza Week of Welcome Science Fair, September 2010.

Walton, D. P. (2010, August). Burning Man [Essay]. University of Oregon Library Staff Association Newsletter.

Organized Library Social for the Oregon Special Libraries Association June 23rd 2010 in Corvallis as the Valley Liaison.

Walton, D. P. (2010, April). Community Conversations Bibliography: Fears & Irrational Thinking: How Humans Justify Inexplicable Phenomena.

Demonstrated Google Wave to Oregon Special Libraries Association with Kama Siegel as guest speaker at the Annual Winter Tea with the ORSLA, February 5th, 2010.

Organized Library Social for the Oregon Special Libraries Association March 23 in Corvallis as the Valley Liaison, 2010.

UO Libraries Subject Specialist Meeting. Presented a session on "Virtual Computing." - 2010.

Reviewer for the *Journal of Collection Management*, February 2010.

Walton, D. P. Camtasia Tutorials on *LexisNexis Academic* and *Factiva*.
http://www.youtube.com/watch?v=db4g_-M-WKs
<http://www.youtube.com/watch?v=YuCMFVh1IWA>

UO Libraries Subject Specialist Meeting. Presented a talk "Designing web portals," 2009.

Organized the Wild Duck Electromagnetic Carbonic Acid Test Extravaganza Week of Welcome Science Fair, September 2009.

Walton, D. P. and R. Sullivan. (2009, Oct) The Great Frozen Pumpkin Drop [video].
<http://www.youtube.com/watch?v=azdjQCDORXU>

Walton, D. P. (2009). Censorship of evolutionary thought [Essay]. University of Oregon Library Staff Association Newsletter.

UO Libraries Subject Specialist Meeting. Presented a discussion on Web of Science Citation Graphing, 2009.

Special Libraries Association Division of Biology Poster design for SLA Annual Meeting in Washington, D.C., June 2009.

Walton, D. P. (April 2009). Community Conversations Bibliography: Green Collar Jobs.

Walton, D. P. (2009, Feb.) Information Anywhere [video]. Promotion contest for the Special Libraries Association.

Walton, D. P. (2009, February). My Neighborhood [Essay]. University of Oregon Staff Association Newsletter.

Organized the Wild Duck Electromagnetic Carbonic Acid Test Extravaganza Week of Welcome Science Fair, September 2008.

Created the Special Libraries Association Division of Environmental Research and Management Facebook and the Natural History Caucus WordPress Page and co-created the WordPress page for the Division of Environment and Research Management.

Walton, D. P. (Panelist and bibliographer). (2008, April). Disaster studies: A critical analysis of human responses to and inquiry of natural catastrophes. University of Oregon Community Conversations Program.

UO Libraries Subject Specialist Meeting. Presented a talk on Camtasia tutorials, 2008.

Walton, D. P. (Panelist and bibliographer). (2007, April). Community Conversations - 9/11 conspiracy theories: The World Trade Center Towers collapse. University of Oregon Community Conversations Program.

Reviewer for the *Journal of Collection Management*, November 2008.

University of Oregon Colleges Against Cancer club faculty liaison, 2008.

UO Libraries Subject Specialist Meeting. Presented a discussion on Faculty of 1000 Database, 2006.

Walton, D. P. (2005, November). Novel use of GIS for information management and retrieval in the academic library. Poster session presented at GIS Day, University of Oregon.

Published use (selected) of campus or science related photographs in national or regional resources (~12,000 images on Flickr (under Wolfram Burner) primarily of the UO campus with combined image views exceeding 3-million views, and use on over 300 webpages):

New Hampshire Public Radio, 9.21.16: The Mythic Island of Trash, The Oxymorrns, & The Bookshelf, September 21st, 2016.

<http://nhpr.org/post/92116-mythic-island-trash-oxymorrns-bookshelf>

Gigafabriek: het grootste gebouw ter wereld. September 10th, 2016.

<http://www.360magazine.nl/economie/5509/gigafactory-het-grootste-gebouw-ter-wereld>

OPB Impending Cascadia subduction zone event back in the news March 6th, 2016.

<http://www.opb.org/news/series/unprepared/northwest-earthquake-cascadia-subduction-zone-unprepared/>

Photographs used by UO *Student Insurgent* story on Divest-UO February, 2016.

Photograph used by *Oregon Daily Emerald* for the memorial story on January 17, 2016.

<http://www.dailyemerald.com/2016/01/27/influential-oregon-marijuana-activist-dies/>

OnEarth-Natural Resources Defense Council (April 20, 2015). For this Gulf community, the worst environmental disaster in U.S. history is still going on. <http://www.onearth.org/>

Science (April 2, 2015). Mediterranean Sea a major zone of plastic pollution.

<http://news.sciencemag.org/sifter/2015/04/mediterranean-sea-a-major-zone-of-plastic-pollution>

Prindle Institute of Ethics-DePauw University (April 8, 2015). The Importance of walking away.

<http://www.prindlepost.org/2015/04/the-importance-of-walking-away/>

Chicago Policy Review-University of Chicago (April 16, 2015). Universities Struggle to Address Sexual Violence on Campus.

<http://chicagopolicyreview.org/2015/04/16/universities-struggle-to-address-sexual-violence-on-campus/>

Federal Register (2015 February). Human Studies Review Board. <https://www.federalregister.gov/environment>

ABC Action News (2014). Scientists find out what's been killing millions of starfish.

<http://www.abcactionnews.com/newsy/scientists-find-out-whats-been-killing-millions-of-starfish>

National Public Radio (2014, August). How Campus Sexual Assaults Came To Command New Attention.

<http://www.npr.org/2014/08/12/339822696/how-campus-sexual-assaults-came-to-command-new-attention>

And numerous other images on other NPR affiliate websites.

Big Data Conference Data Images (2014, August), University of Oregon, CAS website.

<http://bigdata.uoregon.edu/>

Huffington Post (2015) Nearly One-Third Of College Men In Study Say They Would Commit Rape.

http://www.huffingtonpost.com/2015/01/09/college-men-commit-rape-study_n_6445510.html

M.S. Magazine (2014, February). Blowing the Whistle on Campus Rape.

<http://msmagazine.com/blog/2014/02/18/blowing-the-whistle-on-campus-rape/>

Les Nouvelles/News. (2014, March). États-Unis : un plan d'action contre les agressions sexuelles sur les campus. <http://www.lesnouvellesnews.fr/index.php/civilisation-articles-section/civilisation/3626-etats-unis-un-plan-d-action-contre-les-agressions-sexuelles-sur-les-campus>

<http://bit.ly/1h9NTGz>

University of Oregon. (2013). Summer Session 2013 summer course catalog cover and selected internal photographs.

University of Oregon Libraries (2013). Donor thank you card image.

TED^xUOregon (2013, February). TEDX promotional poster image.

University of Oregon 2013-2014 Parent and Family Calendar (April) and other selected internal photographs.

KPLU Public Radio (2012) image under pseudonym Wolfram Burner for article titled "Olympic track and field trials in Eugene Expected to sell out" by Tom Banse.

<http://www.kplu.org/post/olympic-track-and-field-trials-eugene-expected-sell-out>

Choy, K. (2012). *Nature+Scape*. Images of the J. Jaqua Academic Center.

Gold, E. (2012, fall/winter). Overthrowing Censorship. *Oregon Humanities Journal*.

<http://oregonhumanities.org/magazine/section/bright-idea/fight-bright-idea-overthrowing-censorship>

International Federation of Interior Architects/Designers. World Interior Day. (2011, May). My image of the Jaqua Academic Center is the 2011 IFI conference poster.

Morrison, D. and I. Viel. (2010). *UO! University of Oregon's Culture & Experience Book 2010*. Blurb.com,

NPR Affiliate Radio Station KUER photographic use (2010 September).

http://www.publicbroadcasting.net/kuer/news.newsmain?action=article&ARTICLE_ID=1698779

Smithsonian Institute Website Photograph use (2010).

<http://smithsonian-webstrategy.wikispaces.com/Smithsonian+Commons+Prototype--Credits>

Wired Website image use. (2010) Chemist inch closer to stable superheavy atoms.

<http://www.wired.com/2010/10/super-heavy-element-isotopes/>

Oregon Quarterly (2010 summer) Upfront Column on Pacifica Forum- Photograph of protesters in front of Agate Hall. 89(4). <http://www.oregonquarterly.com/summer2010/upfront.php>

Inside Oregon (2010, January).

<http://insideoregon.uoregon.edu/university-opens-john-e-jaqua-academic-center-for-student-athletes/>

<http://university.kval.com/content/jaqua-center-opens>

Building Knowledge (2010, spring). Cinematic Transformation: A new Cinema Studies Lab. A publication of the University of Oregon Libraries.

Past Publications, Presentations, and Projects Prior to Becoming a Librarian

Diecchio, R. J. and D. P. Walton. (2003, November). The Falling Spring of Virginia. Poster Presentation #151.5 presented at the annual meeting of the Geological Society of America. Portland, OR.

Walton, D. P. (2003, April). Lichens and bryophytes of Virginia: A 2-day workshop on identification. Wintergreen Natural History Foundation, Wintergreen VA.

Walton, D. (2003). Use of geographical information systems (GIS) in plant conservation, Virginia Native Plant Society - Pocahontas Chapter, Richmond, VA.

Walton, D. and M. Hall. (2002). *Opheodrys aestivus* (Rough Greensnake). VA: Southampton Co., Rt. 730, ca. 2.75 km E Little Texas. *Catesbeiana* 22 (2).

Young, J., D. Walton, W. Cass and D. Hurlbert. (2002). Assessing vegetation communities in relation to environmental gradients within Shenandoah National Park.

http://www.lsc.usgs.gov/aeb/2077/shenveg02_files/frame.htm

Walton, D. (2002). Lichens and fungi of Virginia, Virginia Native Plant Society - Pocahontas Chapter, Richmond, VA.

Young, J., D. P. Walton & G. Fleming. Vegbank open access data set of 179 vegetation plots from Shenandoah National Park (VB.Py.126789.WALTON). (2001).

<http://vegbank.org/cite/VB.Ob.25617.SHNP526>

- Belden, A. Jr., D. P. Walton, and A. C. Chazal. (2001). A natural heritage inventory of Philpott Lake. Natural Heritage Technical Report 01-6. Virginia Department of Conservation and Recreation, Division of Natural Heritage, Richmond, VA. xx pp. plus appendices.
- Walton, D. P., N. E. Van Alstine, and A. C. Chazal. (2001). A natural heritage Inventory of the Back Bay National Wildlife Refuge. Natural Heritage Technical Report 01-8. Virginia Department of Conservation and Recreation, Division of Natural Heritage, Richmond, VA. 101 pp. plus appendices.
- Walton, D. P., P. P. Coulling, J. Weber, A. Belden, Jr., and A. C. Chazal. (2001). A plant community classification and natural heritage inventory of the Pamunkey River floodplain. Natural Heritage Technical Report 01-19. Virginia Department of Conservation and Recreation, Division of Natural Heritage, Richmond, Virginia. Unpublished report submitted to the U.S. Environmental Protection Agency. 200 pp. plus appendices.
- Fleming, G. P., P. P. Coulling, D. P. Walton, K. M. McCoy, and M. R. Parrish. (2001). The natural communities of Virginia: Classification of ecological community groups. First Approximation. Natural Heritage Technical Report 01-1. Virginia Department of Conservation and Recreation, Division of Natural Heritage, Richmond, VA. Unpublished report. January 2001. 76 pp.
- Walton, D. (2000, December). The impact of Phragmites on rare species and natural communities. Paper presented at Phragmites in Virginia: A Management Symposium. Virginia Department of Conservation and Recreation, Division of Natural Heritage and the Chesapeake Bay Commission.
- Walton, D. P. (1999). Field Notes: *Faranacia erythrogramma erythrogramma* (Rainbow Snake). *Catesbeiana* 19(2): 68.
- Walton, D. P. and P. P. Coulling. (1999). Field Notes: *Amphiuma means* (Two-toed Amphiuma). *Catesbeiana* 19(2): 65-66.
- Walton, D. P. (1996). Element stewardship abstract: *Liatris turgida*. Unpublished document. WV Natural Heritage Program. Elkins, WV.
- Walton, D. P. (1996). Element stewardship abstract: *Taenidia montana*. Unpublished document. WV Natural Heritage Program. Elkins, WV. 4pp.
- Walton, D. P. (1995). West Virginia shale barren data book. Unpublished report to the Nature Conservancy of West Virginia, Charleston, WV. 123pp.
- Walton, D. P. and P. J. Harmon. (1995). Shale barrens. Natural Heritage Notes No. 7. WV Div. of Natural Resources, Natural Heritage Program, Elkins, WV. 2pp.
- Abrahams, T. P., P. J. Hornby, D. P. Walton, A. M. Taveira DaSilva, and R. A. Gillis. (1991). An excitatory amino acid(s) in the ventrolateral medulla is (are) required for breathing to occur in the anesthetized cat. *J. Pharmacol. Exp. Ther.* 259(3):138-95.
- Gillis, R. A., D. P. Walton, J. A. Quest, I. J. Namath, P. Hamosh, and K. L. Dretchen. (1988). Cardiorespiratory effects produced by activation of cholinergic muscarinic receptors on the ventral surface of the medulla. *J. Pharmacol. Exp. Ther.* 247(2):765-73.

UNIVERSITY TRAINING

Supervision Course for Potential Supervisors, University of Oregon Human Resources, April-May 2008

PREVIOUS PROFESSIONAL EXPERIENCE

Field Ecologist, Virginia Natural Heritage Program, 1999-2004

Mapped and classified plant communities using multivariate statistical analysis, remote sensing, and geographic information system (GIS) analysis.

State Natural Heritage Ecologist, West Virginia Natural Heritage Program/The Nature Conservancy, 1996-1999

Supervised seasonal field staff (2), Mapped and classified plant communities using multivariate statistical analysis, remote sensing, and geographic information system (GIS) analysis.

Contract Ecologist, U.S. Forest Service, the West Virginia Division of Natural Resources, and The Nature Conservancy, 1994-1996

Collected and analyzed ecological data on rare plants and plant communities, mapped ecological land units/land type associations.

Environmental Consultant, Clement International, Fairfax, Virginia, 1992-1993

Reviewed environmental and toxicological data for the U.S. Environmental Protection Agency.

Research Associate, Institute of Neuroscience, University of Oregon, 1989-1990