

# NATHAN DICKMAN PIEPLOW

## EDUCATION

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| <i>University of Oregon, Eugene, Oregon</i>          | • Master's Degree in Education                           | 2004   |
| <i>Williams College, Williamstown, Massachusetts</i> | • Bachelor's Degree in Russian                           | 1998   |
| <i>Irkutsk State University, Irkutsk, Russia</i>     | • School for Russian and Asian Studies full-year program | 1996-7 |

## TEACHING EXPERIENCE

### WRITING AND RHETORIC

- Program for Writing and Rhetoric, University of Colorado, Boulder, Colorado* 2003-present
- WRTG 1100: Extended First-year Writing and Rhetoric
  - WRTG 1150: First-year Writing and Rhetoric
  - WRTG 1160: CMCI First-year Writing and Rhetoric
  - WRTG 1250: Advanced First-year Writing and Rhetoric
  - WRTG 3020: Topics in Writing: Comedy Writing
  - WRTG 3030: Writing on Science and Society: Writing in Scientific Genres
  - WRTG 3035: Technical Communication and Design
  - WRTG 3040: Writing on Business and Society: Business Communication
  - WRTG 3045: Writing for Emerging Workplaces
  - WRTG 3090: Topics in Writing: Storytelling in New Media
  - Writing and Rhetoric instructor, Miramonte Arts & Sciences PEAC Program summer 2015
  - Library tutorial instructor, Research Lab consultant 2003-2004

### PROGRAM ADMINISTRATION

- Program for Writing and Rhetoric*
- Student Affairs Coordinator (*in charge of addressing conflicts between faculty and students*) spring 2022 - present

### WRITING CENTER

- University of Colorado, Boulder, Colorado*
- Graduate Writing consultant, working mostly with dissertations 2013-2014
  - Writing Center consultant 2003-2012
  - Disability Services Writing Lab consultant 2003-2006
- Williams College, Williamstown, Massachusetts*
- Undergraduate Writing Center consultant 1995-1998

### ONLINE EDUCATION

- Continuing Education, University of Colorado, Boulder, Colorado* 2011-present
- WRTG 1150: First-year Writing and Rhetoric
  - WRTG 3020: Topics in Writing: Comedy Writing

### RESIDENTIAL AND EXPERIENTIAL EDUCATION

- Global Studies Residential Academic Program, University of Colorado, Boulder, Colorado*
- Interim director summer 2015, spring-summer 2016, summer 2017 & 2018
  - Associate director fall 2015 - spring 2019
  - Faculty in residence fall 2014 - summer 2018
- Japanese Exchange Program, Boulder Valley School District, Boulder, Colorado*
- Guided 8 high school students on a 6-week cultural exchange to Japan summer 2003
  - Helped organize and lead a 6-week cultural exchange for visiting students from Japan summer 2004

### ***Cheley Colorado Camps, Estes Park, Colorado***

- Backcountry program director *summers 2006-2008*
- Assistant unit director *summer 1999*
- Hiking counselor *summers 1996-1998*

## **ENGLISH AS A SECOND LANGUAGE**

### ***Springfield Middle School, Springfield, Oregon***

*5 January - 16 March 2000*

- Part-time individual ESL tutor

### ***Cottage Grove High School, Cottage Grove, Oregon***

- Student teacher, English as a Second Language (three-week teaching unit) *fall 1999*

### ***Whittier Middle School, Sioux Falls, South Dakota***

- Paraprofessional, Limited English Proficiency program *fall 1998 -spring 1999*

### ***Williams College, Williamstown, Massachusetts***

- Coordinator, Writing Center ESL tutoring program *fall 1997-spring 1998*

### ***Irkutsk, Russia***

- Privately tutored a number of Russian students in English *fall 1996-spring 1997*

## **SECOND LANGUAGE INSTRUCTION**

### ***Boulder High School, Boulder, Colorado***

*full time 2000-2003*

- Spanish I
- Spanish II
- Russian I
- Russian II

### ***Sheldon High School, Eugene, Oregon***

*27 March - 19 June 2000*

- Spanish I (full-time student teacher, 83 minutes daily)
- 9th-grade Spanish Immersion Geography (full-time student teacher, 75 minutes every other day)

### ***Springfield Middle School, Springfield, Oregon***

*5 January - 16 March 2000*

- 7th-grade Spanish (five-week teaching unit)

### ***Cottage Grove High School, Cottage Grove, Oregon***

*27 August - 8 December 1999*

- Spanish I, Spanish III/IV (part-time assistant and instructor)

## **GRANTS**

### **EDUCATIONAL RESEARCH**

***NSF award 2044384, "Integrating Content and Skills from the Humanities into Data Science Education"*** *August 2021*

- Co-PI on a three-year \$300,000 grant to assess AHUM 1825: Interdisciplinary Data Science for All

***CUNEXT grant, "Data Advocacy for All"***

*June 2022*

- Co-PI on a three-year \$300,000 grant to develop cross-disciplinary modules to teach data advocacy

***NEH award AKB-285879-22, "Humanities Core Competencies as Data Acumen"***

*August 2022*

- Co-PI on a three-year \$150,000 grant to develop new humanities courses integrated with data science

## **PUBLICATIONS**

### **BOOKS**

- *Peterson Field Guide to Bird Sounds (Eastern Region)*. Houghton Mifflin Harcourt, Boston. *March 2017*
- *Peterson Field Guide to Bird Sounds (Western Region)*. Houghton Mifflin Harcourt, Boston. *April 2019*

### **PEER-REVIEWED ARTICLES**

- Vance, E. A., Glimp, D. R., Pieplow, N. D., Garrity, J. M., & Melbourne, B. A. (2022). Integrating the humanities into data science education. *Statistics Education Research Journal*, 21(2), 18pp.

- Pieplow, N., Spencer, A., Sanchez, C., & M. Grosselet. (2020). Changes in the status and distribution of the Cinereous and Fulvous Owls in Mexico. *Western Birds* 51(3):221-227.
- Pieplow, N., & A. Spencer. (2020). Vocal differences among the Barred, Cinereous, and Fulvous Owls. *Western Birds* 51(2):122–128.
- Pieplow, N., & A. Spencer. (2019). A quantitative study of nasal bristle length in Common and Chihuahuan Ravens. *Western Birds* 50(4): 255-259.
- Pandolfino, E.R., & N. Pieplow (2015). Comparison of vocalizations of four U.S. subspecies of the White-breasted Nuthatch. *Western Birds* 46(4): 278-290.
- Pieplow, N. (2013). The flight song of Hammond's Flycatcher. *Colorado Birds* 47(3): 169-174.
- Moss, S., & N. Pieplow. (2012). The extent of hybridization between Black and Eastern Phoebes. *Colorado Birds* 46(1): 17-32.
- Pieplow, N., & C. Francis. (2011). Song differences among subspecies of Yellow-eyed Junco. *Wilson Journal of Ornithology* 123(3): 464-471.
- McCallum, A., & N. Pieplow. (2010). A reassessment of homologies in the repertoire organization of phoebes. *Western Birds* 41(1): 26-43.
- Pieplow, N., Leukering, T., & E. Coley. (2008). An apparent hybrid Black × Eastern Phoebe from Colorado. *Western Birds* 39(4): 209-219.

## EDITORSHIPS

- Editor, *Colorado Birds* (quarterly journal of popular and peer-reviewed work in field ornithology) 2006-2013

## BOOK CHAPTERS

- “Why I Love Spectrograms.” In White, L., & J. Gordon (2017). *Good Birders Still Don't Wear White*. HMH, Boston.

## BOOK REVIEWS

- Review, *Finding Birds on the Great Texas Coastal Birding Trail* Birding March/April 2009
- Review, *Birding Colorado* *Western Birds* 39:108-109 (2008)
- Review, *The Sound Approach to Birding* *Birding* September/October 2007

## POPULAR ARTICLES

- “Start Using Spectrograms to ‘Read’ Bird Songs and Calls.” Audubon.org May 2017
- Photographs, sound recordings, and status of White-fronted Swift (with 3 other authors) *Neotropical Birding* 20 2017
- “Finding Mexico’s mystery owl—Cinereous Owl *Strix (varia?) sartorii*” (with A. Spencer) *Neotropical Birding* 17 2015
- “Identifying Curve-billed Thrasher Subspecies: Why and How” (with T. Leukering) *Colorado Birds* Fall 2014
- “‘Russet-backed’ Swainson’s Thrush” (with S. Mlodinow and T. Leukering) *Colorado Birds* Apr 2013
- “Pacific and Winter Wrens” (with T. Leukering) *Colorado Birds* Oct 2010
- “Eastern and Western Marsh Wrens” (with T. Leukering) *Colorado Birds* Jan 2010
- “Lilian’s Meadowlark: A Cryptic Species (?) and a Rare Colorado Breeder” (with T. Leukering) *Colorado Birds* Jul 2009
- “Describing Bird Sounds in Words” *Birding* July/August 2007
- “South Park and the Mysteries of Scoter Migration” (with A. Spencer) *Colorado Birds* Oct 2007
- “Colorado’s Crossbill Types: 2, 4, and 5” *Colorado Birds* Jul 2007

## MULTIMEDIA

### GRAPHIC DESIGN

- Winner, ScienceWriters2020 Virtual Conference logo design competition, National Association of Science Writers 2020

## PRESENTATIONS AND SPEAKING ENGAGEMENTS

### CONFERENCE PAPERS

- Pieplow, N., and A. Spencer. The trickster ravens: a quantitative study of nasal bristle length in raven identification. Colorado Field Ornithologists’ Conference, Montrose, Colorado 2019
- Pieplow, N. On requiring gender parity in student bibliographies. Conference on College Composition and Communication (Regional Conference), University of Denver, Denver, Colorado 2018

- Pandolfino, E., and N. Pieplow. "An analysis of the vocalizations of the four U.S. subspecies of White-breasted Nuthatch." Western Field Ornithologists' Conference, Billings, Montana 2015
- Pieplow, N. "The Tone Qualities of Bird Sounds." Colorado Field Ornithologists' Conference, Grand Junction, Colorado 2011
- Pieplow, N. "Bird Sounds of Baja California." Western Field Ornithologists' Conference, San Mateo, California 2008

## MISCELLANEOUS

### VOLUNTEER WORK

- Board of Directors, Bird Conservancy of the Rockies 2018-present
- Board of Directors, Colorado Field Ornithologists 2006-2013
- Steering Committee, Colorado Birding Trail 2005-2009
- Chair, Boulder Valley School District Japanese Exchange Program 2002-2004
- Mentor to Bosnian immigrant family, Lutheran Social Services Volunteer Program, Sioux Falls, South Dakota spring 1999

### LANGUAGE SKILLS

- Spanish *advanced proficiency*
- Russian *advanced proficiency*
- Dutch *intermediate proficiency*

### SOFTWARE AND WEB SKILLS

- Microsoft Office (Word, Excel, PowerPoint) *advanced proficiency*
- Adobe Creative Suite (InDesign, Illustrator, Audition) *advanced proficiency*
- GIMP graphics editor *advanced proficiency*
- Wordpress (.org platform) *advanced proficiency*
- Raven Pro (audiospectrographic analysis software) *advanced proficiency*
- Adobe Premiere Pro *intermediate proficiency*
- HTML *basic proficiency*
- Tableau *basic proficiency*

### CERTIFICATES

*Data Storytelling Graduate Certificate, Purdue University Online* summer 2023