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Education	
B.S., Geology, University of Oregon	1993
M.S., Geology, University of Michigan	1997
Ph.D., Geology, University of Michigan	2001
Professional Experience	
The University of Oregon	
 Worked with Columbia University and the University of Oregon 	
on the Colorado Seismic Array	1992
 Research assistant for Dr. Ray Weldon 	
Geology Department, University of Oregon	1992, 1993
US Geologic Survey	
 Research Scientist and field geologist (surface water hydrology) 	1994
The University of Michigan	
Graduate Research Assistant	1995 – 2001
Graduate Teaching Assistant	1995 – 2001
 Geology Field-Camp Instructor 	1997, 1998
Paleomagnetic Laboratory manager	1997 - 2001
Bryn Mawr College	
Assistant Professor of structural geology/tectonics	2001 – 2007
Associate Professor	2007 – 2012
Professor	2012 – present
o Department Chair	2008 – present
 Marion Bridgman Slusser Professor in the Sciences 	2019 – present
Geological Society of America	

Arlo Brandon Weil

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Awards/Grants

- Outstanding Student Paper (Geomagnetism/Paleomagnetism Section) Spring AGU 2000
- Outstanding Student Paper (Tectonophysics Section) Fall AGU 2001
- NSF Academic Intern Fellowship
- University of Michigan F. Scott Turner Fellowship (1996-1999)
- IRM Visiting Research Fellowship 1999 and 2002 and 2010
- Bryn Mawr College Faculty Grant 2002, 2004, 2006, 2009
- NSF Research Grant 2004-2007 *Three-Dimensional kinematic history of the Wyoming Salient: Implications for the development of curved orogens* (\$136,466.00)
- NSF Equipment Grant 2004 Acquisition of new paleomagnetic lab equipment for Bryn Mawr College, Pennsylvania (**\$114**,446.90)
- Ministeria de Educacion y Ciencia Grant 2006– Oroclines and Delamination: Relations and Effects (\$90,743.00)
- NSF Research Grant 2010-2013 *Determining the 3D kinematic evolution of the Wyoming Laramide, implications for processes of foreland deformation (\$127,332.00)*
- UNESCO Project Grant IGCP 574 Bending and Bent Orogens, and Continental Ribbons- 5 years
- Ministeria de Educacion y Ciencia Grant 2010– Oroclines and Delamination: Relations and Effects II (ODRE) (\$136,466.00)
- Awarded Fellow of the Geological Society of America 2013
- NSF Research Grant 2014-2017 Interrelations between foreland deformation, flat-slab subduction, and crustal architecture: Integrated analysis of the Sierras Pampeanas to Cordillera of the south-central Andes (\$170,849)
- Ministeria de Educacion y Ciencia Grant 2014-2017– Oroclines and Delamination: Relations and Effects III (ODRE), with a focus on the Carpathians of eastern Europe (*\$150,000.00*)
- NSF Research Grant 2015-2018 Fold Form, Strain, and Mechanics at the Whaleback Anticline: New Approaches to a Classic Field Locality (\$150,000.00)
- Geological Society of America 2017 Outstanding Publication Award in Tectonics:
 - Yonkee, A. and Weil, A.B., 2015. Tectonic evolution of the Sevier and Laramide belts within the North American Cordillera orogenic system, Earth Science Reviews, 150, 531-593.
- The Marion Bridgman Slusser Professor in the Sciences Bryn Mawr College

Professional Societies

American Geophysical Union; Geological Society of America; Geological Society of Pennsylvania; Geologic Society of Philadelphia; Sigma XI Academic Society; European Geophysical Society

Graduate Advisors: Dr. Rob Van der Voo and Dr. Ben A. van der Pluijm (both at *The University of Michigan*)

Peer Reviewed Publications: Current H-index as of 2019 is 30.

- 1) Weil, A.B., Van der Voo, Mac Niocaill, C., and Meert, G.M., 1998. The Proterozoic supercontinent Rodinia: Paleomagnetically derived reconstructions for the 1,100 to 800 Ma interval, *Earth Planet Sci. Lett.*, 154, 13-24.
- 2) Karlstrom, Karl E., Bowring, S. A., Dehler, C.M., Knoll, A.H., Porter, S. M., Sharp, Z., Des Marais, D. J., Weil, A.B., Geissman, J. W., Elrick, M., Timmons, M. J., Keefe, K. and Crossey, L. J., 2000. The Chuar Group of the Grand Canyon: Record of break up of Rodinia, associated change in the global carbon cycle, and eukaryotic diversification by 740 Ma, *Geology*, 28, 619-622.
- 3) Parés, J.M., Perez-Gonzalez, A., **Weil, A.B**. and Arsuaga, J.L., 2000. On the Age of the Hominid Fossils at the Sima de los Huesos, Sierra de Atapuerca, Spain: Paleomagnetic Evidence, *American Journal of Physical Anthropology*, 111, 451-461.
- **4) Weil, A.B.,** Van der Voo, R., van der Pluijm, B. and Parés, J.M., 2000. The Formation of an orocline by multiphased deformation: a paleomagnetic investigation of the Cantabria-Asturias Arc Hinge-Zone (northern Spain), *Journal of Structural Geology*, *22*, 735-756.
- **5) Weil, A.B.,** Van der Voo, R. and van der Pluijm, B., 2001. New paleomagnetic data from the southern Cantabria-Asturias Arc, northern Spain: Implications for true oroclinal rotation and the final amalgamation of Pangea, *Geology*, *29*, *991-994*.
- 6) Weil, A.B. and Van der Voo, R., 2002. Insights into the mechanism for orogen related

Selected Abstracts:

- ^Ashby, J.M., Geissman, J.M. and Weil, A.B., 2001. Paleomagnetic results from the Neoproterozoic Uinta Mountain Group, Utah and Colorado, *Abstracts with Programs*, *GSA* 2001 Annual Meeting.
- Crider, G.C., Gray, M.B., Needle, M. and Weil, A.B., Enhancing scientific and educational resources at the Whaleback Anticline, Bear Valley, Pennsylvania, *Abstracts with Programs, GSA* 2017 Annual Meeting, Seattle.
- [^]Gage, J., Weil, A.W., and Pares, J., Preliminary AMS analysis of the Brevard Shear Zone, Rosman, NC, *Abstracts with Programs, GSA*

Yonkee, A. and Weil, A.B., Unraveling the early LPS-stress history of the Laramide foreland: integrating field studies of minor faults with stress inversion and AMS studies:

University of California at Santa Cruz University of California at Davis University of Florida University of Michigan – Smith Lecture Series University of Michigan – Van der Voo lecture 2023 University of Minnesota – Institute of Rock Magnetism (3) University of Nevada Reno University of Oslo, Norway University of Oklahoma University of Salamanca, Spain University of Texas at Austin (co-authored) University of Wisconsin University of Wisconsin - Structural Geology and Tectonics Forum University of Wyoming Distinguished lecture series University of Utah (co-authored) Utah State University (2) Weber State University, Utah (2) West Chester University (2) Williams College

Convened Professional Meeting Sessions

2000	-	Rock- and Paleo-Magnetism
		American Geophysical Union 2000 Spring Meeting
2001	-	Geomagnetism and Paleomagnetism
		American Geophysical Union 2001 Fall Meeting
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**2002** - Topical - Thrust Belt Curvature: Integrating Paleomagnetic and Structural Analysis *Geological Society of America 2002 National Meeting* 

2007 - New Innovations in Rock- and Paleo-Mægnfæti≰in )(14)(120) 4 (12) 92(.64) 6 (172) 4 (12) 4 (12) 4 (12) 4 #h&@decophyStaldtl2r.al-3 (a)5 (I U)3 (n)5 (io)4 (n)5 (2)-2 2 SpringAvlabySis (r4 (in)g(aly)4 (s)n01 Tw 2)-7i Tc (t)-hTc 0.003 Tw3 ( Il Socan Geophys151-3 (a)5 (I.n RU)3 (n)5 (io)4 (n)5 (2)-2 3001 Fall 0 Tw -6 -2.84eeting s

- **^Peiying Wen –** *Paleomagnetism of Laramide red beds*, Bryn Mawr Summer Science Research Program (2010).
- \$^**Jamie Kindall- AMS of Laramide deformed red beds, in completion of a senior thesis (2011).
- ****Erin Lynch** Polyphase Deformation of Precambrian Metasediments of the South Snowy Block, Beartooth Mountains, Yellowstone National Park, Wyoming and Montana, in completion of a senior thesis (2011).
- ^**Meghan Fisher Analysis of Slow Slip Triggered Tremors using Sonification and Audio Displays, in completion of a senior thesis (2011).
- \$^**David Wicks Paleomagnetism of Iberian carbonates, in completion of a senior thesis (2011).
- \$^**Mary Shultz *Rocky Mountain Tectonics Structural geology of the Wyoming Laramide*, Bryn Mawr Summer Science Research Program (2011).
- ^**Amelia Lee Zhi Yi Rocky Mountain Tectonics Paleomagnetism of the Wyoming Laramide, Bryn Mawr Summer Science Research Program (2011).
- **^Bryan Gulotta**, *Rupture propagation and slip at complex fault intersections: The San Andreas-San Jacinto-Cucamonga fault system in Cajon Pass, CA*, in completion of a senior thesis (2012).
- **^**Alina Bricker**, *Tectono-thermal Uplift History of Archean Basement Rocks in the Beartooth Mountains: Rates and Dates of a classic Laramide Arch*, in completion of a senior thesis (2012).
- \$^**Mary Shultz Early Layer-Parallel Shortening patterns along the Sweetwater Arch-Shirley Mountain Tectonic Zone of the Laramide Foreland: refraction of the regional stress field and development of multiple structural trends, in completion of a senior thesis (2012).
- **** Fern Esperanza Beetle-Moorcroft** A terrane wreck? Or just a slip up? A paleomagnetic study of terrane accretion in the western Cordillera
- \$^**Rachel Clark Seismic stratigraphy of the Shatsky Rise, Pacific Ocean.
- **Christine Newville Tectonics of the Sierra Pampeanas Ranges, Argentina.
- ^**Meg Sumner-Moore Potential health hazards of fibrous amphibole minerals from the Wilson Ridge pluton, Arizona, in completion of a senior thesis (2015).
- **Robin Chernowski** Anisotropy of Magnetic Susceptibility as a recorder of early Layer Parallel Shortening in the Sierra Pampeanas Ranges, Argentina, in completion of a senior thesis (2015).
- Helen Whitty Anisotropy of Magnetic Susceptibility as a recorder of early Layer Parallel Shortening in the Sierra Pampeanas Ranges, Argentina summer research (thesis 2018).
- **^ Helen Whitty and ** Ankitha Kannad** *Testing kinematic models of deformation sequence in the bear valley strip mine, east-central Pennsylvania: a fault kinematic and anisotropy of magnetic susceptibility (AMS) analysis*
- ** ^ Katie Billings Vertical Axis Rotation And The Kinematic Evolution Of The Pennsylvania Salient: