

Katherine Marriott | Lecturer, Author, Illustrator, and Researcher

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Adjunct lecturer in Earth and Environmental Sciences committed to dismantling the ways that privilege disparities operate in academia. Lead Author & Illustrator of *Evolution of the Ammonoids* (2023, CRC Press). Special Mention Finalist in the 2018 International Award on Scientific Illustration. Researcher with over 20 papers in paleontology and responses of species to climate change and other cataclysms.

Education

Master of Science 2021

Brooklyn College, CUNY

Earth and Environmental Sciences

Bachelor of Arts 2017

SUNY New Paltz

Visual Arts, Minor Geology

Teaching Positions

Brooklyn College, CUNY 2021-

Adjunct Lecturer, Earth and Env. Science

SUNY New Paltz

Tutor, Invertebrate Paleontology lab 2017

TA, Invertebrate Paleontology lab 2016

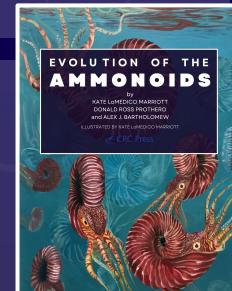
Books (coauthor/illustrator)

Marriott, K., Prothero, D.R., and Bartholomew, A., (2022), *Evolution of the Ammonoids*. CRC Press /Taylor and Francis Publishing Group.

Marriott, K., and LaVine, R.J., (in prep.) *Evolution of the Arachnomorphs*.

Book (Illustrations only)

Prothero, D.R., with illustrations by Marriott, K., (in prep.), *California's Amazing Geology*. (2nd Edition). CRC Press /Taylor and Francis Publishing Group.

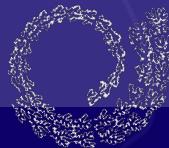


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Publications

1. Marriott, K., and Chamberlain, J.A., 2021, Uses for incomplete ammonite sutures: lateral lobe and second saddle as markers of sutural complexity. *Geosciences* v. 11, no. 11, 476. <https://doi.org/10.3390/geosciences11110476>
2. Prothero, D.R., Domning, D., Foss, S., Holbrook, L., Lucas, S., Marriott, K., Naish, D., Padian, K., Rössner, G., Spaulding, M., Theodor, J., and Uhen, M., 2021, On the unnecessary and misleading taxon 'Cetartiodactyla.' *Journal of Mammalian Evolution*. <https://doi.org/10.1007/s10914-021-09572->

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3. Marriott, K., 2021, Francis Lee's Ammonite: The Biopic Anning Deserved? Misrepresentation of Marginalized Women in Geology. *Fossil News: The Journal of Avocational Paleontology*, v. 24, no. 1, 26-27.
4. Marriott, K., 2022, Reconstructing ammonoid soft parts: Western-Interior Seaway *Didymoceras. A Tribute to U.S. Geological Survey Geologist and Paleontologist W.A. Cobban (1916-2015): American Association of Petroleum Geologists Bulletin*.
5. Marriott, K., Prothero, D.R., 2022, Variability of the horns of pronghorns (Mammalia: Artiodactyla: Antilocapridae): Implications for pronghorn systematics. *Bulletin of the New Mexico Museum of Natural History*.
6. Marriott, K., 2021, Correlative tomography of an exceptionally preserved Jurassic ammonite implies hyponome-propelled swimming: tie points and viscous fingering models for ammonite septal formation: COMMENT, v. 50, no. 4, *Geology*. <https://doi.org/10.1130/G49930C.1>
7. Marriott, K., Olson, S., Balassa, D., Cleaveland, C., Watmore, K.I., LaVine, R.J., Olson, R., and Prothero, D.R., 2022, Ontogenetic Trends of Sutural Complexity in Jurassic Ammonites. *Geosciences*, v. 12, no 2. <https://doi.org/10.3390/geosciences12020066>
8. Olson, S., White, R.S., Prothero, D.R., Balassa, D., Marriott, K., and Syverson, V.J.P., 2022, Ontogenetic Growth in the Pleistocene Pronghorn Stockoceros from San Josecito Cave, Mexico. *Bulletin of the New Mexico Museum of Natural History*.
9. Balassa, D., Prothero, D.R., Cleaveland, C., and Marriott, K., 2022, How did white-tailed deer respond to the Pleistocene-Holocene Transition? *Bulletin of the New Mexico Museum of Natural History*.
10. Balassa, D., Marriott, K., S. Olson, DeAnda, E.E., Syverson, V.J.P., and Prothero, D.R. 2022, Did Pronghorns Become Smaller After the Ice Ages? *Bulletin of the New Mexico Museum of Natural History*.
11. Marriott, K., 2022, Lateral data normalizations for partial goniatic and ceratitic sutures. *Bulletin of the New Mexico Museum of Natural History*.
12. Marriott, K., 2022, Morphometric consistency of unconverted data from Lateral Lobes in ammonoid sutures. *Bulletin of the New Mexico Museum of Natural History*.
13. Olson, S., White, R.S., Prothero, D.R., Balassa, D., Marriott, K., and Syverson, V.J.P., 2022, Allometric growth in the Pleistocene pronghorn Stockoceros from San Josecito Cave, Mexico. *Bulletin of the New Mexico Museum of Natural History*.

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14. De Anda, E.E., Prothero, D.R., and Marriott, K.L., 2022, Evolutionary response to climate change of the extinct Grinnell's Eagle (*Spizaetus grinelli*) from La Brea tar pits. *Bulletin of the New Mexico Museum of Natural History*.
15. Santos, S., Prothero, D.R., and K.L. Marriott. 2022, How does climate effect bird evolution? Morphological response of the extinct Chicken Hawk (*Buteogallus fragilis*) from La Brea tar pits. *Bulletin of the New Mexico Museum of Natural History*.
16. Marriott, K.L., Prothero, D.R., and Watmore, K.I., 2022, Evolutionary stasis in La Brea harriers (*Circus cyaneus*) over the last glacial-interglacial cycle. *Bulletin of the New Mexico Museum of Natural History*.
17. Marriott, K., and Prothero, D.R., 2022, Systematics of nothokemadid camels. (Mammalia: Artiodactyla: Camelidae). *Bulletin of the New Mexico Museum of Natural History*.

Paper in Revision

1. Johnson, R.O., Marriott, K., and Ward P.D., Survival Mechanisms Common in All Early Cenozoic Ammonites.

"In preparation" papers are not included in this CV.

Monograph (in preparation)

Stevens, M.S., Prothero, D.R., Welsh, E., Balassa, D., Htun, T., Marriott, K.L., and Olson, S., "Systematics of the Miocene Oreodonts (Artiodactyla: Merycoidodontidae)." *Bulletin of the New Mexico Museum of Natural History*. (in preparation.)

Monograph (illustrations only)

Prothero, D.R., (2021). The Systematics of North American Peccaries: Mammalia: Artiodactyla: Tayassuidae. *Bulletin of the New Mexico Museum of Natural History*.



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Talks *as presenter

1. Marriott, K., (2022, contracted). CUNY Science-Art Collaborations. May 2022.
2. *Marriott, K., (2021). Doing Justice to the Incredible Biodiversity of Ammonites: Mathematical and Visual Perspectives. Pal(a)eoPERCS.
3. *Marriott, K., and Chamberlain, J.A., (2021). Extrapolating Ammonite Hemisuture Analysis from Partial (Lateral) Suture Components. Progressive Palaeontology, Palaeontological Association 2021 at University College London.
4. Olson, S., White, R.S., Prothero, D.R., Balassa, D., Marriott, K., and Syverson, V.J.P. (2021). Ontogenetic Growth in the Pleistocene Pronghorn Stockoceros from San Josecito Cave, Mexico. Society of Vertebrate Paleontology Annual Meeting.
5. *Marriott, K. (2020). Sedimentological and Morphological Basis for Probable Life Appearance of Nostoceratid Heteromorph Ammonoids. Progressive Palaeontology 2020, Palaeontological Association at University of Leeds, Yorkshire Museum.

Conference posters *as presenter

1. *Marriott, K., and Chamberlain, J.A., (2021). Extrapolating Incomplete Ammonite Sutures in the Fractal Step Method. Geological Society of America Annual Meeting, Portland, Oregon.
2. Olson, S., White, R.S., Prothero, D.R., Balassa, D., Marriott, K., and Syverson, V.J.P. (2021). Ontogenetic Growth in the Pleistocene Pronghorn Stockoceros from San Josecito Cave, Mexico. Geological Society of America Annual Meeting, Portland, Oregon.
3. Balassa, D., Prothero, D.R., Olson, S., and Marriott, K. (2021). Did Pronghorns Become Smaller After the Ice Ages? Geological Society of America Annual Meeting, Portland, Oregon.
4. *Marriott, K. (2020). A New Approach to the Step Method for Fractal Ontogenies. Palaeontological Association 2020 Annual Meeting.
5. *Marriott, K. (2020). Applying Morphological Evidence from Exceptionally-Preserved Heteromorph Ammonoids to Reconstruct Life Appearance and Biodiversity. GSA Connects 2020.
6. Nolte, K., Bylott, C., Marriott, K., Bartholomew, A., Mass, S., and Haselton, A. (2014). Assessing 3D Technology for Morphometric Research. SUNY New Paltz Student Research Symposium.

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Honors and Awards

1. The Ocean Artists Society, Inducted
WYLAND Worldwide, Irvine, California 2020
2. Illustraciencia: The International Award on Scientific Illustration
Special Mention Finalist
Spanish National Museum of Natural Sciences
Catalan Association for Science Communication 2018

Paleoart Exhibitions

University of Málaga	2020
Greenpoint Gallery	2019
Solo Exhibition: CUNY LaGuardia	2019
Astro Gallery of Gems	2019
Spanish National Museum	2018
SUNY New Paltz Science Hall	2017-
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SUNY New Paltz Science Hall	2016
Warren Wilson College	2017
Cave House Museum	2016-



Service to Earth and Environmental Sciences

Skype-a-Scientist Zoom Assemblies	2020-
Founder and Co-Chair, Society of Invertebrate Paleoartists	2021
SUNY New Paltz Geology Department Logo	2020
PRI Katherine Palmer Award Nomination	2019
SUNY New Paltz Geology Club Fundraising	2016-2020
Cave House Museum of Mining and Geology	2016-2017

