*Who Gives a Poop?*

Works Cited

VonHoldt, Bridget M. “Coyote Sample.” 16 Mar. 2017. Primary Investigator, Canine Ancestry Project, Princeton University

“Sequencing Reveals Mixed Ancestry for Wolves.” *YouTube*, American Association for the Advancement of Science, 27 July 2016, www.youtube.com/watch?v=gWYFO6n22yo&feature=youtu.be.

Jenkins, Eileen K., et al. “When the Nose Doesn’t Know: Canine Olfactory Function Associated With Health, Management, and Potential Links to Microbiota.” *Frontiers in Veterinary Science*, vol. 5, 29 Mar. 2018, doi:10.3389/fvets.2018.00056. https://www.frontiersin.org/articles/10.3389/fvets.2018.00056/full

Mainland, Joel D, et al. “Human Olfactory Receptor Responses to Odorants.” *Scientific Data*, vol. 2, 2015, p. 150002., doi:10.1038/sdata.2015.2. https://www.nature.com/articles/sdata20152.pdf

Gallagher, Ashley. “Tough Teeth and Parrotfish Poop.” *Tough Teeth and Parrotfish Poop*, Smithsonian National Museum of Natural History, 7 May 2018, ocean.si.edu/ocean-life/fish/tough-teeth-and-parrotfish-poop.

Sun, Catherine. “When You Have Your Hands Full with a Bear Cub but Dont Want to Put the Precious Samples down, They Go in Your Mouth #Sciencepoop #Dedication Pic.twitter.com/zjzO0A2IFj.” *Twitter*, Twitter, 3 Feb. 2017, twitter.com/catsunbear/status/827574786687635456.

Mattoni, Camilo I., et al. “Scorpion Sheds ‘Tail’ to Escape: Consequences and Implications of Autotomy in Scorpions (Buthidae: Ananteris).” *Plos One*, vol. 10, no. 1, 2015, doi:10.1371/journal.pone.0116639. https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0116639

“Invertebrates.” *Gopher Tortoise Commensals*, Florida Fish and Wildlife Conservation Commission, myfwc.com/wildlifehabitats/wildlife/gopher-tortoise/commensals/invertebrates/.

“Gopher Tortoise (Gopherus Polyphemus).” *North Florida Ecological Services Office*, U S Fish and Wildlife Service, 7 Feb. 2018, www.fws.gov/northflorida/gophertortoise/gopher\_tortoise\_fact\_sheet.html.

Landete-Castillejos, Tomas, et al. “Analysis of Antler Composition and Mechanical Properties Reveal Key Micro-Minerals for Deer.” *Deer Nutrition and Feeding*, 30 Mar. 2016, pp. 22–29., hdl.handle.net/10261/175561.

Montgomery, Heather L, and Casey McFarland. “Wildlife Sign.” 29 Oct. 2018.

Duncan, R. Scott. “Biodiversity in Alabama.” *Encyclopedia of Alabama*, 12 June 2013, www.encyclopediaofalabama.org/article/h-3462.

“Rabies.” *Mayo Clinic*, Mayo Foundation for Medical Education and Research, 4 Nov. 2016, www.mayoclinic.org/diseases-conditions/rabies/diagnosis-treatment/drc-20351826.

“How Is Rabies Transmitted? | Transmission | CDC.” *Centers for Disease Control and Prevention*, Centers for Disease Control and Prevention, 2019, www.cdc.gov/rabies/transmission/index.html?CDC\_AA\_refVal=https%3A%2F%2Fwww.cdc.gov%2Frabies%2Ftransmission%2Fexposure.html.

Foreman, Alison. “In a Glamorous Turn of Events, Polar Bears Are Pooping Glitter to Fight off Extinction.” *Mashable*, Mashable, 2 Mar. 2019, mashable.com/article/polar-bear-glitter-poop-cincinnati-zoo/.

Land, Michael. “Evolution of Eyes.” *Encyclopædia Britannica*, Encyclopædia Britannica, Inc., 26 July 2019, [www.britannica.com/science/photoreception/Evolution-of-eyes](http://www.britannica.com/science/photoreception/Evolution-of-eyes).

“Woman's Story Goes Viral Following Moose Poop Peddling Pitch.” KSAT 12, 28 Sept. 2018, www.youtube.com/watch?v=Y2hOZEGa3I8.

RMIT University. “From Toilet to Brickyard: Recycling Biosolids to Make Sustainable Bricks.” *Phys.org*, Phys.org, 22 Jan. 2019, phys.org/news/2019-01-toilet-brickyard-recycling-biosolids-sustainable.html.

Abrahams, Marc. “Researcher Invents Weapons of Waste Destruction.” *The Guardian*, Guardian News and Media, 3 Sept. 2012, www.theguardian.com/education/2012/sep/03/improbable-research-waste-weapon-system.

Frydenborg, Kay. *A Dog in the Cave: Coevolution and the Wolves Who Made Us Human*. Houghton Mifflin Harcourt, 2017. Page 17

Davis, Tessa. “We Finally Answered the Burning Question.” *Twitter*, 23 Nov. 2018, twitter.com/TessaRDavis/status/1065944846794440704/photo/1.

Tagg, Andrew, et al. “Everything Is Awesome: Don't Forget the Lego.” *Journal of Paediatrics and Child Health*, 22 Nov. 2018. *Wiley Online Library*, doi:10.1111/jpc.14309.

“Ig Nobel Prizes.” *Improbable Research*, 1 July 2019, www.improbable.com/ig-about/.

Morris, Zoë Slote, et al. “The Answer Is 17 Years, What Is the Question: Understanding Time Lags in Translational Research.” *Journal of the Royal Society of Medicine*, vol. 104, no. 12, 2011, pp. 510–520., doi:10.1258/jrsm.2011.110180. https://journals.sagepub.com/doi/full/10.1258/jrsm.2011.110180

Pinter, Jacob. “What To Do About The Poo Choo-Choo? Alabama Town Deals With A Smelly Situation.” *NPR*, NPR, 7 Apr. 2018, www.npr.org/sections/thetwo-way/2018/04/07/600540644/what-to-do-about-the-poo-choo-choo-alabama-town-deals-with-a-smelly-situation.

Hickman, Matt. “How a Poop-Filled Train from NYC Wound up in Rural Alabama.” *MNN*, Mother Nature Network, 26 Apr. 2018, www.mnn.com/lifestyle/responsible-living/blogs/how-poop-filled-train-nyc-ended-rural-alabama.

Montgomery, Heather L, and Ray Madison. “Poop Train.” 4 Apr. 2018.

Montgomery, Heather L, and Heather Hall. “Poop Train.” 4 Apr. 2018.

“Fact Checking?” Received by Heather L Montgomery, and Heather Hall, *Fact Checking?*, 6 July 2019.

Hickman, Matt. “How a Poop-Filled Train from NYC Wound up in Rural Alabama.” *MNN*, Mother Nature Network, 26 Apr. 2018, www.mnn.com/lifestyle/responsible-living/blogs/how-poop-filled-train-nyc-ended-rural-alabama.

Barron, James. “New York City’s Population Hits a Record 8.6 Million.” *The New York Times*, 22 Mar. 2018, www.nytimes.com/2018/03/22/nyregion/new-york-city-population.html.

“NS State Facts.” *Norfolk Southern*, www.nscorp.com/content/nscorp/en/about-ns/ns-state-facts.html.

“Big Sky Environmental.” *Big Sky Environmental*, www.bigskyenv.com/.

The National Atlas of the United States of America. “Map Layer Info.” *Cities and Towns of the United States*, US Geological Survey, 6 Feb. 2017, nationalmap.gov/small\_scale/mld/1cities.html.

“Countries in the World:” *Worldometers*, www.worldometers.info/geography/how-many-countries-are-there-in-the-world/.

“Cholera's Seven Pandemics | CBC News.” *CBCnews*, CBC/Radio Canada, 22 Oct. 2010, www.cbc.ca/news/technology/cholera-s-seven-pandemics-1.758504.

“Norovirus | Burden of Norovirus Illness in the U.S. | CDC.” *Centers for Disease Control and Prevention*, Centers for Disease Control and Prevention, 1 June 2018, www.cdc.gov/norovirus/trends-outbreaks/burden-US.html.

“Global Diarrhea Burden | Global Water, Sanitation and Hygiene | Healthy Water | CDC.” *Centers for Disease Control and Prevention*, Centers for Disease Control and Prevention, 15 Dec. 2015, www.cdc.gov/healthywater/global/diarrhea-burden.html.

Vining, Linda. “Life Cycle of a Roly Poly.” *Sciencing*, 2 Mar. 2019, sciencing.com/life-cycle-roly-poly-8517270.html.

Lund, Nicholas. “The Shoebill: Or, the Most Terrifying Bird in the World.” *Audubon*, 10 Aug. 2016, www.audubon.org/news/the-shoebill-or-most-terrifying-bird-world.

Eisner, Thomas. *For Love of Insects*. The Belknap Press of Harvard University Press, 2005. Page 126

Langley, Liz. “Weird and Fascinating Ways Animals Use Poop.” *National Geographic*, National Geographic Society, 4 Feb. 2017, news.nationalgeographic.com/2017/02/dung-beetles-feces-poop-recycling/

Earth, BBC, director. *Incredible "Toilet" Plant*. Performance by David Attenborough, *YouTube*, YouTube, 9 Aug. 2013, www.youtube.com/watch?v=TwL7K\_loRjM.

Oregon State University. “Great Scat! Bears -- Not Birds -- Are the Chief Seed Dispersers in Alaska.” *ScienceDaily*, ScienceDaily, 16 Jan. 2018, www.sciencedaily.com/releases/2018/01/180116131259.htm?utm\_source=feedburner&utm\_medium=email&utm\_campaign=Feed%3A%2Bsciencedaily%2Fplants\_animals%2B%28Plants%2B%26%2BAnimals%2BNews%2B--%2BScienceDaily%29.

Weisberger, Mindy. “How Much Do You Poop in Your Lifetime?” *LiveScience*, Purch, 21 Mar. 2018, www.livescience.com/61966-how-much-you-poop-in-lifetime.html.

Montgomery, Heather L, and Daniella Chusyd. “Dog Training.” 21 July 2018.

Njeru, Gitonga. “Don't Pooh-Pooh It: Making Paper from Elephant Dung.” *BBC News*, BBC, 5 May 2016, www.bbc.com/news/business-36162953.

Chusyd, Daniella. “Anthropogenic Related Stress on Reproduction in African Forest Elephants (Loxodonta Africana Cyclotis).” Indiana University-Bloomington, Indiana.

Baird, Bonnie Ann. “Ambassador Animal Welfare: Using Behavioral and Physiological Indicators to Assess the Well-Being of Animals Used for Education Programs in Zoos.” *Case Western Reserve University*, 2018. https://etd.ohiolink.edu/!etd.send\_file?accession=case1522956181121788&disposition=inline

Mcdonald, Monica, et al. “Behavioral Responses to the Introduction of Immature Members to a Previously Established Bachelor Group of Western Lowland Gorillas (Gorilla Gorilla Gorilla).” *American Association of Physical Anthropologists*, Apr. 2018.

Bone, Kerry. “2 - Principles of Herbal Pharmacology.” *Principles and Practice of Phytotherapy (Second Edition) Modern Herbal Medicine*, edited by Simon Mills, 2nd ed., Churchill Livingstone, 2AD, pp. 17–58. https://www.sciencedirect.com/topics/biochemistry-genetics-and-molecular-biology/tannins

Maisels, Fiona, et al. “Devastating Decline of Forest Elephants in Central Africa.” *PLoS ONE*, vol. 8, no. 3, 2013, doi:10.1371/journal.pone.0059469.

Savedge, Jenn. “Yes, Baby Elephants Do Suck Their Trunks.” *MNN*, Mother Nature Network, 19 July 2018, www.mnn.com/earth-matters/animals/blogs/yes-baby-elephants-do-suck-their-trunks.

Wasser, Samuel K., et al. “Combating Transnational Organized Crime by Linking Multiple Large Ivory Seizures to the Same Dealer.” *Science Advances*, vol. 4, no. 9, 19 Sept. 2018, doi:10.1126/sciadv.aat0625.

Rosen, Rebecca J. “What Is It About an Elephant's Tusks That Make Them So Valuable?” *The Atlantic*, 6 Sept. 2012, www.theatlantic.com/business/archive/2012/09/what-is-it-about-an-elephants-tusks-that-make-them-so-valuable/262021/.

Armstrong, Franette. “The Truth About Tusks.” *The Dodo*, The Dodo, 30 July 2014, www.thedodo.com/the-truth-about-tusks-648225506.html.

Rosen, Rebecca J. “What Is It About an Elephant's Tusks That Make Them So Valuable?” *The Atlantic*, 6 Sept. 2012, www.theatlantic.com/business/archive/2012/09/what-is-it-about-an-elephants-tusks-that-make-them-so-valuable/262021/.

Hiroshima University. “Well-Wrapped Feces Allow Lobsters to Eat Jellyfish Stingers without Injury.” *EurekAlert!*, 25 Aug. 2016, www.eurekalert.org/pub\_releases/2016-08/hu-wfa082316.php.

“Elephant Ivory Tracking.” *Center for Conservation Biology*, University of Washington, conservationbiology.uw.edu/research-programs/elephant-ivory-tracking/.

Wasser, Samuel K., et al. “Combating Transnational Organized Crime by Linking Multiple Large Ivory Seizures to the Same Dealer.” *Science Advances*, vol. 4, no. 9, 19 Sept. 2018, doi:10.1126/sciadv.aat0625.

“USAID Tech Challenge.” *Center for Conservation Biology*, conservationbiology.uw.edu/usaid-tech-challenge/.

Montgomery, Heather L, and Hyeon Jeong Kim. “Pangolin Poo.” 28 Sept. 2018. PhD Student University of Washington.

Pappin, Sarah. “25 Facts About Pangolins!” *WORLD PANGOLIN DAY*, 18 Feb. 2013, www.pangolins.org/2012/02/18/25-facts-about-pangolins/.

“Indian - Coat of Scale Armour.” *Royal Collection Trust*, www.rct.uk/collection/38059/coat-of-scale-armour.

“Skye.” *Center for Conservation Biology*, www.washington.edu/conservationbiology/conservation-canines/meet-the-dogs/retired-conservation-canines/20170322\_095330/.

“Athena.” *Center for Conservation Biology*, www.washington.edu/conservationbiology/conservation-canines/meet-the-dogs/retired-conservation-canines/athena-new-web/.

Montgomery, Heather L, and Jennifer Hartman. “Conservation Canines and Pangolin.” 19 Oct. 2018. Conservation Canines Handler.

“Do We Take Minerals For Granted?” *Do We Take Minerals For Granted?*, United States Geologic Survey, www.usgs.gov/energy-and-minerals/mineral-resources-program/science/do-we-take-minerals-granted?qt-science\_center\_objects=0#qt-science\_center\_objects.

“Pangolins and Poo.” Received by Heather L Montgomery, and Hyeon Jeong Kim, *Pangolins and Poo*, 1 May 2019.

Montgomery, Heather L, and Brian Harper. “Lamps.” 16 Aug. 2018. Gasketeer, Transition Malvern Hills.

Harper, Brian M., et al. “Hydrogen-Fire Detection Using Thermal Imaging and Its Application to Space Launch Vehicles.” *Search the World's Largest Collection of Optics and Photonics Applied Research.*, International Society for Optics and Photonics, 1 Mar. 1990, www.spiedigitallibrary.org/conference-proceedings-of-spie/1313/0000/Hydrogen-fire-detection-using-thermal-imaging-and-its-application-to/10.1117/12.21955.short?SSO=1.

“Yogic Mantra Energized Cow Dung Cake For Puja Incense (4 Pcs Gobar Kanda Large 4 Inches) Pure, Natural For Meditation Hindu Holy Pooja Ceremony Havan Samagri Navratri Durga Pooja Plants Manure Compost.” *Amazon*, Amazon, www.amazon.com/Yogic-Mantra-Energized-Meditation-Ceremony/dp/B07NL6NT2V/ref=sr\_1\_5?keywords=cow%2Bdung&qid=1562769973&s=gateway&sr=8-5.

AtomicSchool. *Chemistry Tutorial on Chemical Reactions: How Plants Make Cellulose*. *YouTube*, YouTube, 28 Nov. 2015, www.youtube.com/watch?v=y6gPQoO9Q4I.

“Nutrition Calculator & Information | McDonald's Canada.” *McDonald's: Burgers, Fries & More. Quality Ingredients.*, www.mcdonalds.com/ca/en-ca/about-our-food/nutrition-calculator.html.

Miller, Naomi F., and Tristine L. Smart. “Intentional Burning of Dung as Fuel: A Mechanism for the Incorporstion of Charred Seeds Into the Archaeological Record.” *Journal of Ethnobiology*, vol. 4, no. 1, May 1984, pp. 15–28., repository.upenn.edu/penn\_museum\_papers/50. Page 16.

Bills-Geddes, Gary. “Did CS Lewis Find Narnia in Malvern?” *Worcester News*, 30 Dec. 2015, www.worcesternews.co.uk/news/14173927.did-cs-lewis-find-narnia-in-malvern/.

Freinkel, Susan. “The Poop Problem: What To Do With 10 Million Tons of Dog Waste (Op-Ed).” *LiveScience*, Purch, 10 Apr. 2014, www.livescience.com/44732-eliminating-pet-poop-pollution.html.

Fleming, Nic. “From Stools to Fuels: the Street Lamp That Runs on Dog Do.” *The Guardian*, 1 Jan. 2018, www.theguardian.com/environment/2018/jan/01/stools-to-fuels-street-lamp-runs-on-dog-poo-bio-energy-waste-.

“Got Guts?” *SciStarter*, scistarter.org/got-guts.

“About.” *Got Guts?*, gotguts.org/about/.

Montgomery, Heather L, and Erin McKenny. “Got Guts.” 2 Nov. 2019. Microbial Ecologist, North Carolina State University

Winkler, Sarah. “Why Do Lemurs Live Only in Madagascar?” *HowStuffWorks*, HowStuffWorks, 9 Dec. 2008, animals.howstuffworks.com/mammals/lemurs-live-in-madagascar2.htm.

Winkler, Sarah. “Why Do Lemurs Live Only in Madagascar?” *HowStuffWorks*, HowStuffWorks, 9 Dec. 2008, animals.howstuffworks.com/mammals/lemurs-live-in-madagascar1.htm.

Hewitt, David G. *Biology and Management of White-Tailed Deer*. Taylor & Francis, 2011.

Gibbens, Sarah. “Big-Eyed, Fluffy-Tailed Lemur Species Discovered.” *National Geographic*, National Geographic Society, 12 Jan. 2018, news.nationalgeographic.com/2018/01/new-groves-dwarf-lemur-species-madagascar-spd/.

Eschner, Kat. “This Man's Gunshot Wound Gave Scientists a Window Into Digestion.” *Smithsonian.com*, Smithsonian Institution, 6 June 2017, www.smithsonianmag.com/smart-news/grisly-story-human-guinea-pig-alexis-st-martin-180963520/.

Montgomery, Heather L, and Erin McKenny. “Body Diving.” 14 May 2019.

Mancuso, Vinnie. “Why Bear Grylls Thinks You Should Hold Your Own Poop.” *Men's Health*, 19 Mar. 2018, www.menshealth.com/entertainment/a19459090/bear-grylls-interview-how-to-survive/#location-choice.

“Bear Grylls Made Everyone Drinkg Boiled Elephant Poo on Mission Survive (of Course He Did).” *Irish Examiner*, 24 Mar. 2016, www.irishexaminer.com/breakingnews/entertainment/bear-grylls-made-everyone-drink-boiled-elephant-poo-on-mission-survive-of-course-he-did-726754.html.

Montgomery, Heather L, and Ari Grinspan. “Fecal Microbiota Transplants.” 4 Oct. 2018.

Kirkpatrick, Noel. “Butt-Breathing Turtle That Can Stay Underwater for 72 Hours Is Endangered.” *MNN*, Mother Nature Network, 17 Apr. 2018, www.mnn.com/earth-matters/animals/blogs/butt-breathing-mary-river-turtle-australia-endangered.

Bowen, Richard. “Vitamin K.” *Vivo Pathophysiology*, Colorado State University, www.vivo.colostate.edu/hbooks/pathphys/topics/vitamink.html.

“NIH Human Microbiome Project Defines Normal Bacterial Makeup of the Body.” *National Institutes of Health*, U.S. Department of Health and Human Services, 31 Aug. 2015, www.nih.gov/news-events/news-releases/nih-human-microbiome-project-defines-normal-bacterial-makeup-body.

“Blue Poop: Causes and When to See a Doctor.” *Healthline*, Healthline Media, www.healthline.com/health/blue-poop#causes.

Salisbury, David. “These Days, Fecal Transplantation Is No Joke.” *Vanderbilt University*, Vanderbilt University, 12 July 1970, news.vanderbilt.edu/2016/07/12/these-days-fecal-transplantation-is-no-joke/.

Brunner, Stephanie. “Botulism: Symptoms, Causes, Prevention, and Sources.” *Medical News Today*, MediLexicon International, 24 Jan. 2018, www.medicalnewstoday.com/articles/173943.php.

“Tetanus.” *Mayo Clinic*, Mayo Foundation for Medical Education and Research, 22 Feb. 2019, www.mayoclinic.org/diseases-conditions/tetanus/symptoms-causes/syc-20351625.

“Gangrene.” *Mayo Clinic*, Mayo Foundation for Medical Education and Research, 13 July 2017, www.mayoclinic.org/diseases-conditions/gangrene/symptoms-causes/syc-20352567.

McKenna, Maryn. “Why Would Anyone Get a Fecal Transplant? Watch a Brother and Sister Explain.” *National Geographic*, 22 June 2015, [www.nationalgeographic.com/science/phenomena/2015/06/22/fmt-film/](http://www.nationalgeographic.com/science/phenomena/2015/06/22/fmt-film/).

Montgomery, Heather L, and Lauren Giuntini. “Fecal Transplant.” 6 June 2018.

Baraniuk, Chris. “Antibiotic Resistance Genes Are Showing up in Antarctic Penguins.” *New Scientist*, 15 Nov. 2018, www.newscientist.com/article/2185408-antibiotic-resistance-genes-are-showing-up-in-antarctic-penguins/.

Klein, Joanna. “Antibiotic Resistance Among Wildlife.” *The Scientist Magazine®*, LabX Media Group, 11 Dec. 2014, www.the-scientist.com/news-opinion/antibiotic-resistance-among-wildlife-36224.

Thaller, Maria Cristina, et al. “Tracking Acquired Antibiotic Resistance in Commensal Bacteria of Galápagos Land Iguanas: No Man, No Resistance.” *PLoS ONE*, vol. 5, no. 2, 1 Feb. 2010, doi:10.1371/journal.pone.0008989.

Center for Food Safety and Applied Nutrition. “Food Defect Levels Handbook.” *U.S. Food and Drug Administration*, FDA, 7 Sept. 2018, www.fda.gov/food/ingredients-additives-gras-packaging-guidance-documents-regulatory-information/food-defect-levels-handbook.

McKenna, Maryn. “Why Would Anyone Get a Fecal Transplant? Watch a Brother and Sister Explain.” *National Geographic*, 22 June 2015, www.nationalgeographic.com/science/phenomena/2015/06/22/fmt-film/.

Quigley, Eamonn M.m., editor. “Fecal Microbiota Transplantation.” *The Gut Microbiome, Gastroenterology Clinics of North America*, vol. 46, no. 1, 2017, p. i., doi:10.1016/s0889-8553(17)30003-1. https://books.google.com/books?id=U-gcDgAAQBAJ&pg=PT182&dq=Dongjin+Dynasty)&hl=en&sa=X&ved=0ahUKEwi1oY3jrPHiAhXJneAKHUuTAkIQ6AEIOTAD#v=onepage&q=Dongjin%20Dynasty)&f=false

DeSalle, Rob. *Welcome to the Microbiome: Getting to Know the Trillions of Bacteria and Other Microbes in, on, and Around You*. Yale University Press, 2017. https://books.google.com/books?id=WCDYCgAAQBAJ&pg=PT138&dq=Bacillus+subtilis+german+camel&hl=en&sa=X&ved=0ahUKEwiAs6S\_r\_HiAhWmTt8KHcwlDhsQ6AEIKjAA#v=onepage&q=Bacillus%20subtilis%20german%20camel&f=false

Montgomery, Heather L, and Wendy Rosenbeck. “Poop Tales.” 19 Jan. 2018.

Gertz, Emily. “Scientist Gives Himself Fecal Transplant To Try A Hunter-Gatherer's Microbiome.” *Popular Science*, 1 Oct. 2014, www.popsci.com/article/science/scientist-gives-himself-fecal-transplant-try-hunter-gatherers-microbiome/.

Glauser, W. “Risk and Rewards of Fecal Transplants.” *Canadian Medical Association Journal*, vol. 183, no. 5, 28 Mar. 2011, pp. 541–542., doi:10.1503/cmaj.109-3806.

Falkow, Stanley. “Fecal Transplants in the ‘Good Old Days.’” *Small Things Considered*, American Society for Microbiology, 13 May 2013, schaechter.asmblog.org/schaechter/2013/05/fecal-transplants-in-the-good-old-days.html.

Luiggi, Christina. “Same Poop, Different Gut.” *The Scientist Magazine®*, 3 Nov. 2010, www.the-scientist.com/daily-news/same-poop-different-gut-42980.

Nood, Els Van, et al. “Duodenal Infusion of Donor Feces for Recurrent Clostridium Difficile.” *New England Journal of Medicine*, vol. 368, no. 5, 2013, pp. 407–415., doi:10.1056/nejmoa1205037.

Center for Biologics Evaluation and Research. “Safety Communication on Use of FMT and MDROs.” *U.S. Food and Drug Administration*, FDA, 13 June 2019, www.fda.gov/vaccines-blood-biologics/safety-availability-biologics/important-safety-alert-regarding-use-fecal-microbiota-transplantation-and-risk-serious-adverse.

Wilson, Brooke C., et al. “The Super-Donor Phenomenon in Fecal Microbiota Transplantation.” *Frontiers in Cellular and Infection Microbiology*, vol. 9, 21 Jan. 2019, doi:10.3389/fcimb.2019.00002.

News, WGBH, director. *Openbiome*. *Openbiome*, YouTube, 6 Apr. 2017, www.youtube.com/watch?v=gcWhR9ceY9c.

“No Guts No Glory: Harvesting the Microbiome of Athletes.” *American Chemical Society*, 20 Aug. 2017, www.acs.org/content/acs/en/pressroom/newsreleases/2017/august/no-guts-no-glory-harvesting-the-microbiome-of-athletes.html.

Valles-Colomer, Mireia, et al. “The Neuroactive Potential of the Human Gut Microbiota in Quality of Life and Depression.” *Nature Microbiology*, vol. 4, no. 4, 4 Feb. 2019, pp. 623–632., doi:10.1038/s41564-018-0337-x.

Partrick, Katherine A., et al. “Acute and Repeated Exposure to Social Stress Reduces Gut Microbiota Diversity in Syrian Hamsters.” *Behavioural Brain Research*, vol. 345, June 2018, pp. 39–48. *ScienceDirect*, doi:10.1016/j.bbr.2018.02.005.

Montgomery, Heather L, and Katherine A. Partrick. “Hamster Bullying.” 21 June 2018.

Montgomery, Heather L, and Rosa Krajmalnik-Brown. “Autism and FMT.” 8 Oct. 2018.

Kang, Dae-Wook, et al. “Microbiota Transfer Therapy Alters Gut Ecosystem and Improves Gastrointestinal and Autism Symptoms: an Open-Label Study.” *Microbiome*, vol. 5, no. 1, 23 Jan. 2017, doi:10.1186/s40168-016-0225-7.

Reardon, Sara. “Faecal Transplants Could Help Preserve Vulnerable Species.” *Nature*, vol. 558, no. 7709, 11 June 2018, pp. 173–174., doi:10.1038/d41586-018-05352-1.

Luntz, Stephen. “Scientists May Have Figured Out How To Save The Koala - And It's Kind Of Disgusting.” *IFLScience*, IFLScience, 9 Apr. 2019, www.iflscience.com/plants-and-animals/poop-transplants-could-save-koalas-and-other-endangered-species/.

Ackerman, Steve, and Jonathan Martin. “Does Lightning Add Nitrogen to the Soil?” *The Weather Guys*, University of Wisconsin - Madison, 9 July 2018, wxguys.ssec.wisc.edu/2018/07/09/lightning/.

Pappas, Stephanie. “How Hungry Pitcher Plants Get the Poop They Need.” *LiveScience*, Purch, 9 July 2015, www.livescience.com/51501-pitcher-plants-lure-pooping-bats.html.

McNamara, Neal. “Seattle Zoo Offering Animal Poop This Weekend.” *Seattle, WA Patch*, Patch, 16 Mar. 2018, patch.com/washington/seattle/seattle-zoo-offering-animal-poop-weekend.

Shakhashiri, Bassam Z. “Learn About Chlorophyll.” *Scifun*, Lab of Shakhashiri, University of Wisconsin, scifun.chem.wisc.edu/chemweek/Chlorophyll2017.pdf.

Montgomery, Heather L, and Nancy Greig. “Poop Experiment.” 5 June 2018.Curator, Houston Museum of Natural Science.

Türke, Manfred, et al. “Gut Shuttle Service: Endozoochory of Dispersal-Limited Soil Fauna by Gastropods.” *Oecologia*, vol. 186, no. 3, 2018, pp. 655–664., doi:10.1007/s00442-018-4058-x.

LawMar, Yao-Hua. “This Mite's Method of Hitchhiking Is Not Recommended.” *Science Magazine*, American Association for the Advancement of Science, 28 Mar. 2018, www.sciencemag.org/news/2018/03/mite-s-method-hitchhiking-not-recommended.

Live, BBC 5, director. *Thar She Blows! Diver Caught in Whale "Poonado"*. *YouTube*, YouTube, 23 Jan. 2015, www.youtube.com/watch?v=r4JJWuHmqPs.

Pauli, J. N., et al. “A Syndrome of Mutualism Reinforces the Lifestyle of a Sloth.” *Proceedings of the Royal Society B: Biological Sciences*, vol. 281, no. 1778, 22 Jan. 2014, pp. 20133006–20133006., doi:10.1098/rspb.2013.3006.

Gonzalez, Monika Naranjo. “Every Other Breath.” *Sea to Space Particle Investigation*, Schmidt Ocean Institute, 9 Feb. 2017, schmidtocean.org/cruise-log-post/every-other-breath/.

Watts, Jonathan. “Scientists Prepare for 'the Most Detailed Whale Poo Expedition Ever'.” *The Guardian*, Guardian News and Media, 26 Nov. 2018, www.theguardian.com/environment/2018/nov/26/scientists-prepare-for-the-most-detailed-whale-poo-expedition-ever.

Roman, Joe, et al. “Whales as Marine Ecosystem Engineers.” *Frontiers in Ecology and the Environment*, vol. 12, no. 7, 3 July 2014, pp. 377–385., doi:10.1890/130220.

Saplakoglu, Yasemin. “How This Supercolony of 1.5 Million Penguins Stayed Hidden for Nearly 3,000 Years.” *LiveScience*, Purch, 12 Dec. 2018, www.livescience.com/64282-hidden-adelie-penguin-supercolony.html.

DeMarcoApr, Emily. “Watch: Penguins May Use Feces to Melt Snow off Breeding Sites.” *Science*, 8 Dec. 2017, www.sciencemag.org/news/2015/04/watch-penguins-may-use-feces-melt-snow-breeding-sites?rss=1.

Otero, Xosé Luis, et al. “Seabird Colonies as Important Global Drivers in the Nitrogen and Phosphorus Cycles.” *Nature Communications*, vol. 9, no. 1, 2018, doi:10.1038/s41467-017-02446-8.

Giaimo, Cara. “When The Western World Ran on Guano.” *Atlas Obscura*, Atlas Obscura, 27 Feb. 2016, www.atlasobscura.com/articles/when-the-western-world-ran-on-guano.

Zeldovich, Linda. “Hippo Poop Kills Fish, but There’s an Upside.” *JSTOR Daily*, JSTOR, 12 June 2018, daily.jstor.org/hippo-poop-kills-fish-but-theres-an-upside/.

Dutton, Christopher L., et al. “Organic Matter Loading by Hippopotami Causes Subsidy Overload Resulting in Downstream Hypoxia and Fish Kills.” *Nature Communications*, vol. 9, no. 1, 2018, doi:10.1038/s41467-018-04391-6.

Doughty, Christopher E., et al. “Global Nutrient Transport in a World of Giants.” *Proceedings of the National Academy of Sciences*, vol. 113, no. 4, 2015, pp. 868–873., doi:10.1073/pnas.1502549112.

Borenstein, Seth. “Patagotitan Mayorum: New Study Describes the Biggest Dinosaur Ever.” *Phys.org*, Phys.org, 9 Aug. 2017, phys.org/news/2017-08-patagotitan-mayorum-biggest-dinosaur.html.

Holzman, David C. “As Big Animals Poop Out.” *Science News for Students*, 12 Dec. 2015, www.sciencenewsforstudents.org/article/big-animals-poop-out.

Malhi, Yadvinder, et al. “Megafauna and Ecosystem Function from the Pleistocene to the Anthropocene.” *Proceedings of the National Academy of Sciences*, vol. 113, no. 4, 2016, pp. 838–846., doi:10.1073/pnas.1502540113.

Doughty, Christopher E., et al. “Global Nutrient Transport in a World of Giants.” *Proceedings of the National Academy of Sciences*, vol. 113, no. 4, 2015, pp. 868–873., doi:10.1073/pnas.1502549112.

Shapiro, Beth Alison. *How to Clone a Mammoth: the Science of De-Extinction*. Princeton University Press, 2016.

Montgomery, Heather L, and Logqn Kistler. “Mastadons and Pumpkins.” 7 Aug. 2018.

Reiserer, Randall S., et al. “Seed Ingestion and Germination in Rattlesnakes: Overlooked Agents of Rescue and Secondary Dispersal.” *Proceedings of the Royal Society B: Biological Sciences*, vol. 285, no. 1872, 2018, p. 20172755., doi:10.1098/rspb.2017.2755.

McAloon, F.M., and Lance A. Durden. “Attachment Sites and Frequency Distribution of Erythraeid Mites, Leptus Indianensis (Acari: Prostigmata), Ectoparasitic on Harvestmen, Leiobunum Formosum (Opiliones).” *SpringerLink*, Kluwer Academic Publishers, July 2000, link.springer.com/article/10.1023%2FA%3A1026554308826.

Kistler, Logan, et al. “Gourds and Squashes (Cucurbitaspp.) Adapted to Megafaunal Extinction and Ecological Anachronism through Domestication.” *Proceedings of the National Academy of Sciences*, vol. 112, no. 49, 8 Dec. 2015, pp. 15107–15112., doi:10.1073/pnas.1516109112.

Bocco, Diana. “How Cinnamon Works.” *HowStuffWorks Science*, HowStuffWorks, 28 June 2018, science.howstuffworks.com/life/botany/cinnamon1.htm.

“White Salt Production: How to Make Table Salt: Salt Association.” *The Salt Association*, www.saltassociation.co.uk/education/make-salt/white-salt-production/.

Rossen, Jake. “How Mammoth Poop Gave Us Pumpkin Pie.” *Mental Floss*, 21 Nov. 2018, mentalfloss.com/article/517145/how-mammoth-poop-gave-us-pumpkin-pie.

Nierenberg, Cari. “Poisoned by Bitter Squash, Two Women Lose Their Hair.” *LiveScience*, Purch, 28 Mar. 2018, www.livescience.com/62158-toxic-squash-syndrome-hair-loss.html.

Wieczorek, Martyna N, et al. “Bitter Taste of Brassica Vegetables: The Role of Genetic Factors, Receptors, Isothiocyanates, Glucosinolates, and Flavor Context.” *Critical Reviews in Food Science and Nutrition*, U.S. National Library of Medicine, 6 Sept. 2017, www.ncbi.nlm.nih.gov/pubmed/28718657.

“Cancer-Fighting Condiment.” *National Mustard Museum*, 18 Apr. 2014, mustardmuseum.com/cancer-fighting-condiment/.

“Short-Eared Elephant Shrew.” *Smithsonian's National Zoo*, 6 Nov. 2018, nationalzoo.si.edu/animals/short-eared-elephant-shrew.

Montgomery, Heather L, and Wendy Collinson. “Biofence.” 28 Aug. 2018. Program Manager, Endangered Wildlife Trust

Montgomery, Heather L, and Kathleen (Miles) Black. “Fire Island Study.” 12 Dec. 2017. PhD Student, Virginia Tech

“Disease: Mange.” *The Fox Website | Disease | Mange*, University of Bristol, www.thefoxwebsite.net/disease/diseasemange.

“DNA RotoBlock Content for Levels Selection.” Received by Heather L Montgomery, and Neil Lamb, *DNA RotoBlock Content for Levels Selection*, 17 Feb. 2019. Vice President for Educational Outreach, HudsonAlpha Institute for Biotechnology

Yin, Steph. “Why Do We Inherit Mitochondrial DNA Only From Our Mothers?” *The New York Times*, 23 June 2016, www.nytimes.com/2016/06/24/science/mitochondrial-dna-mothers.html.

Roest, Aryan I. *A Key-Guide to Mammal Skulls and Lower Jaws: a Nontechnical Introduction for Beginners*. Mad River Press, 1991. Pages 18-19.

Pedro, Sandra Barrios-De, et al. “Exceptional Coprolite Association from the Early Cretaceous Continental Lagerstätte of Las Hoyas, Cuenca, Spain.” *Plos One*, vol. 13, no. 5, 2018, doi:10.1371/journal.pone.0196982.

Department of Arts and Heritage. “A Guide to the Identification of Irish Mammal Hair.” *A Guide to the Identification of Irish Mammal Hair*, 92nd ed., Ireland, Regional, Rural and Gaeltacht Affairs, 2016. *Irish Wildlife Manuals*. https://www.npws.ie/sites/default/files/publications/pdf/IWM92.pdf

Deedrick, Douglas W., and Sandra L. Koch. “Forensic Communications.” *FBI*, July 2004, archives.fbi.gov/archives/about-us/lab/forensic-science-communications/fsc/july2004/research/2004\_03\_research02.htm.

Weisel, John W, et al. “River Otter Hair Structure Facilitates Interlocking to Impede Penetration of Water and Allow Trapping of Air.” *Canadian Journal of Zoology*, vol. 83, no. 5, 2005, pp. 649–655., doi:10.1139/z05-047.

“Piping Plover Life History, All About Birds, Cornell Lab of Ornithology.” *All About Birds*, Cornell Lab of Ornithology, www.allaboutbirds.org/guide/Piping\_Plover/lifehistory. https://www.allaboutbirds.org/guide/Piping\_Plover/lifehistory

Black, Kathleen. “Comments on Draft.” *Comments on Draft*, 5 July 2019.

Jenkins, Mark, and Stephen Alvarez. “Deep South.” *National Geographic*, 11 Sept. 2017, www.nationalgeographic.com/magazine/2009/06/tag-caves/.

Daley, Jason. “New Species of Fly Found Breeding on Central Park Duck Droppings.” *Smithsonian.com*, Smithsonian Institution, 6 Oct. 2017, www.smithsonianmag.com/smart-news/new-species-fly-found-breeding-central-park-duck-droppings-180965118/#IsiMYOhrtV3Tm2ah.99.

Montgomery, Heather L, and Kristen Page. “Raccoon Latrines.” 16 Nov. 2017. Ruth Kraft Strohschein Distinguished Chair & Professor of Biology, Wheaton College

By. “Toronto Daredevil Raccoon Climbs 700-Ft Skyscraper.” *CityNews Toronto*, 17 Apr. 2015, toronto.citynews.ca/2015/04/16/toronto-daredevil-raccoon-climbs-700-ft-skyscraper/.

Page, Kristen. “Information on Raccoon Roundworm.” Received by Heather L Montgomery, *Information on Raccoon Roundworm*, 16 Apr. 2018.

Montgomery, Heather L, et al. “Raccoon Roundworms.” 23 Apr. 2018.

Mitchinson, John, and John Lloyd. *The Book of Animal Ignorance: Everything You Think You Know Is Wrong*. Harmony Books, 2007. Pages 173-174.

Lucas, Jim. “What Are Centrifugal & Centripetal Forces?” *LiveScience*, Purch, 10 May 2019, www.livescience.com/52488-centrifugal-centripetal-forces.html.

Gavin, P. J., et al. “Baylisascariasis.” *Clinical Microbiology Reviews*, vol. 18, no. 4, 1 Oct. 2005, pp. 703–718., doi:10.1128/cmr.18.4.703-718.2005.

Bruzek, Alison. “Drugged Marshmallows Can Keep Urban Raccoons From Spreading Disease.” *NPR*, NPR, 25 Nov. 2014, www.npr.org/sections/health-shots/2014/11/25/366333890/drugged-marshmallows-can-keep-urban-raccoons-from-spreading-disease.

Rasmusson, D D, and B G Turnbull. “Sensory Innervation of the Raccoon Forepaw: 2. Response Properties and Classification of Slowly Adapting Fibers.” *Somatosensory Research*, U.S. National Library of Medicine, 1986, www.ncbi.nlm.nih.gov/pubmed/3797915?ordinalpos.

Page, Kristen, et al. “ReducingBaylisascaris ProcyonisRoundworm Larvae in Raccoon Latrines.” *Emerging Infectious Diseases*, vol. 17, no. 1, Jan. 2011, pp. 90–93., doi:10.3201/eid1701.100876. Technical Appendix "Latrine Removal Protocol"

Maxey, Kirk M. “Lose Weight…and Your Poop Will Glow in the Dark Too!” *Kirk M. Maxey: Blog and Website*, 8 Nov. 2013, kirkmaxey.com/2013/11/08/lose-weight-and-your-poop-will-glow-in-the-dark-too/.

Montgomery, Heather L, and Gretchen Fowles. “Allegheny Woodrat.” 2 Oct. 2018.

Rettner, Rachael. “Rats May Not Be to Blame for Spreading the 'Black Death'.” *LiveScience*, Purch, 16 Jan. 2018, www.livescience.com/61444-black-death-cause-found-transmission.html.

Woodman, Robert L., et al. *A Protocol for Monitoring Allegheny Woodrats (Neotoma Magister) at Mammoth Cave National Park*. U.S. Department of Interior, 2004, *A Protocol for Monitoring Allegheny Woodrats (Neotoma Magister) at Mammoth Cave National Park*. Page 2

Montgomery, Heather L, and Kathleen LoGiudice. “Allegheny Woodrat Decline.” 2 Oct. 2018. Professor, Union College.

United States, Congress, Cole, Kenneth L. “Prehistoric Packrats Piled up Clues to Climate Change.” *Prehistoric Packrats Piled up Clues to Climate Change*, U.S. Dept. of the Interior, U.S. Geological Survey, 2008.

Gavin, P. J., et al. “Baylisascariasis.” *Clinical Microbiology Reviews*, vol. 18, no. 4, 1 Oct. 2005, pp. 703–718., doi:10.1128/cmr.18.4.703-718.2005.

Montgomery, Heather L, et al. “Raccoon Roundworms.” 23 Apr. 2018.

<https://www.youtube.com/watch?v=lsxLeclNbf0> Samuel and Audrey, director. *Poop Cafe in Seoul, Korea*. *Travel and Food Videos*, YouTube, 30 Aug. 2016, www.youtube.com/watch?v=lsxLeclNbf0.

Godden, Maryse. “LOOKS LIKE C\*\*P! Inside Canada’s Bizarre ‘Poop Cafe’ Where Everything from the Food to the Furniture Is Poo Themed.” *The Sun*, 6 Feb. 2017, www.thesun.co.uk/news/2795845/inside-canadas-bizarre-poop-cafe-where-everything-from-the-food-to-the-furniture-is-poo-themed/.

Craft, Lucy. “Japan's New Pop-up Poop Museum Proves a Hit.” *CBS News*, CBS Interactive, 1 Apr. 2019, www.cbsnews.com/news/japan-poop-museum-proves-a-hit-in-yokahama/.

Spinks, Rosie. “Why Does Palm Oil Still Dominate the Supermarket Shelves?” *The Guardian*, Guardian News and Media, 17 Dec. 2014, www.theguardian.com/sustainable-business/2014/dec/17/palm-oil-sustainability-developing-countries.

Cockburn, Harry. “Ecologically 'Disastrous' Palm Oil Here to Stay, and Better than Alternatives, Experts Say.” *The Independent*, Independent Digital News and Media, 26 June 2018, www.independent.co.uk/environment/palm-oil-ecological-destruction-rainforest-malaysia-indonesia-soy-orangutan-sumatran-tiger-a8418426.html.

“The Palm Industry and Endangered Species.” *Palm Oil Awareness Initiative*, whatispalmoil.weebly.com/the-palm-industry-and-endangered-species.html.

*Saying ‘No’ to Palm Oil Would Likely Displace, Not Halt Biodiversity Loss – IUCN Report*. International Union for Conservation of Nature, 2018, www.iucn.org/news/secretariat/201806/saying-no-palm-oil-would-likely-displace-not-halt-biodiversity-loss---iucn-report

Montgomery, Heather L, and David Hemprich-Bennett. “Bat Guano.” 15 Dec. 2017. Post Doc Researcher, University of Oxford.

May-Tobin, Calen. “Palm Oil: To Boycott or Not to Boycott?” *Union of Concerned Scientists*, 12 Nov. 2015, blog.ucsusa.org/calen-may-tobin/palm-oil-to-boycott-or-not-to-boycott-437.

*Saying ‘No’ to Palm Oil Would Likely Displace, Not Halt Biodiversity Loss – IUCN Report*. International Union for Conservation of Nature, 2018, www.iucn.org/news/secretariat/201806/saying-no-palm-oil-would-likely-displace-not-halt-biodiversity-loss---iucn-report.

Piotrowska, K. “8 Things to Know about Palm Oil.” *WWF*, WWF, 12 Nov. 2018, www.wwf.org.uk/updates/8-things-know-about-palm-oil.

Montgomery, Heather L, and Ashli Brown. “Panda Poo.” 16 Aug. 2018. Assistant Professor, Mississippi State University.

Williams, Candace L., et al. “Could Panda Gut Microbes Power the next-Generation Biorefinery?” *Inform*, vol. 24, no. 10, 2013, pp. 630–632., www.researchgate.net/publication/295959328\_Could\_panda\_gut\_microbes\_power\_the\_next-generation\_biorefinery.

Williams, Candace L., et al. “Dietary Shifts May Trigger Dysbiosis and Mucous Stools in Giant Pandas (Ailuropoda Melanoleuca).” *Frontiers in Microbiology*, vol. 7, 2016, doi:10.3389/fmicb.2016.00661.

Krause, William J., and Winifred A. Krause. *The Opossum: Its Amazing Story*. Department of Pathology and Anatomical Sciences,School of Medicine, University of Missouri, 2006. <https://www.researchgate.net/publication/265347494_The_Opossum_Its_Amazing_Story>, Page 11

“About Opossums.” *Mass Audubon*, www.massaudubon.org/learn/nature-wildlife/mammals/opossums/about.

Crew, Bec. “This Is Exactly What Happens When You Die.” *ScienceAlert*, www.sciencealert.com/watch-here-s-what-happens-when-you-die.

Becker, Rachel. “Meet the Tapeworm Hunters Scouring Shark Guts for These 'Beautiful Little' Parasites.” *The Verge*, The Verge, 22 Nov. 2017, www.theverge.com/2017/11/22/16691086/tapeworms-parasites-sea-food-raw-fish-meat-science-intestines-biodiversity.

Walters, Joanna. “Raw Deal: Sushi-Loving California Man Discovers 5ft 6in Tapeworm.” *The Guardian*, Guardian News and Media, 20 Jan. 2018, www.theguardian.com/us-news/2018/jan/20/california-sushi-tapeworm-fresno-doctor-salmon.

Garcia, Hector H., et al. “Taenia Solium Cysticercosis.” *Lancet*, vol. 362, no. 9383, 16 Aug. 2003, pp. 547–556., www.ncbi.nlm.nih.gov/pmc/articles/PMC3103219/pdf/ukmss-31602.pdf.

“As The Worm Turns.” *This American Life*, performance by Patrick Walters, season 404: Enemy Camp, episode Act Three, www.thisamericanlife.org/404/enemy-camp-2010/act-three.

McKenney, Erin. “Home.” *Home*, sites.google.com/view/doteachlearn/home.

Goodman, Brenda. *Climate Tied to Inflammatory Bowel Disease Risk*. WebMD, 11 Jan. 2012, www.webmd.com/ibd-crohns-disease/news/20120111/climate-tied-inflammatory-bowel-disease-risk#1.

“Rat | Ari.info.” *Ari.info*, Animal Research Information, 9 Dec. 2016, www.animalresearch.info/en/designing-research/research-animals/rat/.

“Nobel Prizes | Ari.info.” *Ari.info*, Animal Research Information, 10 Sept. 2018, www.animalresearch.info/en/medical-advances/nobel-prizes/.

Mckenney, Erin A, et al. “Alteration of the Rat Cecal Microbiome during Colonization with the Helminth *Hymenolepis Diminuta*.” *Gut Microbes*, vol. 6, no. 3, 2015, pp. 182–193., doi:10.1080/19490976.2015.1047128.

Poinar, G., and A. J. Boucot. “Evidence of Intestinal Parasites of Dinosaurs.” *Parasitology*, vol. 133, no. 02, 2006, p. 245., doi:10.1017/s0031182006000138.

Montgomery, Heather L, and Peter J. Hotez. “Helminths and the Hygiene Hypothesis.” 13 Nov. 2018. Dean of the National School of Tropical Medicine and Professor of Pediatrics and Molecular Virology & Microbiology at Baylor College of Medicine

Jõgi, N. O., et al. “Zoonotic Helminth Exposure and Risk of Allergic Diseases: A Study of Two Generations in Norway.” *Clinical & Experimental Allergy*, vol. 48, no. 1, 2017, pp. 66–77., doi:10.1111/cea.13055.

Smillie, W. G., and C. R. Spencer. “Mental Retardation in School Children Infested with Hookworms.” *Journal of Educational Psychology*, vol. 17, no. 5, 1926, pp. 314–321., doi:10.1037/h0072931.

“William Parker, PhD.” *Duke Department of Surgery*, surgery.duke.edu/faculty/william-parker-phd.

Montgomery, Heather L, and William Parker. “Rat Microbiome.” 18 Feb. 2019

Cheng, Anna M., et al. “Overcoming Evolutionary Mismatch by Self-Treatment with Helminths: Current Practices and Experience.” *Journal of Evolutionary Medicine*, vol. 3, 2015, pp. 1–22., doi:10.4303/jem/235910.

Montgomery, Heather L, and Erin McKenney. “Got Guts.” 2 Nov. 2019. Microbial Ecologist, North Carolina State University

Correale, Jorge, and Mauricio Farez. “Association between Parasite Infection and Immune Responses in Multiple Sclerosis.” *Annals of Neurology*, vol. 61, no. 2, 2007, pp. 97–108., doi:10.1002/ana.21067.

Dixit, Aakanksha, et al. “Novel Therapeutics for Multiple Sclerosis Designed by Parasitic Worms.” *International Journal of Molecular Sciences*, vol. 18, no. 10, 2017, p. 2141., doi:10.3390/ijms18102141.

Williamson, Lauren L., et al. “Got Worms? Perinatal Exposure to Helminths Prevents Persistent Immune Sensitization and Cognitive Dysfunction Induced by Early-Life Infection.” *Brain, Behavior, and Immunity*, vol. 51, 2016, pp. 14–28., doi:10.1016/j.bbi.2015.07.006.

Piper, Ross. *Pests: a Guide to the World's Most Maligned, Yet Misunderstood Creatures*. Greenwood, 2011. Page 207

“Longest Snake in Captivity Ever.” *Guinness World Records*, 2011, www.guinnessworldrecords.com/world-records/longest-snake-ever-(captivity)?fb\_comment\_id=796633420375598\_800626723309601.

Caira, Janine N., et al. *Planetary Biodiversity Inventory (2008-2017): Tapeworms from Vertebrate Bowels of the Earth*. Natural History Museum, the University of Kansas, 2017.

Becker, Rachel. “Meet the Tapeworm Hunters Scouring Shark Guts for These 'Beautiful Little' Parasites.” *The Verge*, The Verge, 22 Nov. 2017, www.theverge.com/2017/11/22/16691086/tapeworms-parasites-sea-food-raw-fish-meat-science-intestines-biodiversity.

Goater, Timothy M., et al. *Parasitism: the Diversity and Ecology of Animal Parasites*. Cambridge University Press, 2014. Page 155

Chervy, Lenta. “Unified Terminology for Cestode Microtriches: a Proposal from the International Workshops on Cestode Systematics in 2002-2008.” *Folia Parasitologica*, vol. 56, no. 3, 1 Sept. 2009, pp. 199–230., doi:10.14411/fp.2009.025.

*TDR | Helminthiasis*. World Health Organization, 1 Apr. 2019, www.who.int/tdr/diseases-topics/helminths/en/.

Bashir, Mohamed Elfatih H., et al. “An Enteric Helminth Infection Protects Against an Allergic Response to Dietary Antigen.” *The Journal of Immunology*, vol. 169, no. 6, 2002, pp. 3284–3292., doi:10.4049/jimmunol.169.6.3284.

Helmby, Helena. “Human Helminth Therapy to Treat Inflammatory Disorders- Where Do We Stand?” *BMC Immunology*, vol. 16, no. 1, 2015, doi:10.1186/s12865-015-0074-3. Page 4

Westerhoff, Paul, et al. “Characterization, Recovery Opportunities, and Valuation of Metals in Municipal Sludges from U.S. Wastewater Treatment Plants Nationwide.” *Environmental Science & Technology*, vol. 49, no. 16, 2015, pp. 9479–9488., doi:10.1021/es505329q.

Esgana, Gi-Ann. “Artificial Saliva That Uses Gold Nanoparticles Patented in Poland.” *Artificial Saliva That Uses Gold Nanoparticles Patented in Poland*, DailyTopic, 6 Apr. 2018, dailytopici.com/news/view/14937.

King, Hobart M. “The Many Uses of Gold.” *Geology*, geology.com/minerals/gold/uses-of-gold.shtml.

Montgomery, Heather L, and Paul Westerhoff. “Poop in Gold?” 1 Nov. 2018.

“TANA E Series Landfill Compactors - Highest Level of Compaction in the Market.” *Tana.fi*, Tana Oy, www.tana.fi/landfill-operations/landfill-compactors.

Montgomery, Heather L, and Shawn Luker. “Biosolids Conversion.” 29 Apr. 2019.

Montgomery, Heather L, and Jeff Summers. “Biosolids Conversion.” 29 June 2019.

Granger Energy Services. *Decatur Generating Station*. *Decatur Generating Station*, Granger Energy Services, 2015.

Montgomery, Heather L, and John Click. “Poop Train and the Landfill.” 28 May 2019.

Kinney, Chad A., et al. “Bioaccumulation of Pharmaceuticals and Other Anthropogenic Waste Indicators in Earthworms from Agricultural Soil Amended With Biosolid or Swine Manure.” *Environmental Science & Technology*, vol. 42, no. 6, 2008, pp. 1863–1870., doi:10.1021/es702304c.

Dalkmann, Philipp, et al. “Accumulation of Pharmaceuticals, Enterococcus, and Resistance Genes in Soils Irrigated with Wastewater for Zero to 100 Years in Central Mexico.” *PLoS ONE*, vol. 7, no. 9, 2012, doi:10.1371/journal.pone.0045397.

Arnold, Ken, et al. “Benefits and Risks of Biosolids.” *University of Missouri Extension*, Jan. 1996, extension2.missouri.edu/wq427.

Melina, Remy. “7 Everyday Toxic Things You Shouldn't Toss in the Trash.” *LiveScience*, Purch, 21 Apr. 2011, www.livescience.com/13840-7-everyday-toxic-items-recycle.html.

Voshell, J. Reese. *A Guide to Common Freshwater Invertebrates of North America*. McDonald & Woodward Pub., 2003. Page 273

“Macroinvertebrate Bioindicators.” *Beaver Water District*, www.bwdh2o.org/education-outreach/lesson-and-activities/water-quality/macroinvertebrate-bioindicators/.

Gormezano, Linda J., and Robert F. Rockwell. “What to Eat Now? Shifts in Polar Bear Diet during the Ice-Free Season in Western Hudson Bay.” *Ecology and Evolution*, vol. 3, no. 10, Sept. 2013, doi:10.1002/ece3.740.

Hart, Vlastimil, et al. “Dogs Are Sensitive to Small Variations of the Earth’s Magnetic Field.” *Frontiers in Zoology*, vol. 10, no. 1, 2013, p. 80., doi:10.1186/1742-9994-10-80. https://frontiersinzoology.biomedcentral.com/articles/10.1186/1742-9994-10-80

North, Journey. “The Scoop on Poop Disposable Diapers for Birds.” *American Robin*, Journey North, journeynorth.org/tm/robin/FecalSacs.html.

Yang, Patricia J., et al. “Hydrodynamics of Defecation.” *Soft Matter*, vol. 13, no. 29, 2017, pp. 4960–4970., doi:10.1039/c6sm02795d.

“AstroPlastic.” *Team: Calgary*, 2017, 2017.igem.org/Team:Calgary.

Cohen, Marc M., et al. “Global Space Exploration Conference.” International Astronautical Federation, *GLEX-2012.10.1.9x12503*, 2012, www.spacearchitect.org/pubs/GLEX-2012.10.1.9x12503.pdf.

Steinberg, Lisa M., et al. “Coupling of Anaerobic Waste Treatment to Produce Protein- and Lipid-Rich Bacterial Biomass.” *Life Sciences in Space Research*, vol. 15, Nov. 2017, pp. 32–42., doi:10.1016/j.lssr.2017.07.006.

Montgomery, Heather L, and Stephen Gates. “Pest Tech.” 30 Jan. 2018. Vice President Technical Services, Cook’s Pest Control

Bloebaum, Roy D., et al. “Transcortical or Intracondylar? Which Model Is Accurate for Predicting Biomaterial Attachment in Total Joint Replacement?” *Journal of Biomedical Materials Research Part B: Applied Biomaterials*, vol. 106, no. 2, 2017, pp. 578–588., doi:10.1002/jbm.b.33873.

Montgomery, Heather L, and Roy Bloebaum. “Dino Poo.” 7 Nov. 2017.

United States, Congress, “agstar\_digester\_update-May-2015.” *agstar\_digester\_update-May-2015*, US Environmental Protection Agency, 2015. agstar\_digester\_update\_may\_2015.

Markovich, Matt. “'We Are Making Electricity:' Dairy Farmer Making Power from Cow Manure.” *KOMO*, 20 Apr. 2017, komonews.com/news/local/we-are-making-electricity-dairy-farmer-making-power-from-cow-manure.

Frizell, Sam. “UK's First ‘Poo Bus’ Is Powered By Human Waste.” *Time*, Time, 22 Nov. 2014, time.com/3601077/poo-bus-united-kingdom/.

“Dallas Zoo Hippo Gives Birth to Healthy Baby Months after Mate's Death.” *Dallas News*, 16 May 2019, www.dallasnews.com/news/dallas-zoo/2019/05/16/dallas-zoo-hippo-gives-birth-healthy-baby-months-after-mates-death.

Metrione, Lara. “SEZARC Projects Utilizing Fecal Samples.” Received by Heather L Montgomery, *SEZARC Projects Utilizing Fecal Samples*, 17 May 2019.

Bhatt, Aadra P., et al. “In Fimo: A Term Proposed for Excrement Examined Experimentally.” *Gastroenterology*, vol. 156, no. 5, Apr. 2019, p. 1232., doi:10.1053/j.gastro.2018.11.070.

“Ordure Definition and Meaning: Collins English Dictionary.” *Collins English Dictionary*, www.collinsdictionary.com/us/dictionary/english/ordure.

Adventure Scientists, Staff. “Vertical Nepal: Expedition Update.” *Adventure Scientists*, 2 Nov. 2016, www.adventurescientists.org/blog/vertical-nepal-expedition-update.

“Echidna-CSI | Project | Field Capture.” *BioCollect*, Atlas of Living Australia, 2017, biocollect.ala.org.au/ala/project/index/8c3ae3b1-5342-40b4-9e72-e9820b7a9550.

Lewis, Danica. “Wolfpack Citizen Science Challenge Spring 2018.” *NC State University Libraries*, North Carolina State, 2018, www.lib.ncsu.edu/wolfpack-citizen-science-challenge/spring-2018.

“Projects.” *Gotham Coyote Project*, www.gothamcoyote.com/projects.html.

Montgomery, Heather L, and Tim Luethke. “Denver Zoo Citizen Scientists.” 17 Aug. 2018. Outreach Programs Specialist, Denver Zoo

Rao, Smriti. “The Mightiest Mite: Dung Beetle Is Crowned World's Strongest Bug.” *Discover Magazine*, 25 Apr. 2010, blogs.discovermagazine.com/80beats/2010/03/25/the-mightiest-mite-dung-beetle-is-crowned-worlds-strongest-bug/#.XPk7u4hKhGP.

Kraus, Scott D., and Rosalind Rolland. *The Urban Whale: North Atlantic Right Whales at the Crossroads*. Harvard University Press, 2009. Page14 https://books.google.com/books?id=-m6r-SfaSy4C&printsec=frontcover&dq=northern+right+whale+weight&hl=en&sa=X&ved=0ahUKEwi0wMmZndXiAhVJmeAKHR-IB6MQuwUIMTAB#v=onepage&q=weigh&f=false

“Citizen Scientists Tackling Antibiotic Resistance One Possum Poop at a Time.” *This Week At Macquarie University*, Macquarie University, 7 Aug. 2017, www.mq.edu.au/thisweek/2017/08/07/citizen-scientists-tackling-antibiotic-resistance-one-possum-poop-at-a-time/#.XT8twehKhGN.

McDonald, Daniel. “Studying Poop Samples, Scientists Find Clues on Health and Disease.” *The Conversation*, 8 May 2019, theconversation.com/studying-poop-samples-scientists-find-clues-on-health-and-disease-96605.

Jones, Nicola. “Case Closed: You Can't Make a Knife Out of Frozen Poop.” *SAPIENS*, Wenner-Gren Foundation for Anthropological Research, 17 Sept. 2019, www.sapiens.org/archaeology/poop-knife-frozen/.

Jojo. “Crazy Japanese Poop Ice Cream: Cute or Unappetizing?: TokyoTreat: Japanese Candy & Snacks Subscription Box.” *TokyoTreat*, 15 Jan. 2019, tokyotreat.com/news/japanese-harajuku-ice-cream.

Briggs, Neima, et al. “The Hygiene Hypothesis and Its Inconvenient Truths about Helminth Infections.” *PLOS Neglected Tropical Diseases*, Public Library of Science, journals.plos.org/plosntds/article?id=10.1371%2Fjournal.pntd.0004944.