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Beaudoin, A.B. "Curators: Behind the Scenes of Natural History Museums" by Lance Grande, 2017, 307–309

Cottam, B. New Titles, 82–84, 204–208, 311–313, 430–432

Cottam, B. "Through a Glass Brightly: Using Science to See Our Species as We Really Are" by David B. Barash, 2018, 202–203

Gaston, T. "The Inner Life of Animals: Love, Grief and Compassion – Surprising Observations of Hidden World" by Peter Wohlleben, 2017, 76

Gaston, T. "The Subjugation of Canadian Wildlife: Failures of Principle and Policy" by Max Foran, 2018, 77

Halliday, W.D. "Half-Earth: Our Planet's Fight for Life" by Edward O. Wilson, 2017, 78

Houston, C.S. "Mark Catesby's Legacy: Natural History Then and Now" by M.J. Brush and Alan H. Brush, 2018, 203–204

Smith, C.M. "Best Places to Bird in the Prairies" by John Acorn, Alan Smith, and Nicola Koper, 2018, 79

Tegler, B. "The Marsh Builders: The Fight for Clean Water, Wetlands, and Wildlife" by Sharon Levy, 2018, 309–310

Way, J. "Deep Into Yellowstone: A Year's Immersion in Grandeur and Controversy" by Rick Lamplugh, 2017, 80–81

### **Zoology**

Catling, P. "A Natural History Study of Leech (Annelida: Clitellata: Hirudinida) Distributions in Western North America North of Mexico?" by Peter Hovingh, 2016, 74–75

- Cray, H.A. “Eye of the Shoal” by Helen Scales, 2018, 303
- Cray, H.A. “Spineless: The Science of Jellyfish and the Art of Growing a Backbone” by Juli Berwald, 2018, 304
- Cray, H.A. “Immersion: The Science and Mystery of Freshwater Mussels” by Abbie Gascho Landis, 2017, 306–307
- Halliday, W.D. “Wildlife of the Arctic” by Richard Sale and Per Michelsen, 2018, 198–199
- Halliday, W.D. “Spying on Whales” by Nick Pyenson, 2018, 429
- Twardek, W.M. “Guide to the Parasites of Fishes of Canada Part V: Nematoda” by Hisao P. Arai and John W. Smith, 2016, 199–200
- Wachelka, H. “Muskelunge Management: Fifty Years of Cooperation Among Anglers, Scientists, and Fisheries Biologists” by Kevin Kapuscinski, Timothy Simonson, Derek Crane, Steven Kerr, James Diana, and John Farrell, 2017, 427–428
- Way, J. “Mountain Lions of the Black Hills: History and Ecology” by Jonathan A. Jenks, 2018, 200–201
- Way, J. “Keepers of Wolves. Second Edition” by Richard P. Thiel, 2018, 305–306