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### PROJECT

## Timescapes of Behavior: Long-Term Research and the Birth of Behavioral Ecology

By measuring, collecting, and analyzing, long-term projects in behavioral ecology have translated animals' lives into vibrant understandings of the changing landscapes in which they live. Ecologists have measured changes in animal populations and behavior from season to season, each year's observations adding to the scientific value of observations carefully acquired in previous decades. When these projects started as small, scrappy enterprises, their horizon of expectation extended only a few years into the future. By the 1990s, the accumulation of longitudinal data meant that incoming students could start analyzing questions before they even ventured to the field. Valuable on their own, in intellectual synergy these data provide a remarkable record of our planet's ecosystems' transformations in the past half century.

Each chapter of my planned book follows the history of an animal and a place where scientists have studied its behavior for decades. As research tools have changed along with the requirements for receiving permission, so too have scientific practices and the forms of collaboration required to sustain science in the long term. The shared experiences of negotiating research permits, months spent away from campus, writing grants to the same agencies, and the tendency, as projects diversified, to study multiple animals at the same site, contributed to a shared sense of enterprise, despite the profound differences in landscapes and animal biology. Behavioral ecology as a discipline thus came to embrace organismal diversity as part of its mandate, just as conservationists lauded biodiversity as a sign of a healthy landscape.

From laughing hyenas to endangered jays, the lifetimes of individual animals make tangible how they are adapting, or not, to changing local conditions. Their fates, and ours, are woven together through time and place.

### Recommended Reading

Milam, Erika Lorraine. *Looking for a Few Good Males: Female Choice in Evolutionary Biology*. Baltimore, MD: Johns Hopkins University Press, 2010.

Milam, Erika Lorraine, and Robert A. Nye, eds. *Scientific Masculinities*. Chicago: University of Chicago Press, 2015.

Milam, Erika Lorraine. *Creatures of Cain: The Hunt for Human Nature in Cold War America*. Princeton, NJ: Princeton University Press, 2019.

# The Hyena & the Jay: Long-term Research and the Birth of Behavioral Ecology

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## PUBLICATIONS FROM THE FELLOWS' LIBRARY

Milam, Erika Lorraine (Cambridge, 2021)

The evolution of Darwinian sexualities

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=185369374X>

Milam, Erika Lorraine (Pittsburgh, Pa, 2019)

The stigmata of ancestry : reinvigorating the conflict thesis in the American 1970s

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=1853694975>

Milam, Erika Lorraine (Princeton, 2019)

Creatures of Cain : the hunt for human nature in Cold War America

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=1039779638>

Milam, Erika Lorraine (Chicago, IL, 2015)

Scientific masculinities

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=846787105>

Osiris ; second series, volume 30

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=846787105>

Milam, Erika Lorraine (Baltimore, 2011)

Looking for a few good males : female choice in evolutionary biology

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=734566395>

Animals, history, culture

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=734566395>