



Project Goals

(1) Digitize **1.7 million** adult specimens and **33,524 larval vial records**, integrate >1 million existing lepidopteran records, totaling **2.7 million** occurrence records.

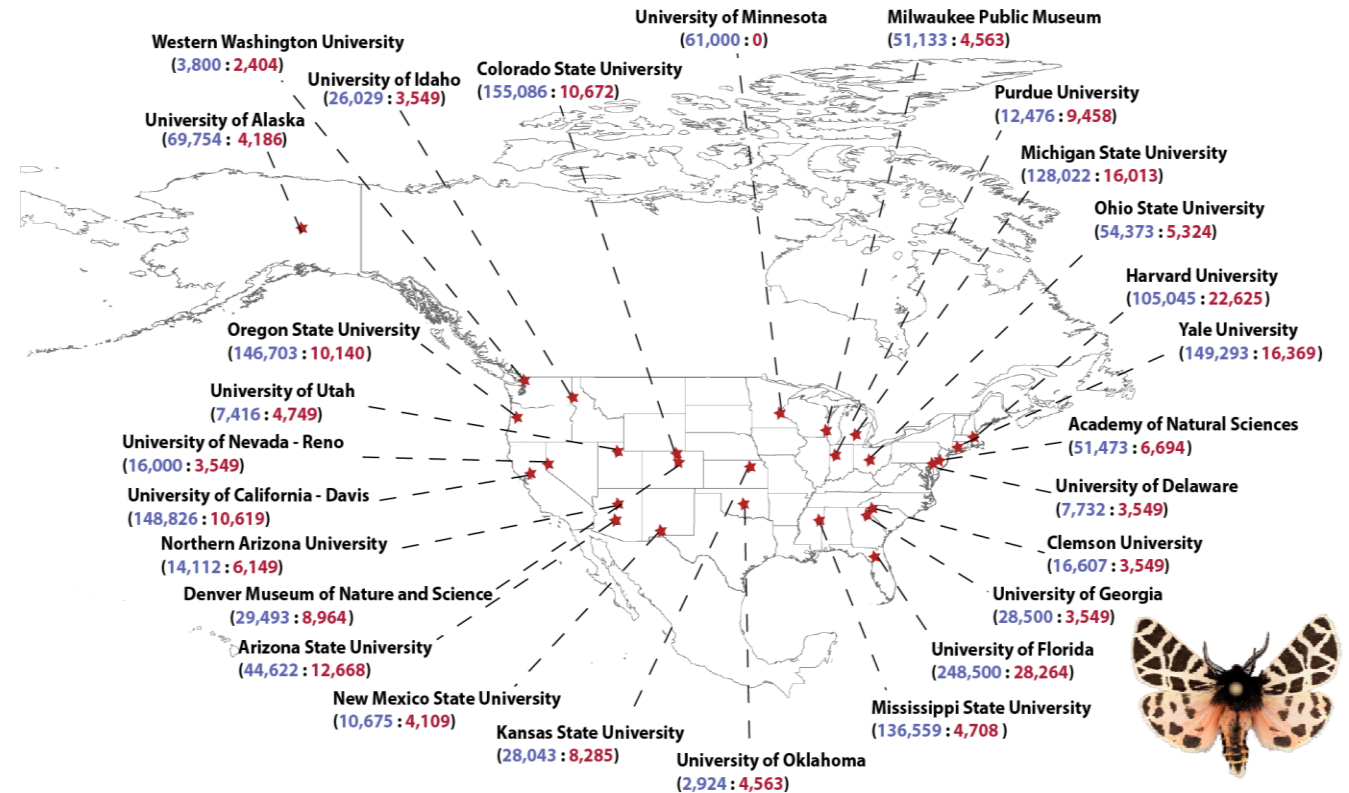
(2) Produce high-resolution species exemplar images for **81,000** specimens representing at least **60%** of the 14,300+ North American Lepidoptera species.

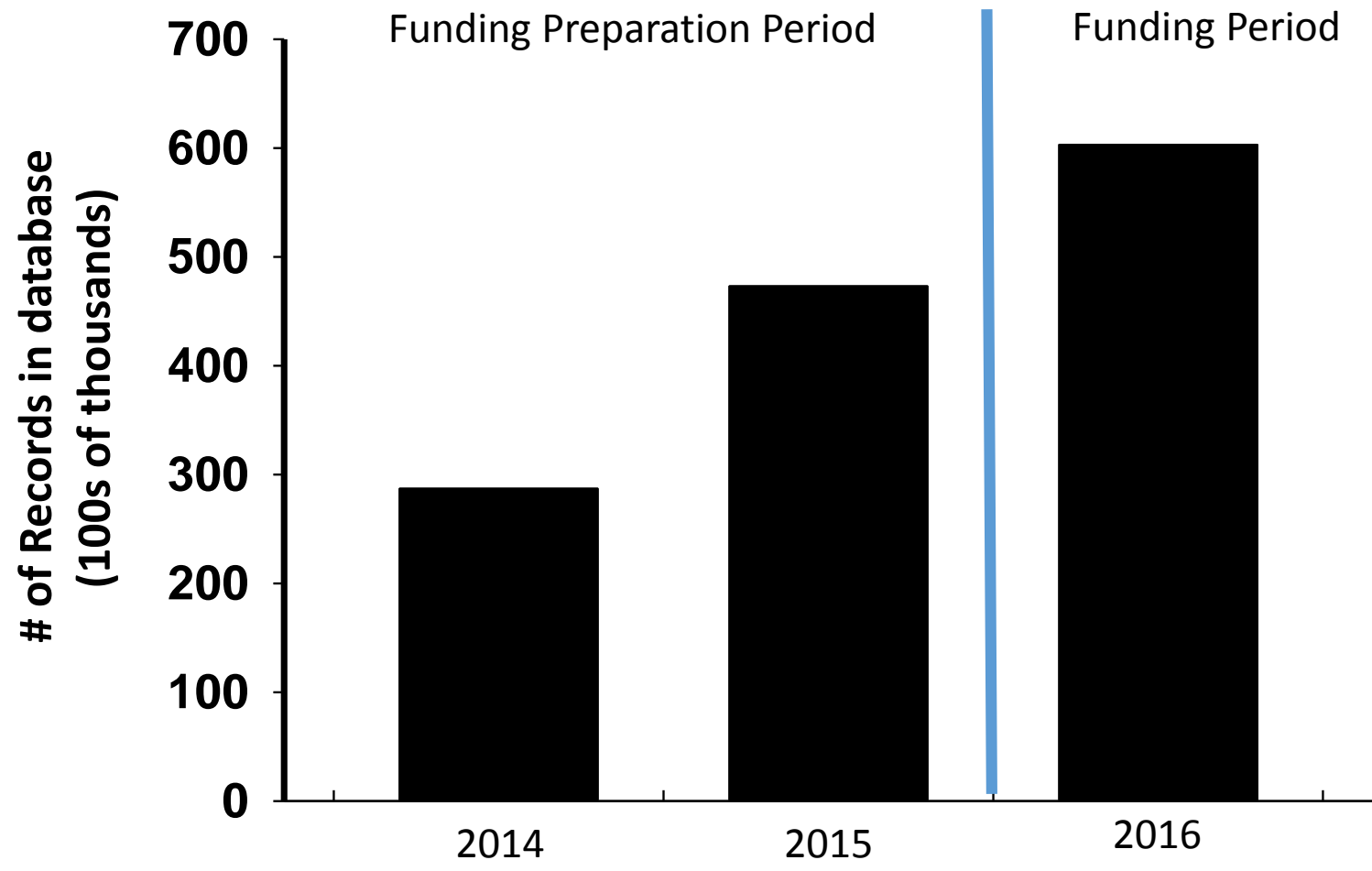
(3) (**LepSnap**) computer identification and **smartphone** application for researcher volunteers to image cataloged specimens and add >**160,000** images beyond the high-resolution species exemplars.

LepNet Research Collections

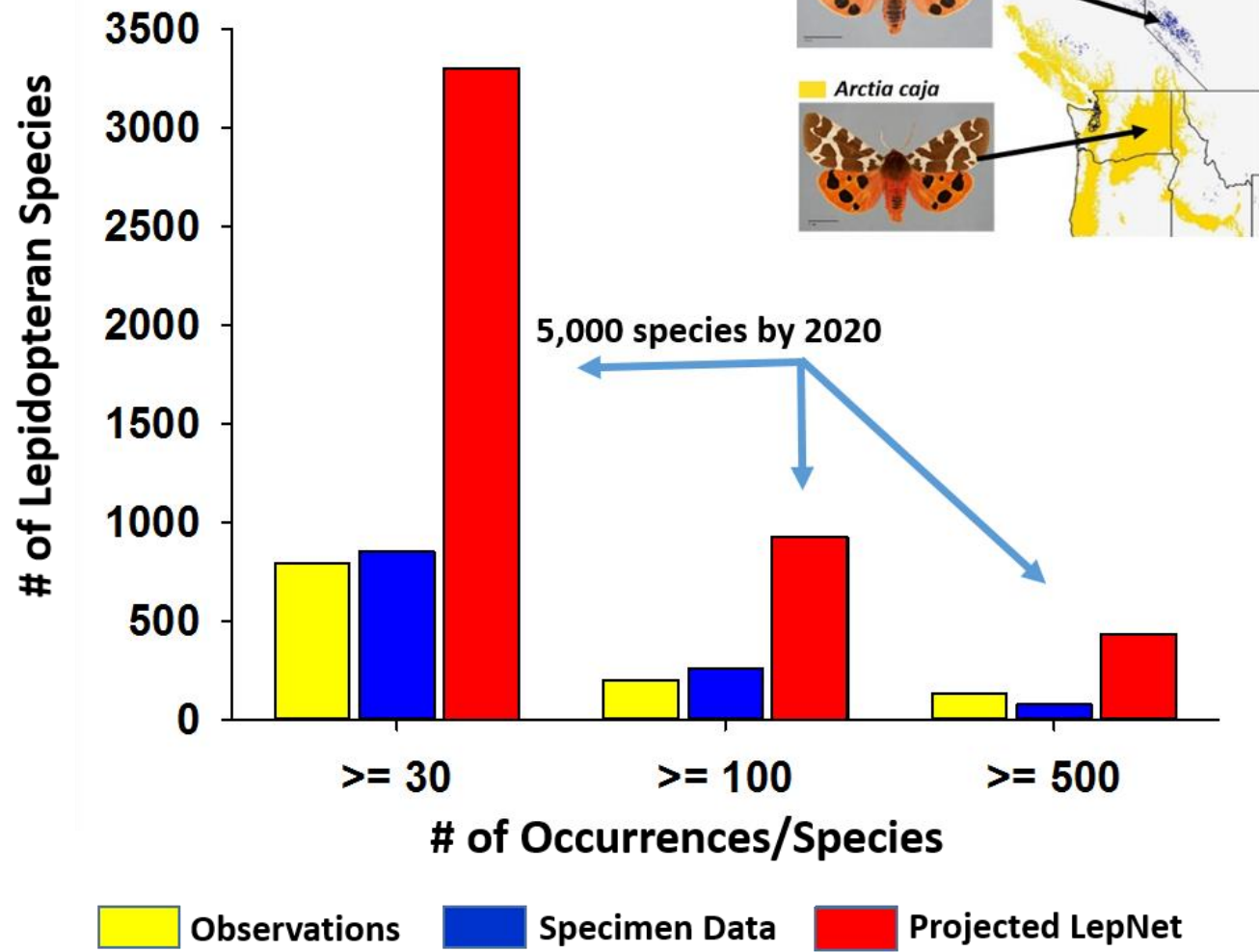
www.lep-net.org

1,704,161 Total specimen records
214,705 Total specimens imaged





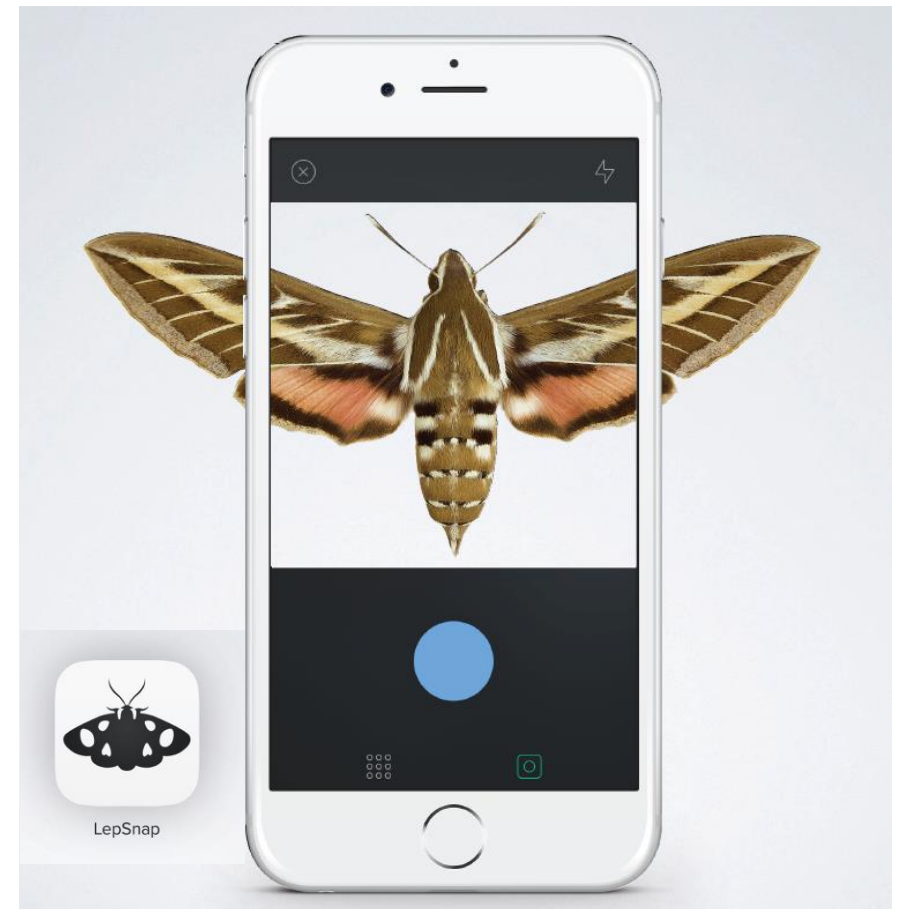
Research Ready Data



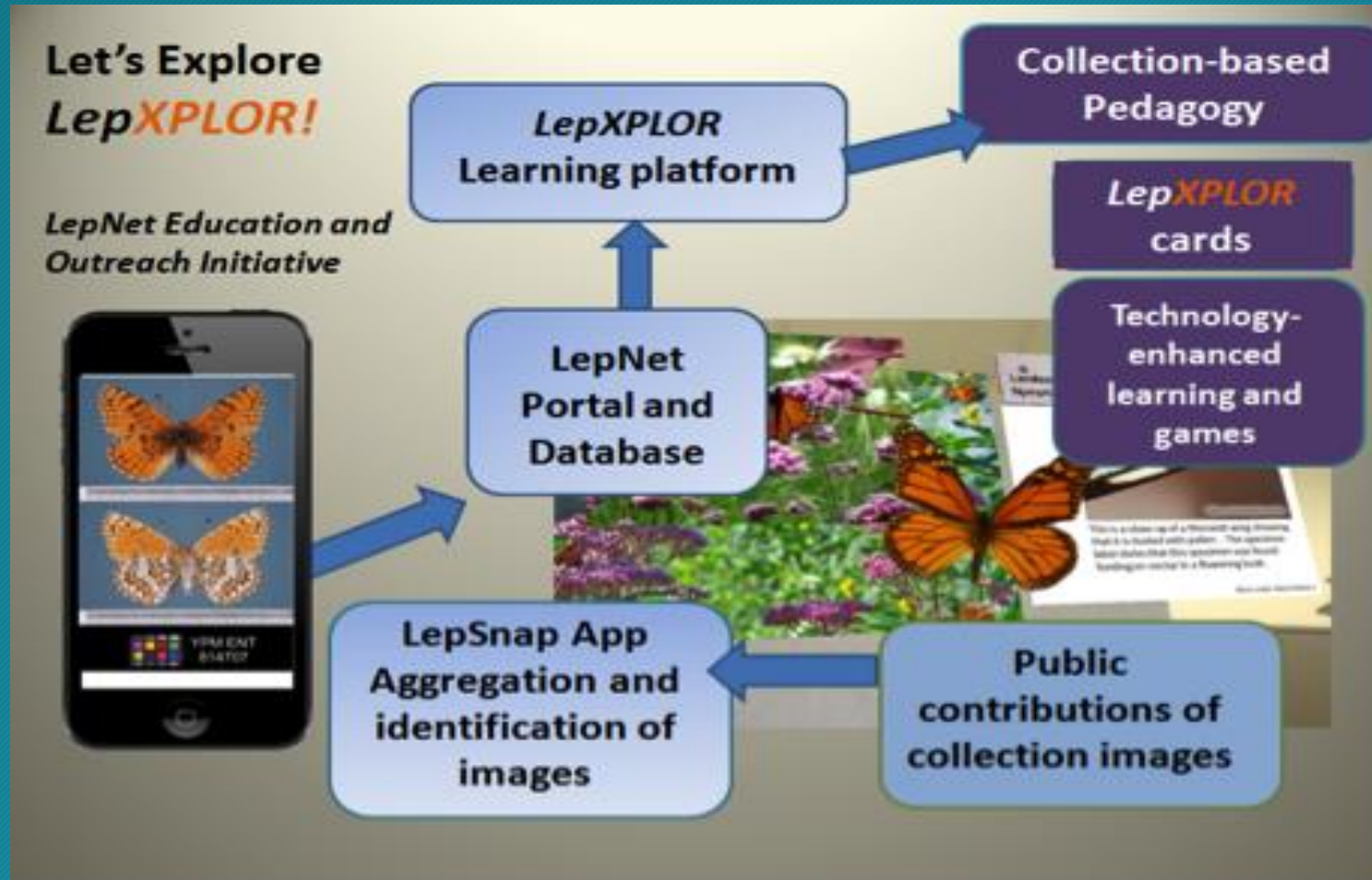
“LepNet-based data will facilitate comparative studies of the evolution and ecology of Lepidoptera”

Huge Potential for Identification from Images

- **How many Lepidoptera can be identified?**
 - 80% of butterflies**
 - 70% of large moths (macros)**
 - 55% of small moths (micros)**
 - 6,870 North American species**
- **Engage & Augment Human experts**
- **Connect with citizen scientists in the museum and the field (observations)**



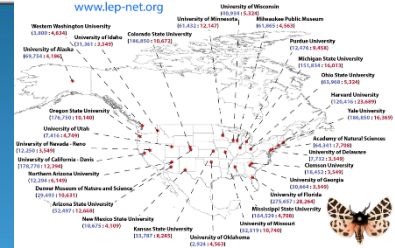
LepXplor Education-Outreach Program





Broader Vision: Lepidoptera as Model for Global Biodiversity Collaborative

Lepidoptera of North America Network



Tortricid.net
TORTRICIDAE RESOURCES ON THE WEB
VERSION 2.0

Welcome to Tortricid.net version 2.0! This site has been providing information on moths in the family Tortricidae since 2003. Click on one of the links on the right side of the page to visit new and updated content.

This site hosts the Online Catalogue of the Tortricidae (OTORT). The Catalogue contains records for all described species of tortricids and is updated regularly. Many photographs of primary types are also available in the Catalogue.

AIM-UP!
Advancing Integration of Museums into Undergraduate Programs (AIM-UP!)

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North American Moth Photographers Group at the

OTHER TOPICS
Papers and Notes
Books & Literature
Organizations

al index
la pu eg
Erebidae Arctinae Arctini Arctiina
Artimella latreillei (Godart, [1823])
Latreille's Pellicle
Frailia madrilana

The North American Butterfly Monitoring Network
working together to advance knowledge on butterflies

Home | About Us | Goals | Monitoring Programs | Activities

BNN: The Butterfly Network News
Sign up here for The Butterfly Network News, the quarterly e-newsletter of the Butterfly Network.

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The Global Lepidoptera Names Index

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Lepindex
Lepidoptera (order) - Arthropoda: Insecta:

George Beccaloni, Malcolm Scoble, Ian Kitching, Thomas Simonsen, Gud Hine & Chris Lyal. Website by Mike Sadha

1000 SIBERIAN BUTTERFLIES AND MOTHS (АТЛАС БАБОЧЕК СИБИРИ)

Plate Series

UCSD Computer Vision

UCSD Jacobs School of Engineering
Computer Science and Engineering

THE BUTTERFLY WEBSITE

Canadian Biodiversity Information Facility

Integrated Taxonomic Information System (ITIS) | Species Access Network | Species Bank | Help

Home > Species Bank > Moths of Canada

Moths of Canada
Noctuoidae of Western Canada

National Moth Week

NATIONAL MOTH WEEK
GLOBAL CITIZEN SCIENCE
5TH ANNIVERSARY

BOLDSYSTEMS Databases | Taxonomy | Identification | Workbench | Resources

Exploring Nighttime Nature

Canadian Biodiversity Information Facility

Home > Species Bank > Moths of Canada

Moths of Canada
Noctuoidae of Western Canada

Moths and Butterflies of Europe and North Africa
by Paolo Mazzei, Daniel Morel, Raniero Panfili

OPEN Tree of Life
New version of tree, APIs

BRANDON BALLENGÉE
Artist // Biologist // Environmental Activist

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iNaturalist.org

European Butterflies and Moths

European Butterflies and Moths
by Christopher Jankó

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Butterflies and Moths of North America
collecting and sharing data about Lepidoptera

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Pacific Northwest Moths

Home | Species Fact Sheets | Photographic Plates | Identification Key | Moth Facts | More

Species Fact Sheets
Photographic Plates
Identification Key

About
About the Butterflies and Moths of North America project

Butterflies and Moths of North America is an ambitious effort to collect, store, and share species information and occurrence data.

Access species profiles, distribution maps, and photographic checklists or taxonomy pages, for a species of interest.

Get involved by submitting new sightings or by sharing high quality photographs.

Discover What's New: recently verified sightings, new user-submitted photographs, and other updated content.

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Mothing

Our goals are to study moth communities and teach how to collect, analyze and present data.

- Overview
- Methods
- Identification
- Results
- Analysis
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Love Motels for Insects

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SOUTHWEST MOTHS

Life History Studies of Western Moths