



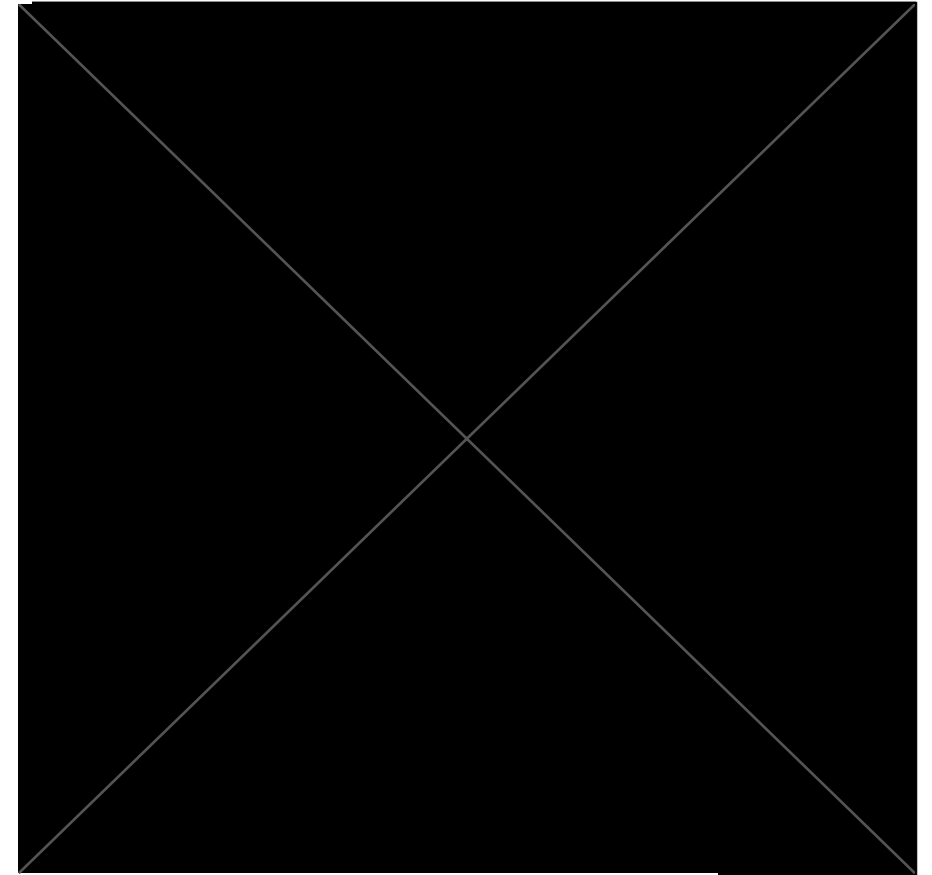
SWARM 2024

Ahead of Its Time: Opportunities for Growth in SWARM
(Safety Web for Arthropod Reproduction and Management)

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GOALS

- **Promote** the maintenance of sustainable populations for invertebrate programs and displays
 - Species selection is primarily driven by facility interest
 - Species that need management to be successful
- **Relieve** pressure on importation and wild collecting
- **Develop** and **Document** successful husbandry and reproduction
- **Identify** best practices for long term genetic management
- **Record** current population census and surplus
- **Replicate** successes at other interested institutions



PARTICIPATION LEVELS

- **Participating Facility:** A participating facility for a given species is committed to the long-term breeding and sustainable reproductive management of the species. They are expected to fill out periodic census reports to the SWARM Coordinator and help develop husbandry and rearing protocols to assist other facilities.
- **Support Facility:** A support facility for a given species is committed to holding a determined number of the species as allotted by your space available. If any mature individuals are required for breeding, we hope that the supporting facility would be willing to send the individual to a breeding facility. These facilities would also have priority for any surplus offspring from the SWARM.
- **SWARM Coordinator:** A SWARM Coordinator serves as the point person and expert for the sustainable management of a species. They are responsible for encouraging participating facilities to submit their periodic census reports, collecting information regarding the care and sustainable management of the species, and troubleshooting or answering any questions that may arise regarding the species management.

SWARM is a Cooperative and Collaborative Network between AZA and Science Centers, Insectariums, and Natural History Museums.



SWARM Updates

Aphonopelma - Zach Kaminski, zkaminski@westliberty.edu

Brachypelma - Jamie Sincage, jamie.sincage@disney.com

Grammostola - Cori Brant, cbrant@butterflies.org

Trichonephila - Kayla Garcia, garcia@stlzoo.org

Emperor Scorpion - Viani Gomez,
vgomez@californiasciencecenter.org

Malaysian long legged katydid - Lauren Davidson,
ldavidson@hmns.org

Eastern lubber grasshopper - Winton Ray,
winton.ray@cincinnatizoo.org

Blue death feigning beetle - April Pitman,
april.pitman@cincinnatizoo.org

Hercules beetle - Michelle Griesinger,
michelle.griesinger@cincinnatizoo.org

Eastern & Western Hercules beetle - Julie LaTurner,
jlaturner@houstonzoo.org

Peruvian Fire stick - Julie LaTurner

Cactus longhorn beetle - Tad Yankowski,
tad.yankowski@mobot.org

Amblypygi - Holly Carneal, hcarneal@nashvillezoo.org

Orchid Mantis - Holly Carneal

Giant Asian Mantis - Kristen Rodenburg,
kristin.rodenburg@omahazoo.org

Spirostreptidae - Jarek Sarnacki, jarek.sarnacki@pdza.org



FAMILY SPIROSTREPTIDAE

COORDINATOR: JAREK SARNACKI,
JAREK.SARNACKI@PDZA.ORG

- Giant African Millipede Species Complex
(*Archispirostreptus*, *Calostreptus*, *Mardonius*, *Spiropoeus*, *Spirostreptus*, *Triaenostreptus*, Undescribed species)
Identify population – working with taxonomists
Building a unified care guide – send husbandry protocols
Determine best practices for maintaining genetic diversity –
need institutions interested in participating in a rotational
breeding experiment
- *Orthoporus ornatus* - Desert millipede
More institutions needed





Coming soon...

Dragon headed katydid - *Lesina intermedia*
(San Diego Wildlife Alliance)

Western Horse Lubber Grasshopper -
Taeniopoda eques (Woodland Park Zoo)

High Priority Vacancies

- *Poecilotheria metallica*
- Vinegaroon



CANDIDATE PROGRAMS

Katydids

- *Copiphora rhinoceros* – Rhinoceros katydid
- *Amblycorypha oblongifolia* – Oblong winged katydid

Grasshoppers

- *Mecopoda elongata* – Longhorned grasshopper

Mantids

- *Phyllocrania paradoxa* - Ghost Mantis

Arachnids

- *Heterometrus longimanus* - Asian Forest Scorpion

Others?

If you are interested in becoming a coordinator let us (Jessie) know

Jessie.Sutherland@PDZA.org

