

Richard E. Clopton, PhD

Professor of Biology  
Editor, *Comparative Parasitology*  
Downey Family Honors Chair in Science  
Department of Natural Science  
Peru State College  
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## Education

1990-1993

PhD, University of Nebraska, Parasitology  
Dissertation (under John Janovy, Jr.): "Specificity in the gregarine assemblage parasitizing *Tenebrio molitor*."

1987-1989

MS, University of Nebraska, Entomology  
Thesis (under Roger E. Gold): "Some aspects of the biology and ecology of the common pest chigger mite, *Eutrombicula alfreddugesi*, Oudemans 1912."

1983-1987

BS, University of Nebraska, Agriculture, Entomology

## Grantsmanship

1998

National Science Foundation:  
Research Experience for Undergraduates  
*Supplemental grant to NSF DEB-9705179.*  
Funded: May 15, 1998-May 15, 1999; \$10,000

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National Science Foundation:  
Research Experience for Undergraduates  
*Supplemental grant to NSF DEB-9705179.*  
Funded: May 15, 1997-May 15, 1998; \$10,000

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National Science Foundation.  
*Microbiological Survey & Inventory: Eugregarinida (Protista: Apicomplexa) parasitizing selected mandibulate arthropods of the Nebraska Sandhills.* NSF DEB-9705179.  
Funded: May 15, 1997-May 15, 2000; \$199,780



## Refereed Publications





Professor of Biology

Editor, *Comparative Parasitology*

Downey Family Endowed Honors Chair in Science

Department of Natural Science

Peru State College, Peru, NE

Lecture responsibilities (1995-Present)

Introductory Biology, Honors Biology, Zoology, Botany, Horticulture, Human Physiology, Genetics, Plant Systematics, Invertebrate Zoology, Entomology, Comparative Vertebrate Anatomy, Human Clinical Parasitology, and Experimental Biology

Scientific research

Systematics & Taxonomy of Gregarines parasitizing mandibulate arthropods; Evolutionary systematics; Evolution of symbiosis

Extramural funding by the National Science Foundation

Strong undergraduate research component

Summer Biological Survey & Inventory Expeditions, 1997 - 2005

1999

National Science Foundation:

Research Experience for Undergraduates

*Supplemental grant to NSF DEB-9705179.*

Funded: May 15, 1999-May 15, 2000; \$10,000

2000

National Science Foundation:

Research Experience for Undergraduates

*Supplemental grant to NSF DEB-9705179.*

Funded: May 15, 2000-May 15, 2001; \$10,000

## **Position**

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2004





National Science Foundation











*Microbiological Survey & Inventory of gregarines parasitizing aquatic and riparian insects of the Texas Big Thicket.*















NSF DEB 0340774











Funded: Oct 1, 2004-2007; \$200,000



	Clopton, R. E. 2009. Phylogenetic Relationships, Evolution, and Systematic Revision of the Septate Gregarines (Apicomplexa: Eugregarinorida: Septatorina). <i>Comparative Parasitology</i> 76: 167-190.
	Clopton, R. E., T. J. Cook, and J. L. Cook. 2008. <i>Gregarina tropica</i> n. sp. (Apicomplexa: Eugregarinorida: Gregarinicae: Gregarinidae) Parasitizing the Brown-winged Earwig, <i>Vostox brunneipennis</i> (Dermaptera: Labiidae), in the Texas Big Thicket. <i>Comparative Parasitology</i> 75:215-227.
	Clopton, R. E., T. J. Cook, and J. L. Cook. 2008. <i>Trichurispora wellgundis</i> n. g., n. sp. (Apicomplexa: Eugregarinorida: Hirmocystidae) parasitizing adult Water Scavenger Beetles, <i>Tropisternus collaris</i> (Coleoptera: Hydrophilidae) in the Texas Big Thicket. <i>Comparative Parasitology</i> 75: 82-91.
	Realzola, E., J. L. Cook, T. J. Cook, and R. E. Clopton. 2007. Composition of gyrenid aggregations in the East Texas Primitive Big Thicket. <i>Coleopterist's Bulletin</i> 61:495-502.
	Hays, J. J., R. E. Clopton, T. J. Cook and J. L. Cook. 2007. Revision of the Genus <i>Nubenocephalus</i> and Description of <i>Nubenocephalus secundus</i> N. Sp. (Apicomplexa: Actinocephalidae) Parasitizing Adults of <i>Argia sedula</i> (Odonata: Zygoptera: Coenagrionidae) in the Primitive Texas Big Thicket, U.S.A. <i>Comparative Parasitology</i> . 74: 286-293.

	Clopton, R.E., T. J. Cook and J. L. Cook. 2007. Revision of <i>Geneiorhynchus</i> Schneider, 1875 (Apicomplexa: Eugregarinida: Actinocephalidae: Acanthosporinae) with Recognition of 4 New Species of <i>Geneiorhynchus</i> and Description of <i>Geneiorhynchus manifestus</i> N. Sp. Parasitizing Naiads of the Green Darner, <i>Anax junius</i> (Odonata: Aeshnidae) in the Texas Big Thicket. <i>Comparative Parasitology</i> 74: 273-285.
	Clopton, R. E., and J. J. Hays. 2006. Revision of the Genus <i>Protomagalhaensia</i> and Description of <i>Protomagalhaensia wolfi</i> n. comb. (Apicomplexa: Eugregarinida: Hirmocystidae) and <i>Leidyana haasi</i> n. comb. (Apicomplexa: Eugregarinida: Leidyaniidae) Parasitizing the Lobster Cockroach, <i>Nauphoeta cinerea</i> (Dictyoptera: Blaberidae) <i>Comparative Parasitology</i> 73: 137-156.
	Clopton, R. E. 2006. Two New Species of <i>Xiphocephalus</i> in <i>Eleodes tricostata</i> and <i>Eleodes fusiformis</i> (Coleoptera: Tenebrionidae: Eleodini) from The Sandhills of Western Nebraska. <i>Journal of Parasitology</i> 92: 569-577.
	Welsh, D., R. E. Clopton, and L. Parris. 2006. Differential Temperature Acclimatization Responses in the Membrane Phospholipids of <i>Posthodiplostomum minimum</i> and its Second Intermediate Host, <i>Lepomis macrochirus</i> . <i>Journal of Parasitology</i> 92: 764-769.
	Hays, J., R. E. Clopton, D. L. Cappaert, and D. R. Smitley. 2004. Revision of the genus <i>Stictospora</i> and description of <i>Stictospora villani</i> , n. sp. (Apicomplexa: Eugregarinida: Actinocephalidae) from the Japanese beetle <i>Popillia japonica</i> (Coleoptera: Scarabaeidae) in Michigan, USA. <i>Journal of Parasitology</i> 90:1450-1456.
	Clopton, R. E. 2004. Standard nomenclature and metrics of plane shapes for use in gregarine taxonomy. <i>Comparative Parasitology</i> 71: 130-140.
	Clopton, R. E. 2004. <i>Calyxocephalus karyopera</i> g. nov., sp. nov. (Eugregarinorida: Actinocephalidae: Actinocephalinae) from the ebony jewelwing damselfly <i>Calopteryx maculata</i> (Zygoptera: Calopterygidae) in southeast Nebraska: implications for mechanical prey-vector stabilization of exogenous gregarine development. <i>Comparative Parasitology</i> 71: 141-153.
	Clopton, R. E., T. J. Cook, and J. L. Cook. 2004. <i>Naiadocystis phykoterion</i> n. gen., n. sp. (Apicomplexa: Eugregarinida: Hirmocystidae) from the mexican pygmy grasshopper <i>Paratettix mexicanus</i> (Orthoptera: Tetrigidae) in the Texas Big Thicket with recognition of three previously described species of <i>Naiadocystis</i> . <i>Journal of Parasitology</i> 90: 301-307.
	Smith A., and R. E. Clopton. 2003. Efficacy of oral metronidazole and potassium sorbate against two gregarine parasites, <i>Protomagalhaensia granulosae</i> and <i>Gregarina cubensis</i> (Apicomplexa: Eugregarinida) infecting the Death's Head Cockroach, <i>Blaberus discoidalis</i> . <i>Comparative Parasitology</i> 70: 196-199.
	Leander, B. S., R. E. Clopton, and P. J. Keeling. 2003. Phylogeny of gregarines (Apicomplexa) as inferred from small-subunit rDNA and beta-tubulin. <i>International Journal of Systematic and Evolutionary Microbiology</i> 55: 345-354.
	Clopton, R. E., and C. M. Nolte. 2002. <i>Clitellocephalus americanus</i> n. gen., n. sp. (Apicomplexa: Eugregarinida: Gregarinidae) from <i>Cratacanthus dubius</i> (Coleoptera: Carabidae: Harpalinae) in the Nebraska Sandhills and <i>Clitellocephalus ophoni</i> n. comb. (Apicomplexa: Eugregarinida: Gregarinidae) from <i>Ophonus pubescens</i> (Coleoptera: Carabidae: Harpalinae) in Sète, France. <i>Journal of Parasitology</i> 88: 750-757.

	Clopton, R. E., and A. Smith. 2002. Efficacy of oral sulfadimethoxine against two gregarine parasites, <i>Protomagalhaensia granulosae</i> and <i>Gregarina cubensis</i> (Apicomplexa: Eugregarinida) infecting the Death's Head Cockroach, <i>Blaberus discoidalis</i> . <i>Journal of Parasitology</i> 88: 786-789.
	Clopton, R. E. 2002. Phylum Apicomplexa Levine, 1970: Order Eugregarinorida Léger, 1900. Pages 205-288 in: <i>Illustrated Guide to the Protozoa</i> , 2 <sup>nd</sup> edition, J. J. Lee, G. Leedale, D. Patterson, and P. C. Bradbury, eds. Society of Protozoologists, Lawrence, Kansas.
	Cook, T. J., J. Janovy, Jr., and R. E. Clopton. 2001. Epimerite-host epithelium relationships among eugregarines parasitizing the damselflies <i>Enallagma civile</i> and <i>Ischnura verticalis</i> . <i>Journal of Parasitology</i> 87: 988-996.
	Clopton, R. E. 2000. <i>Stylocephalus occidentalis</i> n. sp. (Apicomplexa: Eugregarinida: Stylocephalidae) from <i>Trimytis pruinosa</i> (Coleoptera: Tenebrionidae) in the Nebraska Sandhills. <i>Journal of Parasitology</i> 86: 560-565.
	Clopton, R. E., and R. R. Kula. 1999. <i>Amoebogregarina nigra</i> n. gen., n. comb. (Apicomplexa: Gregarinidae) From Adult <i>Melanoplus differentialis</i> (Orthoptera: Acrididae) in Southeastern Nebraska. <i>Journal of Parasitology</i> 85: 321-325.
	Clopton, R. E. 1999. Revision of the genus <i>Xiphocephalus</i> and description of <i>Xiphocephalus ellisi</i> n. sp. (Apicomplexa: Eugregarinida: Stylocephalidae) from <i>Eleodes opacus</i> (Coleoptera: Tenebrionidae) in the western Nebraska Sandhills. <i>Journal of Parasitology</i> 85:84-89.
	Lucarotti, C. J., T. L. Leclerc, and Clopton, R. E. 1998. Incidence of <i>Leidyana canadensis</i> (Apicomplexa: Eugregarinida) in <i>Lambdina fiscellaria fiscellaria</i> larvae (Lepidoptera: Geometridae). <i>Canadian Entomologist</i> 130: 583-594.
	Clopton, R. E. 1998. Revision of the genus <i>Torogregarina</i> and description of <i>Torogregarina sphinx</i> n. Sp. (Apicomplexa: Eugregarinida) from a Missouri river bank beetle, <i>Bembidion laevigatum</i> (Coleoptera: Carabidae), in southeastern Nebraska. <i>Journal of Parasitology</i> 84: 823-827.
	Clopton, R. E. and C. J. Lucarotti. 1997. <i>Leidyana canadensis</i> N. Sp. (Apicomplexa: Eugregarinida) from larval Eastern Hemlock Looper, <i>Lambdina fiscellaria fiscellaria</i> (Lepidoptera: Geometridae). <i>Journal of Eukaryotic Microbiology</i> 44: 383-387.
	Janovy, Jr., S. D. Snyder, and R. E. Clopton. 1997. Evolutionary constraints on population structure: the parasites of <i>Fundulus zebrius</i> (Pisces: Cyprinodontidae) in the South Platte River of Nebraska. <i>Journal of Parasitology</i> 83: 584-592.
	Clopton, R. E. 1995. <i>Leidyana migrator</i> n. sp. (Apicomplexa: Leidyaniidae) from the Madagacar hissing cockroach, <i>Gromphadorhina portentosa</i> (Insecta: Blattodea). <i>Invertebrate Biology</i> 114: 271-278.
	Clopton, R. E. and R. E. Gold. 1996. Host Specificity of <i>Gregarina blattarum</i> among Five Species of Domiciliary Cockroaches. <i>Journal of Invertebrate Pathology</i> 67: 219-223.
	Clopton, R. E. 1995. <i>Domadracunculus janovyii</i> n. gen., n. sp., (Apicomplexa: Actinocephalidae) described from adults of <i>Ischnura verticalis</i> (Odonata: Zygoptera) in Texas. <i>Journal of Parasitology</i> 81:256--260.
	Clopton, R. E. and R. E. Gold. 1995. Effects of pH on excystation in <i>Gregarina cuneata</i> and <i>Gregarina polymorpha</i> (Eugregarinida: Gregarinidae). <i>Journal of Eukaryotic Microbiology</i> 42: 540-544.

	Percival, T. J., R. E. Clopton and J. Janovy, Jr. 1995. <i>Hoplorhynchus acanthatholius</i> N. Sp. and <i>Steganorhynchus dunwoodii</i> N. Gen. N. Sp. (Apicomplexa: Eugregarinorida) described from Coenagrionid Damselflies. <i>Journal of Eukaryotic Microbiology</i> 42: 406-410.
	Janovy, Jr., R. E. Clopton, D. A. Clopton, S. Snyder, A. Efting and L. Krebs. 1994. Species density distributions as null models for ecologically significant interactions of parasite species in an assemblage. <i>Ecological Modeling</i> 77: 189-196.
	Clopton, R. E. and R. E. Gold. 1993. Distribution and Seasonal and diurnal activity patterns of <i>Eutrombicula alfreddugesi</i> (Acari: Trombiculidae) in a forest edge ecosystem. <i>Journal of Medical Entomology</i> 30: 47--53.
	Clopton, R. E. and J. Janovy, Jr. 1993 Developmental niche structure in the gregarine assemblage parasitizing <i>Tenebrio molitor</i> . <i>Journal of Parasitology</i> 79:701--709.
	Clopton R. E., T. J. Percival and John Janovy, Jr. 1993. <i>Nubenocephalus nebraskensis</i> N. Gen., N. Sp. (Apicomplexa: Actinocephalidae) described from <i>Argia bipunctulata</i> (Odonata: Zygoptera). <i>Journal of Parasitology</i> 79: 533--537.
	Ferdig, T., M. A. McDowell, R. E. Clopton and Janovy, J. Jr. 1993. Patterns of morphological variation of <i>Salsuginus yutanensis</i> (Monogenera: Ancyrocephalidae) over space and time. <i>Journal of Parasitology</i> 79: 744-750.
	Clopton, R. E. and R. E. Gold. 1992. Bite-Count evaluation of the repellency of N,N-Diethyl-3-methylbenzamide to larval <i>Eutrombicula alfreddugesi</i> (Acari: Trombiculidae). <i>Journal of Medical Entomology</i> 29: 858-863.
	Clopton R. E., T. J. Percival and John Janovy, Jr. 1992. Host Stadium Specificity in the gregarine assemblage parasitizing <i>Tenebrio molitor</i> . <i>Journal of Parasitology</i> 78: 334--337.
	Clopton R. E., T. J. Percival and John Janovy, Jr. 1992. <i>Gregarina coronata</i> N. Sp. (Apicomplexa: Eugregarinorida) described from adults of the Southern Corn Rootworm, <i>Diabrotica undecimpunctata howardi</i> . <i>Journal of Protozoology</i> 39: 417--420.
	Janovy, Jr., R. E. Clopton and T. J. Percival. 1992. The Roles of ecological and evolutionary influences in providing structure to parasite species assemblages. <i>Journal of Parasitology</i> 78: 630-640.
	Clopton R. E., T. J. Percival and John Janovy, Jr. 1991. <i>Gregarina niphandrodes</i> N. Sp. (Apicomplexa: Eugregarinorida) from adult <i>Tenebrio molitor</i> (L.) with oocyst descriptions of other gregarine parasites of the Yellow Mealworm. <i>Journal of Protozoology</i> 38:472--483.
	Clopton R. E. 1991. A review of the Scaritinid Beetles (Coleoptera: Carabidae) of Nebraska. <i>Transactions of the Nebraska Academy of Science</i> 18: 53--65.