

Taxonomic Summaries

ENGEL, A.S., OBSERVATIONS ON THE BIODIVERSITY OF SULFIDIC KARST HABITATS (Journal of Cave and Karst Studies)

XXX = identification or observation of an organisms, but no taxonomic classification made

* = endemic species; (sulfur) = found in sulfidic portion of cave, if sulfidic and non-sulfidic sections exist

Compiled from: Estrada, D.A., and Mejía-Recamier, B.E., 2005, Cunaxidos de la Cueva de las Sardinias, Tabasco, Mexico VII Congreso Nacional de Espeleología, p. 44-46.
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Phyla/class/order	Class	Move Cave	Frasassi Caves	Fiume Coperto	Cueva de Villa Luz	Edwards	Lowé Kane Cave
Ciliophora	Oligohymenophorea	Dendrocoelum sp.		Uronema marinum			
Turbellaria							
Nematoda	Rhabditidea	Protohabditis n. sp.*				XXX	
	Araeolaimida	Panagrolaimus n. sp.* Chronogaster troglodytes*					
Rotifera	Bdelloidea	Habrotrocha rosa Habrotrocha bidens					
	Monogononta			Colurellidae indet.			
Annelida	Oligochaeta	Aeolosoma hyalinum Aeolosoma litorale					
	Hirudinea	Haemopsis caeca*		Dina lineata			
Mollusca	Lumbricidae	Allolobophora sp.	Rhynchelmis n. sp. * (sulfur)				
	Gastropoda	Heleobia dobrogica *	Islamia pusilla (sulfur)	Islamia sp. Oxychilus draparnaudi Limax sp.			Physella spelunca* (sulfur)
Arachnida	Acari						
	Nicolettiellidae	Labidostoma motasi *	Labidostoma cornuta (sulfur)				
	Labidostomatidae						
	Mesostigmata				Sejus sp. (sulfur) Metagynella sp. Phaulodinychus sp. Trichouropoda sp. Gamasselus sp. Rhodacarus minimus Glypholaspis sp. Gamaseloides sp. (sulfur) Lasioseius sp. Geotaelaps sp. Hypoaspis sp. Protolaelaps sp. (sulfur) Coleuscirus ca. breslauensis (sulfur) Coleuscirus ca. simplex Cunaxoides ca. nicobarensis Cunaxoides sp. Dactyloscirus sp. 1 (sulfur) Dactyloscirus sp. 2 (sulfur) Neoscirula ca. luxtoni Neoscirula ca. delareyi Neoscirula sp. (sulfur) Pseudobonzia sp. (sulfur) Pulaeus ca. pectinatus Pulaeus sp. 1 Pulaeus sp. 2 Robustochetes sp. Histiotoma ca. bakeri Histiotoma ca. himalayae Histiotoma ca. piloseta Histiotoma ca. sextoni Histiotoma sp. 1 (sulfur) * Histiotoma sp. 2 Histiotoma sp. 3		
	Prostigmata						
	Astigmata						

				Histiostoma sp. 4 Neoguanolichus sp. (sulfur) Winterschmidtia sp. Nycteriglyphagus sp. Rhyzoglyphus ca. callae Rhyzoglyphus ca. robini Sancasannia ca. mycophagus (sulfur) Schwiebea sp. (sulfur) Tyrophagus ca. neiswanderi Tyrophagus ca. similis Euryacarus pilosus Malaconothrus ca. angulatus Malaconothrus ca. peruenis Malaconothrus ca. granulosis Malaconothrus peruenis Malaconothrus sp. Berlesezetes braziliotoides Cubabodes ca. radiatus Beckliella sp. Ceratozetes sp. Galumna ca. hamifer Galumna hamifer Cultroribula sp. Flagrosuctobelba multiplumosa Rostrozetes foveolatus Scheloribates elegans Scheloribates sp. Aeroppia ca. nasalis Aeroppia nasalis Aeroppia sp. Amerioppia similis Vietoppia sp. Intermedioppia ca. alvarezi (sulfur) Similoppia (Reductoppia) sp. Antricola sp.	
	Cryptostigmata				
	Metastigmata				
	Aranaea				XXX
	Metidae		Meta menardi		
	Araneidae			Metazygia incerta	
	Theridiidae	Marianana mihali *			
	Linyphiidae	Lepthyphantes constantinescui *	Porrhomma n. sp. * (sulfur) Lepthyphantes n. sp. * (sulfur) Lepthyphantes pallidus (sulfur) Centromerus pasquinii (sulfur)		
		Agraecina cristiani *			
	Clubionidae				
	Corinnidae				
	Nesticidae	Nesticus n.sp. *	Nesticus eremita (sulfur)	Nesticus eremita	Gaucelmus calidus XXX Maymena mayana
	Hahnidae	Hahnia caeca *			
	Mysmenidae				
	Pholcidae			Pholcus phalangoides	
	Pisuridae				Tinus sp. Mexigenus sp. Scytodes intricata Tetragnatha elongata XXX
	Salticidae				
	Scytodidae				
	Tetragnathidae				
	Phalangida				
	Opliones				XXX (sulfur)
	Pseudoscorpiones				
	Chthoniidae	Chthonius monicae *	Chthonius n. sp. * (sulfur)	Chthonius ischnocheles	XXX (sulfur)
	Neobisiidae	Roncus dragobete * Roncus ciobanmos *		Neobisium n. sp.	
	Lechytidae				Lechytia sp. Ideoblothrus sp. (sulfur) Cordyllochernes sp. Lustrochernes sp. XXX
	Syarinae				
	Chernetidae				
	Schizomida				
	Scorpiones			Euscorpius flavicaudis	
Crustacea	Copepoda	Eucyclops subterraneus scythicus * Tropocyclops prasinus		Eucyclops serrulatus Tropocyclops prasinus Ectocyclops phaleratus	
	Ostracoda	Pseudocandona sp. cfr. eremita *			
	Bathynellacea				
	Thermosbaenacea				
	Amphipoda				
	Gammaridae	Niphargus sp. cfr. stygius * Pontoniphargus racovitzai *	Niphargus ictus * (sulfur)	Niphargus stefanelli	
	Artesiidae				Artesia subterranea
	Isopoda				
	Asellidae	Asellus aquaticus infernus *		Proasellus coxalis	
	Oniscidea		Androniscus dentiger (sulfur)	Androniscus sp.	

	Trichoniscidae	Caucasonethes n.sp. * Haplophthalmus n.sp. * Trachelipus troglobius * Armadillidium tabacarui *		Trichoniscus matulici		
	Trachelipodidae					
	Armadillidiidae					
	Porcellionidae			Euporcello dilatatus		
	Decapoda					
	Shimps					
	Crayfish					
	Crabs					
Chilopoda		Geophilus sp. cfr. insculptus Clinopodes trebevicensis Cryptops anomalans Symphynella sp. Archiboreoiulus n.sp. *		Scutigera coleoptrata Lithobius dahlii Himantarium gabrielis		
Symphyla						
Diplopoda				XXX		
Hexapoda						
	Thysanura					
	Diplura					
	Collembola	Plusiocampa isterina * Plusiocampa euxina * Onchopodura vioreli * Onychiurus movilae * Heteromurus cfr. nitidus	Deuteraphorura frassasi * (sulfur) Neelus murinus (sulfur)		Mesaphorura yosii Entomobrya sp. Heteromurus major Lepidocyrtus sp. Pseudosinella ca. collina Pseudosinella orba Cryptopygus ca. termophilus Cryptopygus termophilus Isotoma sp. Isotomiella minor Isotomurus retardatus Folsomia onychiurina Americanura ca. macgregori Nectroplella quinqueoculata Pseudochorutes sp. Xenyllodes sp. Ceratoophysella ca. succinea Xenylla ca. humicola Arrhophaltes sp. Sminthurinus quadrimaculatus Ptenothrix marmorata Megalothorax minimus	Folsomia sp. (candida)
Insecta						
	Orthoptera					
	Raphidophoridae			Dolichopoda geniculata Gryllomorpha dalmatina		
	Gryllidae					
	Dermaptera					
	Hemiptera					
	Heteroptera	Nepa anophthalma *		Nepa cinerea		
	Homoptera					
	Coleoptera					
	Carabidae			Laemostenus (Actenipus) latalis Duvallius n. sp.		
	Cilvinae	Clivina subterranea *	Duvallius bensai lombardi * (sulfur)		Hister sp.	
	Histeridae					
	Platypodidae	Tychobythinus n.sp. * Decumarellus sarbui *		Tychobythinus n. sp.		
	Pselaphidae					
	Ptilidae					
	Scydmaenidae					
	Staphylinidae	Medon dobrogicus *			Anotylus sp.	
	Diptera					
	Limoniidae			Limonia nubeculosa		
	Culicidae			Culex sp.		
	Lepidoptera			Apoestes spectrum		
	Hymenoptera				Hypoponera sp. Leptothorax sp. 1 Leptothorax sp. 2 Pachycondyla sp. Prionopelta modesta Solenopsis sp. 1 (sulfur) Solenopsis sp. 2 Strumigenys sp. Tetramorium sp. Wasmannia auropunctata Adraneothrips sp. Zeugmatothrips prisueri	
	Thysanoptera					
Osteichthyes						
	Poeciliidae				Poecilia sulphuraria (sulfur)	
	Siluriformes, Ictaluridae					Satan eurystomus Troglanis pattersoni