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# MITES FROM MAMMALS AT THE NEVADA TEST SITE<sup>1</sup>

Dorald M. Allred and Morris A Goates

During ecological studies at the nuclear test site north of Mercury, Nye County, Nevada (Allred, Beck and Jorgensen, 1963), mites were recovered from many vertebrates. Data on some collections were published by Allred (1962, 1962a, 1964), Allred and Beck (1962), Goates (1963), and Allred and Goates (1964). Additional collections represent eleven new mite-host associations, ten new distribution records for the test site and apparently for Nevada, and an unusual record of erythraeid mites of the genus *Caeculisoma* crawling on bats. These larvae are normally parasitic on arthropods. Although other arthropods were not found on the bats in our study, dipterous or other parasites may have left the hosts before we examined them.

We are grateful to James M. Brennan and Conrad E. Yunker, Rocky Mountain Laboratory, and Frank J. Radovsky, Hooper Foundation, for identification and verification of some of our mites. Some mites not reported here represent several undescribed species. These are being studied by these men who likely will describe them in subsequent publications.

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TABLE 1. Mite-host associations at the Nevada Test Site.

Mite	Stage	Host	Date of Collection
MESOSTIGMATA			
<i>Androlaelaps leviculus</i>	1 ♂ 1 ♀	<i>Peromyscus</i> sp.	Oct
<i>Brevisterna utahensis</i>	1 ♀	<i>Peromyscus crinitus</i>	Nov
<i>Dermanyssus becki</i>	2pn 8dn 3 ♂ 3 ♀	<i>Peromyscus crinitus</i>	Apr Jun Jul
* <i>Eubrachylaelaps circularis</i>	3 ♀	<i>Peromyscus truei</i>	June Jul
* <i>Eubrachylaelaps debilis</i>	2 ♀	* <i>Peromyscus truei</i>	Mar
	1 ♀	<i>Peromyscus crinitus</i>	Jun
* <i>Eubrachylaelaps hollisteri</i>	35 ♀	<i>Peromyscus crinitus</i>	Jan Jun Jul Oct Nov
<i>Haemogamasus pontiger</i>	1 ♀	* <i>Peromyscus crinitus</i>	Nov
<i>Haemolaelaps glasgowi</i>	1pn 2 ♀	<i>Peromyscus maniculatus</i>	Jun Nov
	4 ♀	<i>Peromyscus truei</i>	Apr May Jul
	1pn 4dn 3 ♂ 41 ♀	<i>Thomomys umbrinus</i>	Jan Mar May
* <i>Hirstionyssus carnifex</i>	1 ♀	* <i>Peromyscus crinitus</i>	Jun
<i>Ischyropoda armatus</i>	2 ♀	* <i>Peromyscus crinitus</i>	Jun
<i>Kleemanina</i> sp.	28 ♀	* <i>Peromyscus crinitus</i>	Jun
	1 ♀	<i>Peromyscus maniculatus</i>	Apr
	3 ♀	<i>Peromyscus truei</i>	Mar

Table 1 continued.

* <i>Steatonyssus antrozoi</i>	1 ♀	<i>Thomomys umbrinus</i>	Mar
	6 ♀	<i>Antrozous pallidus</i>	Jul
TROMBIDIFORMES			
* <i>Caeculisoma</i> sp.	7 la	<i>Pipistrellus hesperus</i>	Nov
	2 la	<i>Corynorhinus townsendii</i>	Nov
* <i>Euschöngastia cordiremus</i>	2 la	<i>Peromyscus maniculatus</i>	Nov
<i>Euschöngastia criceticola</i>	27 la	<i>Peromyscus maniculatus</i>	Feb Jul
	3 la	* <i>Sorex tenellus</i>	Aug
<i>Euschöngastia decipens</i>	10 la	<i>Perognathus parvus</i>	Sept Oct
<i>Euschöngastia fasolla</i>	2 la	* <i>Eutamias dorsalis</i>	Apr
* <i>Euschöngastia lanei</i>	1 la	<i>Peromyscus maniculatus</i>	Jul
* <i>Odontacarus hirsutus</i>	1 la	* <i>Bassariscus astutus</i>	Sept
<i>Odontacarus linsdalei</i>	1 la	* <i>Peromyscus maniculatus</i>	Nov
<i>Sasacarus</i> sp. "w"	1 la	* <i>Peromyscus</i> sp.	Aug
<i>Trombicula arenicola</i>	2 la	* <i>Sorex tenellus</i>	Aug
	5 la	<i>Spermophilus tereticaudus</i>	Aug
* <i>Whartonia perplexa</i>	1 la	<i>Antrozous pallidus</i>	Jul

\*Mite: new distribution record for Nevada; host: new mite-host association.