RECORDS OF MINOR FAMILIES OF COLEOPTERA FROM OKLAHOMA

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Seventy-seven species representing twenty-six minor families of Coleoptera are listed from Oklahoma. Publications concerning Oklahoma Coleoptera in general are cited.

As with many states, information concerning the Coleoptera of Oklahoma is relatively scant and generally centered upon economically important families or larger and more conspicuous beetles. Two notable exceptions are the works of Dr. Harley P. Brown (University of Oklahoma) in the area of aquatic dryopoid beetles and those of Dr. William A. Drew (Oklahoma State University) with several minor families.

To increase our knowledge of minor families in Oklahoma, an effort has been made over the past year to record those species which are present and which have received little attention. Taxa mentioned herein are represented by specimens either in the Entomology Range of Stovall Museum of Science and History at the University of Oklahoma or in the author's collection. Specimens from central Oklahoma make up the bulk of the records. Although many of the collections constitute new state records, this is due mainly to the lack of attention paid to these groups in the past and not due to recent migration into Oklahoma. Table 1 lists the species with months of collection and any ecological information available with the specimens. The inclusion or deletion of particular minor families is more a result of choice than of any intrinsic character of those families. Most attention was given to families with which the author was most familiar. Additional records will be presented as time permits. This list is not meant to be considered as complete but only as a starting point for most of the families. It is hoped that it will serve to stimulate further work with minor families of Coleoptera in Oklahoma.

To avoid repetition of other works and to assess what has been done with beetles in Oklahoma, a listing of publications concerning the Coleoptera of Oklahoma was prepared and is given in Table 2. The many reviews and revisions for various families for the whole United States that mention Oklahoma were deleted so as to make the list manageable.

### Table 1. Oklahoma Coleoptera

<table>
<thead>
<tr>
<th>Taxa</th>
<th>Months of collection</th>
<th>Ecological data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cupedidae</td>
<td>VI — IX</td>
<td>LT&lt;sup&gt;a&lt;/sup&gt;</td>
</tr>
<tr>
<td><em>Cupes concolor</em> Westw.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silphidae</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Necrophorus cardinis</em> Linn.</td>
<td>IV, V</td>
<td>on mushroom</td>
</tr>
<tr>
<td><em>N. surogatus</em> Fab.</td>
<td>III, IV, X</td>
<td></td>
</tr>
<tr>
<td><em>N. obscurus</em> Kby.</td>
<td>IV</td>
<td></td>
</tr>
<tr>
<td><em>N. orbicollis</em> Say</td>
<td>VI, VIII</td>
<td></td>
</tr>
<tr>
<td><em>N. postulatus</em> Herschel</td>
<td>VII</td>
<td></td>
</tr>
<tr>
<td><em>N. tomentosus</em> Web.</td>
<td>V, VI</td>
<td>on carrion</td>
</tr>
<tr>
<td><em>Phylus truncata</em> Say</td>
<td>VII</td>
<td></td>
</tr>
<tr>
<td><em>Silpha americana</em> Linn.</td>
<td>IV, VI</td>
<td></td>
</tr>
<tr>
<td><em>S. inaequalis</em> Fab.</td>
<td>III, IV, VI</td>
<td></td>
</tr>
<tr>
<td><em>S. novembroracensis</em> Forst.</td>
<td>V, VI</td>
<td>on carrion</td>
</tr>
<tr>
<td><em>S. surinamensis</em> Fab.</td>
<td>V — VIII</td>
<td>on carrion, LT</td>
</tr>
<tr>
<td>Leptodiridae</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Catops basilaris</em> Say</td>
<td>V, VI</td>
<td>LT</td>
</tr>
<tr>
<td><em>C. terminans</em> LeC.</td>
<td>II</td>
<td>in <em>Neotoma</em> nest</td>
</tr>
<tr>
<td><em>Plataphagus fimbri</em> Horn</td>
<td>VI</td>
<td>LT</td>
</tr>
<tr>
<td>Scaphidiidae</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Scaphidium quadriguttatum</em> Say</td>
<td>III — VI, IX, X</td>
<td>in rotten log, in fungi</td>
</tr>
</tbody>
</table>

<sup>a</sup> LT = little information
<table>
<thead>
<tr>
<th>Taxa</th>
<th>Months of collection</th>
<th>Ecological data</th>
</tr>
</thead>
</table>
| Eucinetidae  
  *Eucinetus morio* LeC.  
  *E. terminalis* LeC. | V — IX  
  IV, VI, VII | LT  
  LT |
| Philodactylidae  
  *Philodactyla angustata* Horn  
  *P. serricollis* (Say) | VI — IX  
  V — X | LT  
  LT |
| Chelonariidae  
  *Chelonaratum lecontei* Thomson | VI | |
| Rhipiceridae  
  *Zenoa picea* (Beauvois) | VII, VIII | in rotten log, LT |
| Saldalidae  
  *Sandalus niger* Knoch | VII | at light, on ground |
| Cebrionidae  
  *Scaptolentus lecontei* (Salle)  
  *Selenodrom antennatus* Schfr.  
  *S. compositus* Fall | VIII — X  
  VII  
  VI, VII | flying, LT  
  LT |
| Throsidae  
  *Trixagus chevroleti* (Bonvouloir) | V — VIII | in *Neotoma* nest, LT |
| Phengodidae  
  *Phengodes fuscieps* LeC. | VI — VIII | LT |
| Lycaenidae  
  *Celetes basilis* LeC.  
  *Calopteron discrepans* (Newman)  
  *C. reticulum* (Fab.)  
  *C. terminale* (Say) | VI  
  V, VI  
  XI  
  IV | LT  
  flying  
  flying  
  flying |
| Noso dendridae  
  *Noso dendron unicolor* Say | V — VII, X | in elm wound, LT |
| Euglenidae  
  *Elymnus basilis* (LeC.)  
  *E. nebulosus* (LeC.)  
  *E. princeps* Casey  
  *Phomalus saginatus* Casey  
  *Pseudariotes notatus* (LeC.)  
  *Scanylus laterolus* Casey  
  *Zonantes ater* (LeC.)  
  *Z. subsessilis* (LeC.) | VII  
  VI, VIII, IX  
  VI — IX  
  VI — IX  
  V  
  VII, IX  
  VIII, IX  
  IV — X | LT  
  LT  
  LT  
  LT  
  LT  
  LT  
  LT |
| Rhizophagidae  
  *Monotoma parallela* LeC. | VIII | |
| Sphingidae  
  *Sphindus triniger* Casey | VI, VII | LT |
| Byturididae  
  *Byturus sp.* | IV, V | in flowers of *Rubus*, and of *Ruellia strepian* |
| Languriidae  
  *Pharaxonotba kirschi* Reitter | VIII | LT |
| Trogostitidae  
  *Arora cylindrica* (Serville)  
  *Tenuirochleae virescens* (Fab.)  
  *Tenebroides americanaus* (Kirby)  
  *T. himaculatus* (Melsh.)  
  *T. corticalis* Melsh.  
  *T. laticollis* (Horn)  
  *T. marginatus* (Palisot de Beauvois)  
  *T. maritimus* (Linn.)  
  *T. nanus* (Melsh.) | IV, V, X  
  VI, VII  
  V  
  VI  
  I, IV, V, X, XI  
  IV, XII  
  IV  
  IV  
  X | under bark  
  LT  
  LT  
  LT  
  LT  
  LT  
  LT  
  LT |
| Rhiphiphoridae  
  *Macrophyglos octomaculatum* (Gerst.)  
  *M. dimidiatum* (Fab.) | VI  
  VI, VII | |
| Erotylidae  
  *Elchurus quadripunctatus* Oliv.  
  *Megalomacra fasciata* Fab.  
  *Triplax flavicollis* LeC.  
  *T. macra* LeC.  
  *T. puncticeps* Casey  
  *Triatoma angulata* Say | IV, VI, IX  
  III — V, VII — IX  
  IV, VI  
  X, XI  
  II, X  
  V | in bracket fungus, LT  
  under bark, LT  
  LT  
  LT  
  ex *Pleurotus*, in *Neotoma* nest  
  in gill fungus |
<table>
<thead>
<tr>
<th>Taxa</th>
<th>Months of collection</th>
<th>Ecological data</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>T. atriventris</em> LeC.</td>
<td>I, V, X</td>
<td>in rotten fungus, in gill fungus, in <em>Neotoma</em> nest</td>
</tr>
<tr>
<td><strong>Endomychidae</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Endomychus biguttatus</em> Say</td>
<td>I, IV, V, XII</td>
<td>on bracket fungus, under bark</td>
</tr>
<tr>
<td><em>Lycoperda ferruginea</em> LeC.</td>
<td>II, III</td>
<td>ex <em>Lycoperda</em> in <em>Neotoma</em> nest</td>
</tr>
<tr>
<td><strong>Mycetophagidae</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Lilamigus balteatus</em> LeC.</td>
<td>VI — VIII</td>
<td>in rotten fungus, LT</td>
</tr>
<tr>
<td><em>L. alladusmus</em> (Say)</td>
<td>IV</td>
<td>ex <em>Pleurotus</em> in bracket fungus, LT</td>
</tr>
<tr>
<td><em>Mycetophagus melicicrimeri</em> LeC.</td>
<td>IV, VII, VIII, X</td>
<td>LT</td>
</tr>
<tr>
<td><em>M. obsoletus</em> (Mels.)</td>
<td>V</td>
<td>ex <em>Pleurotus</em>, in rotten fungus, in bracket fungus, LT</td>
</tr>
<tr>
<td><em>M. pluripunctatus</em> LeC.</td>
<td>IV — VI, X</td>
<td>LT</td>
</tr>
<tr>
<td><em>M. punctatus</em> Say</td>
<td>III, IV, VII, X</td>
<td>LT</td>
</tr>
<tr>
<td><em>M. serrulatus</em> (Casey)</td>
<td>VII</td>
<td>under bark, LT, in fungus</td>
</tr>
<tr>
<td>*<em>Typhinaa sterilcosa</em> Linn.</td>
<td>I — XII</td>
<td>LT</td>
</tr>
<tr>
<td><strong>Colydidae</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Colydium lineolatum</em> Say</td>
<td>VI</td>
<td>LT</td>
</tr>
<tr>
<td><strong>Brentidae</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Arrhenodes minuta</em> Drury</td>
<td>IV — VI</td>
<td>LT</td>
</tr>
</tbody>
</table>

aLT = in white light trap

**TABLE 2.** *Publications Concerning Oklahoma Coleoptera*


