

Records of Indiana Coleoptera, III

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In two previous papers, Downie (4,5) presented lists of species of Coleoptera either new to Indiana or not frequently encountered. The present paper, covering the results of eight years of intensive collecting, adds appreciably to the number of beetles known to occur in Indiana. The writers have compared their finds against Blatchley's *Coleoptera of Indiana* (2), Blatchley and Leng's *Rhynchophora of North Eastern America* (3), and the Leng *Catalogue of North American Coleoptera* and its supplements (6). In the list included here appear approximately 260 species representing 49 different families. No attempt is made here to discuss any of the findings. This may be done in a later paper.

The writers are indebted to various coleopterists for assistance. Foremost among these is the late C. A. Frost of Framingham, Mass., a long-time friend of both of the writers. Then we mention R. H. Arnett, Jr., O. L. Cartwright, J. A. Chesmak, M. C. Lane, I. Moore, F. G. Warner, D. P. Wooldridge, and F. Young for their help in the families in which each specializes. Also White acknowledges permission granted by the Division of State Parks of the Department of Natural Resources for assistance in collecting in the Dunes State Park.

In the list below the names of the counties in which extensive collecting was carried out are abbreviated: Br.—Brown, Cr.—Crawford, Fl.—Floyd, M—Marion, Pk.—Parke, P—Posey, and T—Tippecanoe. ID stands for the Indiana Dunes, the entire sandy beach area of southern Lake Michigan in northern Indiana. The months are also abbreviated—Ma, Ap, My, Je, Jl, Au, S, O and N. Species followed by (CW) are in White's collection, those noted (ND) are in Downie's and those without any such label are found in both collections. The arrangement of families follows that of Arnett (1) and the numbers preceding some of the entries are those of the Leng catalogue (6).

CUPEDIDAE

- 7743a *Cupes oculatus* Csy. T; Je (ND)

CICINDELIDAE

- 91 *Cicindela celeripes* LeC. P (Hovey Lake Survey)

CARABIDAE

- 166 *Carabus meander* Fisch. T; My (ND)
184 *Calosoma alternans sayi* Dej. P; Je-Au (CW)
295 *Nebria lacustris* Csy. M; My-O (CW)
377 *Clivina postica* LeC. M; Je-Jl (CW)
Bembidion obscurellum Mots. ID; Jl (CW)
1560 *Agonum picticorne* (Newn.). Cr, ID, M, P; My-Jl (CW)
(*A. albicrum* Dej. was taken in Posey Co. in June)
Pterostichus (Omaseus) melanarius (Ill.) ID; Je (ND)
1604 *Euphorticus pubescens* (Dej.) M; Ap (CW)
1643 *Lebia tricolor* Say Cr, Fl, P; Je (CW)

- 1649 *L. pulchella* Dej. Cr,ID,M,P; My-S
 1654 *L. marginicollis* Dej. Fl; Jl (CW)
 1659 *L. pleuritica* LeC. ID, T; Je (ND)
 1623 *Zuphium americanum* Dej. Cr,P; My-Jl (CW)
 1628 *Pseudaptinus pygmaeus* (Dej.). Cr,Fl,P; My-Au (CW)
 1766 *Hellumorphoides ferruginea* (LeC.). Cr; Je-Au (CW)

HALIPLIDAE

- Peltodytes dunavani* Young Monroe; My (CW)

DYTISCIDAE

- 2398 *Bidessus granarius* (Aubé) Cr,M,P; My (CW)
Hydroporus vittatipennis G. & H. P; Jl (CW)
H. laetus Young Monroe; (CW)
 2440 *H. pulcher* LeC. Cr; Je-Jl (CW)
 2452 *H. clypealis* Shp. P; Je-Au (CW)
 2461 *H. hybridus* Aubé P; My-Au (CW)
Matus ovatus Leech ID,P; Jl-Au (CW)

NOTERIDAE

- 2340 *Suphisellus puncticollis* (Cr.). Cr; Jl (CW)

HYDROPHILIDAE

- 2772 *Berosus pugnax* LeC. Cr,P; Je-Au (CW)
 2774 *B. aculeatus* LeC. M,P; My-Jl (CW)
 2781 *B. exiguus* (Say). ID,P; Je (CW)
 2783 *B. infuscatus* LeC. Cr,P; My-Au (CW)
 2788 *Derallus altus* (LeC.). P; Au (CW)
Paracymus confusus Wold. Cr,P; MyJe (CW)
 2842 *Enochrus diffusus* (LeC.). Cr; Jl (CW)
E. consortius Gr. Cr; Jl (CW)
 2868 *Sphaeridium bipustulatum* F. Pk,T; My-S (ND)
S. lunatum F. T; Ap-O (ND)

STAPHYLINIDAE

- 3496 *Carpelinus bilineatus* Steph. T; Ap-Au (ND)
Oxytelus fuscipennis Mann. Pk,T; Ap-S (ND)
 3596 *Platystethus americanus* Er. T; Ap-S (ND)
 3622 *Bledius semiferrugineus* LeC. T; My-Au (ND)
 3643 *B. opacus* Block. T; My-Au (ND)
 4631 *Oxyporus major* Grav. T; Jl-Au (ND)
 4027 *Lathrobium (Tetaropeus) nigrum* LeC. T; Jl (ND)
 3936 *Lissobiops serpentinus* (LeC.). Pk; My (ND)
 3906 *Homaeotarsus pimerianus* (LeC.). Pk; Au (ND)
 4427 *Philonthus alumnus* Er. T; My-O (ND)
P. rectangulus Shp. T; My-O (ND)
 19346 *P. cruentatus* Gmel. ID,Pk,T; My-O (ND)
 4536 *Staphylinus femoratus* F. Pk; Au (ND)
 4549 *S. exulans* Er. Pk; Ap-My (ND)
 4716 *Lordithon niger* (Grav.). Pk,T; My-Au (ND)
 4668 *Tachinus limbatus* Melsh. T; O (ND)
 5750 *Cordiola obscura* Grav. T; N (ND)

HISTERIDAE

- 6612 *Hister curtatus* LeC. T; My-S (ND)
 6661 *Cylistrix cylindrica* (Payk.). Monroe on white pine (CW)

SCARABAEIDAE

- 13104 *Aegilia opifex* Horn. ID; My-Je (CW)
 13110 *Aphodius erraticus* (L). ID,T; My Je (ND)
 13192 *A. rufipes* (L). M; JI (CW)
 13202 *A. prodromus* (Brahm). T; Ap-O (ND)
 13231 *Ataenius strigatus* (Say). Pk,T; Ap-O (ND)
 A. spretulus (Hald.). ID; Je (ND)
 Psammodius laevipennis Costa. ID; Je-JI (CW)
 Pleurophorus atlanticus Cart. T; Ap-M (ND)
 13277 *Hybosorus illigeri* Reiche. Cr,P; Je (CW)
 Bolboceras liebecki Wallis. Fl; Je (CW)
 21243 *Glarexis knausi* Brown. ID; Je-JI (CW)
 13347 *Trox striatus* Melsh. Cr,M; Ap-My (CW)
 T. affinis Robn. Cr; JI (CW)
 T. foveicollis Harr. Cr,P; Je-S (CW)
 T. hamatus Robn. Cr; (CW)
 T. spinulosus Robn. M; Je (CW)
 T. variolatus Melsh. Monroe; O (CW)
 13489 *Phyllophaga forbesi* Glas. P; JI (CW)
 13532 *P. fosteri* Burm. Br,Fl; (CW)
 13533 *P. longispina* Sm. ID; Je (CW)
 13556 *P. quercus* (Knoch). Cr; JI-Au (CW)
 19870 *P. prolonga* Davis. P; My (CW)
 13754 *Popilla japonica* Newn. General; JI-Au.
 14015 *Trigonopeltastes delta* (Forst.). P; Hovey Lake Survey

DASCILLIDAE

- Eurypogon harrisi* (West.). Cr,ID,T; M-JI.

HELODIDAE

- 9688 *Elodes fuscipennis* Guér. T; My-JI (ND)
 9680 *Microcara explanata* LeC. ID; Je (CW)

ELMIDAE

- 9640 *Macronychus glabratus* (Say). T; S-N (ND)

BUPRESTIDAE

- Actenodes simi* Fish. Clay,ID; My-Je; bred from hickory (CW)
 21062 *Agrilus geminatus* Say. T;Je-JI (ND)
 21036 *A. atricornis* Fish. T; My-Je (ND)
 9548 *A. vittaticollis* Rand. Br,T; My-JI.
 21064 *A. quadriguttatus* Gory. T; Je (ND)
 9541 *A. crataegi* Frost. T; My-Je (ND)
 9522 *A. cephalicus* LeC. Br; Je; on dogwood
 19664 *A. pseudofallax* Frost. T; My-Je (ND)

ELATERIDAE

- 8576 *Hemirhipus fascicularis* (F). Cr; Je-Au (CW)
 8983 *Megapenthes rufilabris* (Germ.). Cr,Fl; Je-Au (CW)

- 8991 *M. angularis* LeC. Cr,ID,P,T; Je-Au
 8972 *M. insignis* (LeC.). Southern half of state; Je-Au (CW)
 8942 *Ampedus militaris* (Harr.). Monroe; Ma (CW)
 8670 *Athous posticus* (Melsh.). T; My-Je (ND)
 8699 *Denticollis denticornis* (Kby.). ID; Je (CW)
 8897a *Agriotes isabellinus* (Melsh.). M,Pk,T; My-Je
 9055 *Melanotus opacicornis* LeC. T; Je (ND)

EUCNEMIDAE

- 9145 *Dromaeus pusillus* Horn. Pk, T; My (ND)
 9146 *Formica badius* (Melsh.). Cr,ID,T; JI
 9148 *F. bicolor* (Melsh.). Pk,T; Ap-My (ND)
 9161 *Entomophthalmus rufiolus* (LeC.). Cr,ID,T; Je-Au
 9173 *Hylis terminalis* (LeC.). Br,T; My-Je (ND)
 9164 *Sarpedon scabrosus* Bonv. T; JI (ND)

PHENGODIDAE

- 7022 *Phengodes fusciceps* LeC. P; My-Je (CW)
 7024 *P. laticollis* LeC. Br,Cr; My-Je (CW)

LYCIDAE

- Plateros avians* Green. T; JI (ND)
P. batillifer Green. T; JI-Au (ND)
P. bispiculatus Green. T; Je-JI (ND)
P. capitatus Green. T; JI-Au (ND)
 6944a *P. flavoscutellatus* Blatch. Br,Cr,T; JI-Au
P. subfurcatus Green. Br,Cr,ID; JI (CW)
 6944 *P. timidus* (LeC.). Br,Cr; Je (CW)
Calopteron discrepans (Newm.). Br,Clark,Cr,T; My-JI
 6929 *Coenia dimidiata* (F.). ID,P; Je-JI (CW)

LAMPYRIDAE

- Photinus consimilis* Green. ID; Je (CW)

DERMESTIDAE

- Trogoderma glabrum* Herbst. T; Je-JI (ND)

ANOBIIDAE

- 12712 *Coelostethus notatus* (Say). Br,Monroe, T; My-Au
 12765 *Stagetus profunda* LeC. T; Je (ND)
 12837 *Protheca hispida* LeC. T; My-JI (ND)
Dorcatoma pallicornis LeC. T; My-Je (ND)
 12844 *Eutylistus incomptus* (LeC.). ID,T; Je-Au (ND)
 12845 *E. tristriatus* (LeC.). Br,T; M-Je (ND)
 12856 *Caenocera blanchardi* Fall. T; JI (ND)
 12861 *C. inepta* Fall. T; JI (ND)

PTINIDAE

- 12622 *Ptinus falli* Pic. T; JI (ND)

BOSTRICHIDAE

- Lichenophanes mutchleri* Belkin. Cr,M,T; My-JI
 12873 *Scobicia bidentatus* (Horn). T; Je (ND)

LYCTIDAE

- 12939 *Lyctus cavicollis* LeC. Monroe on bamboo (CW); T; Je

CLERIDAE

- 7573 *Lecontella cancellata* (LeC.). Cr; Jl-Au (CW)
 7691 *Wolcottia pedalis* (LeC.). Br,T; Je-Jl
 7717 *Cregya mixta* LeC. Pk,T; Je-Au
 7722 *Lebasicella pallipes* (Klug). T; Je-S (ND)

MELYRIDAE

- Malachius bipunctatus* Harr. Clark; (ND)

MORDELLIDAE

- 19608 *Mordella obliqua* LeC. Pk,T; Je-Au (ND)
 7825 *Tomoxia undulata* (Melsh.). Br,Cr,Pk,T; Je-Au
 7805 *T. lineola* LeC. ID,T; Je-Au
 7806 *T. inclusa* LeC. T; Je-Jl (ND)
Mordellistena rubrifasciata Lilj. Br,M,T; Je-Jl
 7857 *M. militaris* LeC. P; Je (ND)
 7869 *M. picilabris* Helm. T; Jl (ND)
 7870 *M. infima* LeC. T; Jl (ND)
 7881 *M. ruficeps* LeC. T; Jl (ND)
 7884 *M. rufa* Lilj. M; Je-Jl (CW)
M. hebraica LeC. Br,Cr,P,T; JeAu
M. leporina LeC. Bartholomew; Jl (CW)
 7904 *M. vera* Lilj. Cr,P,T; Je-Au
 7907 *M. pulchra* Lilj. Boone,T; Au-S
 7925 *M. attenuata* (Say). Br; Je (CW)

RHIPIPHORIDAE

- 7946 *Pelecotoma flavipes* Melsh. T; Je (ND)

TENEBRIONIDAE

- 12339 *Cynaecus angustatus* LeC. Cr,M,Pulaski; My-Au (CW)

ALLECULIDAE

- 11254 *Hymenorus curticolis* Csy. T; My-Au (ND)
H. obsesus Csy. Br,T; Je-Jl (ND)
 11317 *Isomira ruficollis* Ham. Br; My-Je

MELANDRYIDAE

- 12568 *Serropalpus substriatus* Hald. LaGrange; (ND)
 12579 *Anisoxya glaucula* LeC. M,Monroe,T; My-Jl

CEPHALIODAE

- 7747 *Cephaloon lepturides* Newn. Br; Je

OEDEMERIDAE

- Xanthochroa erythrocephala* Germ. P; Jl (CW)
X. lateralis (Melsh.). P; (CW)
Oxacis trimaculatus Champ. P,T; My-Jl
O. trirossi Arnett. P; Jl (CW)

ANTHICIDAE

- 8318 *Notoxus calcaratus* Horn. Cr; Au (CW)
 8340 *Amblyderus granularis* (LeC.). ID; My-Au (ND)
Anthicus tobias Mars. M,P; Je-Au (CW)
Sapintus caudatus Werner. P; Ap-My (CW)

EUGLENIDAE

- 8486 *Zonantes ater* LeC. Br,T; Je-Au
 8492 *Vanonus piceous* (LeC.). T; Jl (ND)
 8493 *Pseudaniderus tuberculiform* Horn. P; (CW)
 8505 *Ganascus ventricosus* (LeC.). P; Je (CW)

NITIDULIDAE

- 10029 *Colopterus maculatus* Er. Br,M; My-Je (CW)
 10121 *Cyllodes biplagiatus* LeC. Monroe; Ap (CW)
Thalyera orientalis Howden. Monroe; My (CW)
 21855 *Glischrochilus siepmanni* Br. Monroe,T; Ap.

SPHINDIDAE

- 12947 *Odontosphindus denticollis* LeC. T; Je (ND)

CUCUJIDAE

- 10179 *Europs pallipennis* (LeC.). T; My (ND)
 10196 *Oryzaephilus mercator* Fauv. T; Dec; in English walnuts (ND)
 10237 *Laemophloeus filiger* Csy. T; My-Je (ND)
 10265 *Lathropus vernalis* LeC. T; Je-Au (ND)

BYTURIDAE

- Byturus sordidus* Barber. Clark, M, T; My

ENDOMYCHIDAE

- 10736 *Epipocus bivittatus* Gerst. P; Je-Au (CW)

COCCINELLIDAE

- 11112 *Scymnus myrmidon* Muls. T; Jl (ND)
 11196 *Mulsantia picta* (Weise). ID,Pulaski; My-Jl
 11192 *Olla abdominalis* (Say). M,P; Jl-O (CW). This includes the form *plagiata* Csy. and an unnamed form.
 11231 *Epilachna varivestis* Muls. T; My (ND)

COLYDIIDAE

- 10530 *Synechita fuliginosa* Melsh. Br,M,T; My-S
 10536 *Bitoma carinata* LeC. M; My (CW)
 21117 *B. crenata* F. T; Ap-S (ND)
 10601 *Cerylon sticticum* Csy. Pk,T; My-S (ND)
 10607 *Mychocerus depressus* (LeC.). Br; Je (CW)

CERAMBYCIDAE

- 14457a *Grammoptera haemitites* (Newn.). Br; My-Je
 14459a *G. ruficeps* (LeC.). M,Pk,T; My-Jl
 14456 *Typocerus confluens* Csy. Starke; Jl (CW)
 21283 *T. deceptus* Knull. T,Pulaski; Je-Jl (ND)
 14445 *Anoplodera circumdata* (Oliv.). Br; My-Je

- 14315 *Centrodera sublineata* LeC. P; Ap (CW)
 14719 *Hesperophanes pubescens* (Hald.). ID; J1 (CW)
 21277 *Tylonotus masoni* Knull. M,T; J1
 14217 *Elaphidionoides parallelus* (Newn.). Cr,ID,M,Monroe,P,T;
 Ap-J1
 14241 *Anelaphus pumilus* (Newn.). Monroe,P,T; My-Je
Micranoplum unicolor (Hald.). Cr,T; My-J1
 14635 *Phymatodes aereus* (Newn.). T; My (ND)
 14640 *P. dimidiatus* (Kby.). Allen; (ND)
 14684 *Xylotrechus aceris* Fish. T; J1 (ND)
Cacophila nebulosa (Hald.). Br; Je (CW)
 14954 *Amniscus collaris* Hald. T; Je-J1 (ND)
 15023 *Urographis triangulifer* (Hald.). P; Je (CW)
 15022 *Graphisurus despectus* (LeC.). Br,T; J1; on hickory
Lepturges pictus (LeC.). T; Je-J1; on Celtis
 15047 *Hoplosia nubila* (LeC.). T; Je-J1; on basswood (ND)
 15069 *Eupogonius tomentosus* (Hald.). M,Pk,Pulaski; Je-J1; on
 pine
 15071 *E. pubescens* LeC. T; J1 (ND)
 15088 *Oncideres cingulatus* (Say). M; S-O (CW)
 15112 *Saperda candida* F. Boone; Au (CW)
 20156 *Oberca ulmicola* Chit. P,T; Je-J1
O. delongi Knull. ID; Je (CW)

CHRYSOMELIDAE

- 15234 *Crioceris asparagi* (L.). T; Ap (ND)
 15235 *C. duodecimpunctata* (L.). T; My-Je (ND)
Oulema melanopa (L.). T; Je (ND)
Exema canadensis Pierce. Br,T; My-S
E. pennsylvanica Pierce. Johnson,M,Pulaski,T; My-S
 15611 *Myochrous squamosus* LeC. T; My-Au (ND)
Paria opacicollis LeC. P; Je (CW)
P. frageriae Wilcox. Johnson,T; My
 15678 *Calligrapha pnirsa* Stal. T; Je-J1; on basswood
 15664 *C. lunata* F. Pulaski; J1 (ND)
Chrysomela knabi Brown. T; Ap-Je (ND)
 15754 *Pyrrhalta luteola* Mull. Over the state; My-O; on elm
 15851 *Phyllcthris dorsalis* (Oliv.). Br; Je-J1
Distigmoptera apicalis Blake. Jasper,T,Warren; Je-J1
 (ND)
D. borealis Blake. P,J1 (CW)
Altica subplicata LeC. T; Ap; on willow
 15926 *A. litigata* Fall. T; Je-J1 (ND)
 16060 *Glyptina brunnea* Horn. T; J1-Au (ND)
 16106 *Anoplitis rosca* (Web.). M,T; My-S

BRUCHIDAE

- 16188 *Sennius cruentatus* Horn. T; Au (ND)
Bruchus brachialis Fahr. ID; Je (ND)
 16251 *Zabrotes subnitens* Horn. Br; My (CW)

ANTHRIBIDAE

- Euparius paganus* Gyll. T; Je-Jl (ND)
Tropideres tricarinatus Pierce. T; Je-Au (ND)

CURCULIONIDAE

- 16677 *Brachyrhinus sulcatus* F. M,T; Je-Au
 16672 *Barypeithes pellucidus* (Boh.). M,T; My-Je
Cyrtepestomus castaneus Roelfs. Cr,Pk,T; Ap-N
 16767 *Lepyrus palustris* Scop. Pulaski; Jl (ND)
 16845 *Pissodes strobi* (Peck). Monroe; Apr; on white pine
Smicronyx (Desmoris) compar Dietz. T; Jl-Au (ND)
 16940 *S. fulvus* LeC. Boone, M; Au-S (CW)
 16938 *S. sordidus* LeC. T; S (ND)
 16941 *S. flavicans* LeC. T; Jl (ND)
 17734 *Elleschus scanicus* (Payk.). Br,T; Jl (ND)
 17258 *Anthonomus rufipes* LeC. T; Je (ND)
Conotrachelus buchanani Schoof. T; Je-S (ND)
 17861 *C. aratus* (Germ.). T; My-S (ND)
 17712 *Cylindrocopterus binotatus* (LeC.). Br,T; Jl (ND)
 17727 *Psomus armatus* (Dietz). Pk,T; Je-Jl (ND)
 17595 *Centrinaspis falsus* (LeC.). Pk; Au (ND)
 17602 *Centrinopis alternatus* Csy. Pk,T; Jl-S (ND)
 17616 *Centrinites strigollis* Csy. Pulaski,T,White; Je-Jl (ND)
 17662 *Buchaninus striatus* (LeC.). T; Je (ND)
 18108a *Sphenophorus australis* Chitt. ID; Je (ND)
S. rectus (Say). ID; Je (ND)
 18060 *Hexarthrum ulkei* Horn. T; Ap-My; in house (ND)
 18047 *Phloeophagus apionides* Horn. T; Je (ND)
 18049 *P. minor* Horn. Pk; Je (ND)

PLATYPODIDAE

- 18165 *Platypus quadridentatus* (Oliv.). P; My (CW)

SCOLYTIDAE

- 18642 *Ips calligrapha* (Germ.). Porter; Au; on pine (ND)
 18503 *Anisandrus minor* Sw. M,Pk,T; Ap-O
 18506 *Xyleborinus saxeseni* Ratz. T; S,ND

The following two species were entered in error on the 1958 list and are not, as far as is known, found in Indiana:

- 9584 *Actenodes flexicaulis* Schf.
 9134 *Deltometopus rufipes* (Melsh.).

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