

New Records of Tiger Beetle Species from the Malaysian Peninsular (IV) (Coleoptera: Carabidae: Cicindelinae)¹

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Abstract: Fifteen tiger beetle species are recorded for the first time from Kelantan State.

Zusammenfassung: Fünfzehn Arten Sandlaufkäfer werden erstmals aus Kelantan State gemeldet.

Key words: Carabidae, Cicindelinae, faunistic records, Malaysia, Malacca

Introduction

Petr CECHOVSKY, Brno, Czech Republic, recently collected tiger beetles on the Malaysian Peninsular (Malacca). All species are recorded for the first time from Kelantan State. The species and the locations in which they were collected are listed here. In addition an actualized list of all tiger beetle species from Malacca is given together with area records.

Material

All these specimens are in the collection of the author.

¹ 127th Contribution towards the knowledge of Cicindelinae

Results

Tricondyla (Tricondyla) annulicornis Schmidt-Goebel, 1846

Specimens examined: 17.iv.-9.v.2014, Malaysia W, Kelantan, 70 km NW of Gua Musang, Mt. Chamah, 1900 m, Kampong Perias, Petr CECHOVSKY lgt., 1 ♀. 1-21.iii.2015, Malaysia W, Kelantan, 90 km N of Gua Musang, Mt. Basor, 1700 m, Kampong Kubur Dalu, Petr CECHOVSKY lgt., 1 ♂, 2 ♀♀.

Distribution: Myanmar, Thailand, Laos, Vietnam, Malaysia (Malacca).

Tricondyla (Tricondyla) beccarii cassolai Naviaux, 2002

Specimens examined: 17.iv.-9.v.2014, Malaysia W, Kelantan, 70 km NW of Gua Musang, Mt. Chamah, 1900 m, Kampong Perias, Petr CECHOVSKY lgt., 1 ♀. 1-21.iii.2015, Malaysia W, Kelantan, 90 km N of Gua Musang, Mt. Basor, 1700m, Kampong Kubur Dalu, Petr CECHOVSKY lgt., 2 ♀♀.

Distribution: Malaysia (Malacca), Indonesia (Sumatra).

Neocollyris (Neocollyris) diardi (Latreille, 1822)

Specimens examined: 17.iv.-9.v.2014, Malaysia W, Kelantan, 70 km NW of Gua Musang, Mt. Chamah, 1900 m, Kampong Perias, Petr CECHOVSKY lgt., 1 ♂, 2 ♀♀. 1-21.iii.2015, Malaysia W, Kelantan, 90 km N of Gua Musang, Mt. Basor, 1700m, Kampong Kubur Dalu, Petr CECHOVSKY lgt., 1 ♂.

Distribution: Malaysia (Malacca), Borneo (Sarawak, Sabah), Indonesia (Jawa, Sumatra), ?Myanmar.

Neocollyris (Neocollyris) elongata (Chaudoir, 1864)

Specimens examined: Specimens examined: 17.iv.-9.v.2014, Malaysia W, Kelantan, 70 km NW of Gua Musang, Mt. Chamah, 1900 m, Kampong Perias, Petr CECHOVSKY lgt., 8 ♂♂, 2 ♀♀. 1-21.iii.2015, Malaysia W, Kelantan, 90 km N of Gua Musang, Mt. Basor, 1700 m, Kampong Kubur Dalu, Petr CECHOVSKY lgt., 3 ♂♂, 7 ♀♀.

Distribution: Thailand, Malaysia (Malacca).

Neocollyris (Leptocollyris) linearis tenuicornis (Chaudoir, 1864)

Specimens examined: 17.iv.-9.v.2014, Malaysia W, Kelantan, 70 km NW of Gua Musang, Mt. Chamah, 1900 km, Kampong Perias, Petr CECHOVSKY lgt., 6 ♂♂, 1 ♀. 1-21.iii.2015, Malaysia W, Kelantan, 90 km N of Gua Musang, Mt. Basor, 1700m, Kampong Kubur Dalu, Petr CECHOVSKY lgt., 2 ♂♂, 3 ♀♀.

Distribution: Thailand, Malaysia (Malacca), Indonesia (Sumatra), Singapore.

Neocollyris (Stenocollyris) leucodactyla (Chaudoir, 1860)

Specimens examined: 1-21.iii.2015, Malaysia W, Kelantan, 90 km N of Gua Musang, Mt. Basor, 1700m, Kampong Kubur Dalu, Petr CECHOVSKY lgt., 1 ♂, 1 ♀.

Distribution: Brunei, Malaysia (Borneo (Sarawak), Malacca), Singapore, Indonesia (Sumatra).

Neocollyris (Stenocollyris) sarawakensis macrodera (Chaudoir, 1864)

Specimens examined: 17.iv.-9.v.2014, Malaysia W, Kelantan, 70 km NW of Gua Musang, Mt. Chamah, 1900 km, Kampong Perias, Petr CECHOVSKY lgt., 1 ♀. 1-21.iii.2015, Malaysia W, Kelantan, 90 km N of Gua Musang, Mt. Basor, 1700m, Kampong Kubur Dalu, Petr CECHOVSKY lgt., 4 ♂♂.

Distribution: Malaysia (Malacca).

Neocollyris (Stenocollyris) oblita Naviaux, 1995

Specimens examined: 17.iv.-9.v.2014, Malaysia W, Kelantan, 70 km NW of Gua Musang, Mt. Chamah, 1900 km, Kampong Perias, Petr CECHOVSKY lgt., 1 ♂, 2 ♀♀. 1-21.iii.2015, Malaysia W, Kelantan, 90 km N of Gua Musang, Mt. Basor, 1700m, Kampong Kubur Dalu, Petr CECHOVSKY lgt., 6 ♂♂, 1 ♀.

Distribution: Malaysia (Malacca, Borneo (Sarawak)), Indonesia (Sumatra, Borneo (Kalimantan Barat)).

***Neocollyris (Leiocollyris) richteri* (Horn, 1901)**

Specimens examined: Specimens examined: 17.iv.-9.v.2014, Malaysia W, Kelantan, 70 km NW of Gua Musang, Mt. Chamah, 1900 km, Kampong Perias, Petr CECHOVSKY lgt., 7 ♂♂, 1 ♀. 1-21.iii.2015, Malaysia W, Kelantan, 90 km N of Gua Musang, Mt. Basor, 1700 m, Kampong Kubur Dalu, Petr CECHOVSKY lgt., 2 ♂♂.

Distribution: Indonesia (Borneo (Kalimantan), Sumatra), Malaysia (Malacca, Borneo (Sabah, Sarawak)).

***Neocollyris (Pachycollyris) aptera aptera* (Lund, 1790)**

Specimens examined: 17.iv.-9.v.2014, Malaysia W, Kelantan, 70 km NW of Gua Musang, Mt. Chamah, 1900 km, Kampong Perias, Petr CECHOVSKY lgt., 1 ♂.

Distribution: Malaysia (Malacca, Borneo (Sarawak)).

***Therates pseudochenelli pseudochenelli* Probst & Wiesner, 1994**

Specimens examined: 1-21.iii.2015, Malaysia W, Kelantan, 90 km N of Gua Musang, Mt. Basor, 1700m, Kampong Kubur Dalu, Petr CECHOVSKY lgt., 1 ♀.

Distribution: Thailand (Chiang Mai, Mae Hong Son, Nan, Loei, Nakhon Si Thammarat), Malaysia (Pulau Pinang, Perak, Pahang).

***Therates batesii batesii* Thomson, 1857**

Specimens examined: 17.iv.-9.v.2014, Malaysia W, Kelantan, 70 km NW of Gua Musang, Mt. Chamah, 1900 km, Kampong Perias, Petr CECHOVSKY lgt., 1 ♂. 1-21.iii.2015, Malaysia W, Kelantan, 90 km N of Gua Musang, Mt. Basor, 1700m, Kampong Kubur Dalu, Petr CECHOVSKY lgt., 5 ♂♂.

Distribution: Indonesia (Sumatra, Borneo (Kalimantan Selatan)), Malaysia (Malacca (Perak), Borneo (Sarawak, Sabah)), Brunei.

***Therates dimidiatus wallacei* Thomson, 1857**

Specimens examined: 17.iv.-9.v.2014, Malaysia W, Kelantan, 70 km NW of Gua Musang, Mt. Chamah, 1900 km, Kampong Perias, Petr CECHOVSKY lgt., 4 ♂♂, 1 ♀. 1-21.iii.2015, Malaysia W, Kelantan, 90 km

N of Gua Musang, Mt. Basor, 1700m, Kampong Kubur Dalu, Petr CECHOVSKY lgt., 1 ♂, 1 ♀.

Distribution: Thailand (Phangnga, Yala, Ranong), Malaysia (Malacca, Borneo (Sarawak, Sabah)), Singapore, Indonesia (Sumatra, Borneo (Kalimantan selatan, K. barat, K. timur)), Brunei.

Cylindera (Verticina) versicolor (Macleay, 1825)

Specimens examined: 1-21.iii.2015, Malaysia W, Kelantan, 90 km N of Gua Musang, Mt. Basor, 1700m, Kampong Kubur Dalu, Petr CECHOVSKY lgt., 2 ♂♂.

Distribution: Thailand, Malaysia (Malacca, Borneo (Sarawak, Sabah)), Singapore, Indonesia (Jawa, Sumatra), Brunei.

Cylindera (Leptinomera) catoptroides (Horn, 1892)

Specimens examined: 17.iv.-9.v.2014, Malaysia W, Kelantan, 70 km NW of Gua Musang, Mt. Chamah, 1900 m, Kampong Perias, Petr CECHOVSKY lgt., 1 ♀. 1-21.iii.2015, Malaysia W, Kelantan, 90 km N of Gua Musang, Mt. Basor, 1700m, Kampong Kubur Dalu, Petr CECHOVSKY lgt., 2 ♂♂, 3 ♀♀.

Distribution: Malaysia (Malacca, Borneo (Sabah, Sarawak)), Indonesia (Sumatra), Brunei.

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Appendix – List of the tiger beetles of Malacca. *) also known from Nepal, India and Andaman Is., **) also known from India and Myanmar, ***) also known from Cambodia. Endemic species are indicated by bold letters.

Nr.	Species	States of West Malaysia															
		Perlis	Kedah	Penang	Perak	Kelantan	Terengganu	Pahang	Selangor	Negeri Sembilan	Melaka	Johor					Thailand
1.	<i>Tricondyla (Tricondyla) annulicornis</i> Schmidt-Goebel, 1846				X	X						X			X		
2.	<i>Tricondyla (Tricondyla) brunnea</i> Dokhtouroff, 1883												X	X			
3.	<i>Tricondyla (Tricondyla) wallacei</i> Thomson, 1857						X						X	X			
4.	<i>Tricondyla (Tricondyla) beccarii cassolai</i> Naviaux, 2002				X	X							X				
5.	<i>Protocollyris brevilabris</i> (Horn, 1893)											X	X				
6.	<i>Neocollyris (Brachycollyris) purpureomaculata borea</i> Naviaux, 1994											X					
7.	<i>Neocollyris (Neocollyris) bonellii bonellii</i> (Guérin-Méneville, 1834)							X				X	X	X	X		
8.	<i>Neocollyris (Neocollyris) batesi</i> (Horn, 1892)											X		X			
9.	<i>Neocollyris (Neocollyris) fuscitarsis</i> (Schmidt-Goebel, 1846)											X	X		X		
10.	<i>Neocollyris (Neocollyris) dimidiata</i> (Chaudoir, 1864)											X	X	X			
11.	<i>Neocollyris (Neocollyris) diardi</i> (Latreille, 1822)					X							X	X			
12.	<i>Neocollyris (Neocollyris) elongata</i> (Chaudoir, 1864)					X	X					X					
13.	<i>Neocollyris (Neocollyris) chloroptera</i> (Chaudoir, 1860)						X					X	X	X			
14.	<i>Neocollyris (Neocollyris) thomsoni</i> (Horn, 1894)											X					
15.	<i>Neocollyris (Neocollyris) emarginata</i> (Dejean, 1825)						X						X	X			
16.	<i>Neocollyris (Neocollyris) rufipalpis</i> (Chaudoir, 1864)											X			X		
17.	<i>Neocollyris (Orthocollyris) crassicornis</i> (Dejean, 1825)											X	X		X		
18.	<i>Neocollyris (Orthocollyris) subclavata subclavata</i> (Chaudoir, 1860) *																
19.	<i>Neocollyris (Leptocollyris) linearis tenuicornis</i> (Chaudoir, 1864)					X	X	X	X	X	X	X	X				
20.	<i>Neocollyris (Leptocollyris) jendeki</i> Naviaux, 2004						X										
21.	<i>Neocollyris (Leptocollyris) sausiai</i> Naviaux, 2004						X										
22.	<i>Neocollyris (Leptocollyris) xanthoscelis</i> (Chaudoir, 1864)												X	X			
23.	<i>Neocollyris (Leptocollyris) subtilis</i> (Chaudoir, 1863)						X					X	X				

Nr.	Species	States of West Malaysia													
		Perlis	Kedah	Penang	Perak	Kelantan	Terengganu	Pahang	Selangor	Negeri Sembilan	Melaka	Johor	Thailand	Sumatra	Borneo
24.	<i>Neocollyris (Leptocollyris) variatarsis minuta</i> Naviaux, 1995											X	X		
25.	<i>Neocollyris (Leptocollyris) cylindripennis</i> (Chaudoir, 1864)						X					X			X
26.	<i>Neocollyris (Stenocollyris) leucodactyla</i> (Chaudoir, 1860)				X	X	X					X	X		
27.	<i>Neocollyris (Stenocollyris) dohertyi</i> (Horn, 1895)											X	X	X	
28.	<i>Neocollyris (Stenocollyris) sarawakensis macrodera</i> (Chaudoir, 1864)				X	X									
29.	<i>Neocollyris (Stenocollyris) oblita</i> Naviaux, 1995				X	X	X	X			X	X	X		
30.	<i>Neocollyris (Leiocollyris) richteri</i> (Horn, 1901)				X				X			X	X	X	
31.	<i>Neocollyris (Pachycollyris) aptera aptera</i> (Lund, 1790)				X									X	
	<i>Neocollyris (Pachycollyris) aptera apicalis</i> (Chaudoir, 1864)											X			
32.	<i>Neocollyris (Pachycollyris) major</i> (Latreille, 1822)											X			
33.	<i>Collyris robusta</i> Dohrn, 1891										X	X	X		
34.	<i>Prothyma (Genoprothyma) heteromalla</i> (MacLeay, 1825)											X			X
35.	<i>Heptodonta analis</i> (Fabricius, 1801)						X				X	X	X	X	
36.	<i>Heptodonta eugenia</i> Chaudoir, 1865											X			X
37.	<i>Therates kraatzii</i> Horn, 1900			X								X			
38.	<i>Therates confluens</i> Wiesner, 1988		X												X
39.	<i>Therates pseudochenelli pseudochenelli</i> Probst & Wiesner 1994			X	X	X	X					X			
40.	<i>Therates merkli</i> Wiesner, 1996						X								
41.	<i>Therates fleutiauxi</i> Horn, 1898														
42.	<i>Therates hiermeieri</i> Werner, 1991						X								
43.	<i>Therates batesii batesii</i> Thomson, 1857					X							X	X	
44.	<i>Therates riedeli</i> Werner, 1991						X								
45.	<i>Therates dimidiatus wallacei</i> Thomson, 1857					X	X	X	X	X	X	X	X	X	

Nr.	Species	States of West Malaysia													
		Perlis	Kedah	Penang	Perak	Kelantan	Terengganu	Pahang	Selangor	Negeri Sembilan	Melaka	Johor	Thailand	Sumatra	Borneo
46.	<i>Calochroa elegantula</i> (Dokhtouroff, 1882)											X			X
47.	<i>Calochroa interruptofasciata interruptofasciata</i> (Schmidt-Goebel, 1846)											X			X
48.	<i>Calomera angulata angulata</i> (Fabricius, 1798)							X				X	X	X	X
49.	<i>Calomera plumigera scoliographa</i> Rivalier, 1953											X			X
	<i>Calomera plumigera pseudodespectata</i> Naviaux, 1986														
50.	<i>Calomera funerea funerea</i> (MacLeay, 1825)											X			X
51.	<i>Cosmodela duponti duponti</i> (Dejean, 1826)											X			X
52.	<i>Cosmodela aurulenta aurulenta</i> (Fabricius, 1801)							X	X	X		X	X	X	
53.	<i>Lophyra (Lophyra) fuliginosa</i> (Dejean, 1826)							X				X	X	X	X
54.	<i>Lophyra (Lophyra) cancellata cancellata</i> (Dejean, 1825)											X			X
55.	<i>Lophyra (Spilodia) striolata striolata</i> (Illiger, 1800)											X	X	X	X
56.	<i>Lophyra (Spilodia) lineifrons</i> (Chaudoir, 1865)											X			X
57.	<i>Cylindera (Verticina) versicolor</i> (MacLeay, 1825)					X	X		X	X	X	X	X	X	
58.	<i>Cylindera (Leptinomera) catoptroides</i> (Horn, 1892)					X	X						X	X	
59.	<i>Cylindera (Leptinomera) kualatahanensis</i> Matalin & Cassola, 2000							X			X				
60.	<i>Cylindera (Ifasina) viduata</i> (Fabricius, 1801)					X	X				X	X	X	X	X
61.	<i>Cylindera (Ifasina) psilica psilica</i> (Bates, 1866)														X
62.	<i>Cylindera (Ifasina) subtilesignata</i> (Mandl, 1970) **														
63.	<i>Cylindera (Ifasina) discreta discreta</i> (Schaum, 1863)					X	X				X		X	X	
64.	<i>Cylindera (Eugrapha) minuta</i> (Olivier, 1790)											X	X	X	X
65.	<i>Myriochila (Myriochila) speculifera speculifera</i> (Chevrolat, 1845)											X			X
66.	<i>Hypaetha quadrilineata quadrilineata</i> (Fabricius, 1781)											X			
67.	<i>Hypaetha biramosa contracta</i> (Fleutiaux, 1893)											X			
68.	<i>Callytron andersonii</i> (Gestro, 1889)											X			X
69.	<i>Callytron doriai</i> (Horn, 1897)							X					X	X	
70.	<i>Enantiola hewitii</i> (Horn, 1908) ***							X						X	X

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