

REICHENBACHIA

STAATLICHES MUSEUM FÜR TIERKUNDE IN DRESDEN

Bd. 9

Ausgegeben: 14. September 1967

Nr. 13

99. Tetricidae und Acridiidae Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei (Orthoptera) mit 12 Figuren

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In the years 1963–1965, Dr. ZOLTÁN KASZAB collected also orthopterous insects on his three expeditions in Mongolia. In the material worked out subsequently, some new species, respectively subspecies, were also found, of which only one, namely *Tetrix nutans antennata* STEINMANN, 1964, was described in a previous report. All further data of the Mongolian expeditions are summarily submitted in the capture of 61 orthopterans, of which one species and two subspecies (discounting the one cited above) proved to be new for science, and twelve species, respectively subspecies, were found to be new for the fauna of Mongolia.

TETRICIDAE

Tetrix japonica BOL.

Central aimak Songino, 1300 m, 13. VII. 1963 (Nr. 113), 4 Ex.

Tetrix sp.

Čojbalsan aimak Somon Chalchingol, 600 m, 14. VIII. 1965 (Nr. 411), 2 Ex.

ACRIDIIDAE ACRIDIINAE

Ochrilidia hebetata kazaka TARB.

Central aimak Onžulin chundi, 100 km SW von Ulan-Baator, 1400 m, 15. VI. 1964 (Nr. 131), 1 Ex.

New for the fauna of Mongolia.

Chrysochraon kaszabi sp. n. (figs. 1—4)

Head conical from above, apex considerably projecting beyond anterior line of eyes; apex widely rounded. Vertex rather smooth, with a posteriorly decurrent, introrsely convergent, dark violet-brownish pair of stripes. Eyes large, elliptical, considerably shorter than cephalic apex in a superior view. In a lateral view, vertex and facial line subtending a very acute angle. Facial rib slightly broken in an obtuse angle. Eyes in a lateral view situated in apical section of head. Antennae articulating largely in median line of eyes, flat, ensiform, 19-jointed.

Pronotum relatively short from above, cylindrical. Median rib elevating from dorsal level rather more boldly than lateral ones. Anterior margin of segment straight. Groove between pro- and mesozones not extending into dorsal area, but that between meso- and metazones strong, visibly intersecting median area behind median line plotted on longitudinal axis of segment. In a lateral view, dorsal line of pronotum straight, metazonal ridge slightly elevated. Anterior margin of segment slightly truncate, subtending an acute angle with dorsal line. Anterior and posterior angles of lateral lobe of pronotum forming an obtuse angle, almost equal in degree. Tegmen at repose short when folded dorsally, far from reaching genu of posterior leg. Posterior femur narrow, in a lateral view its upper margin essentially straighter than lower one. Subgenital plate of male as on Fig. 4. Entire length of body 16.5—17 mm, length of tegmen 7.9—8.1 mm, length of hind femur 9.5 mm, its breadth 1.6 mm.

Holotype male: Mongolia, Chentej aimak, 7 km NO von Somon Mörön, 1200 m, 28—29. VII. 1965 (Nr. 319). Paratype male, 1 ex., Mongolia, Uburchangaj aimak, Changaj Gebirge, 30 km N von Arbajcher, 1870 m, 29. VII. 1964 (Nr. 222). Deposited in the Zoological Department of the Hungarian Natural History Museum, Budapest.

The nearest ally of the new species is *Ch. dispar* GERM., differing from it in the following characters:

Ch. dispar dispar GERM.

Antennae twice longer than combined length of head+pronotum.

Apex of head rectangular in a lateral view, terminally widely rounded.

Tegmen longer than 9.5 mm.

Ch. kaszabi sp. n.

Antennae hardly longer than length of head+pronotum.

Apex of head forming an acute angle in a lateral view, terminally acutely elongate.

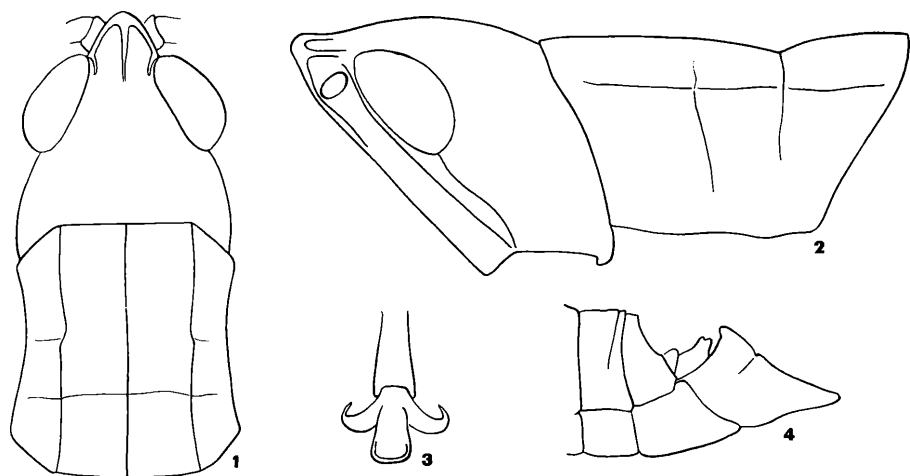
Tegmen shorter than 8.5 mm.

Mongolotettix japonicus vittatus UV

Central aimak Zuun-Chara, Duusch ul, 1100 m, 8. VI. 1963 (Nr. 101), 1 Ex. — Uburchangaj aimak Changaj Gebirge, 30 km N von Arbajcher, 1870 m, 29. VI. 1964 (Nr. 222), 3 Ex.

Acreptera fusca albogeniculata IKONN.

Central aimak Ulan-Baator, Nucht im Bogdo ul, 1500—1800 m, 22. VII. 1965 (Nr. 294), 1 Ex.; Ulan-Baator, Nucht im Bogdo ul, 1600 m, 22. VII.—27. VIII. 1965 (Nr. 297a), 1 Ex.



Figs. 1–4. *Chrysochraon kaszabi* sp. nov. 1 = head and pronotum from above; 2 = same, laterally; 3 = claws and arolium of fore leg, and 4 = end of male abdomen, laterally (Original).

***Paracryptera microptera altaica* MISTSH.**

Central aimak Ulan-Baator, Nucht im Bogdo ul, 1600 m, 22. VII.–27. VIII. 1965 (Nr. 297a), 8 Ex.

***Paracryptera microptera meridionalis* IKONN.**

Süd gobi aimak Gurban Sajchan ul, 30 km S von Somon Bulgan, 700 m, 19. VI. 1964 (Nr. 153), 4 Ex. — Uburchangaj aimak Arc Bogd ul, cca. 20 km S von Somon Chovd, 1760 m, 21. VI. 1964 (Nr. 166), 4 Ex.; Baga Bogd ul, zwischen Somon Bogd und Somon Baruun bayan-ulaan, 1900 m, 22. VI. 1964 (Nr. 174), 11 Ex.; Baga Bogd ul, zwischen Somon Bogd und Somon Baruun bayan-ulaan, 1900 m, 23. VI. 1964 (Nr. 175), 2 Ex.; Changaj Gebirge, 30 km N von Arbajcher, 1870 m, 29. VI. 1964 (Nr. 222), 5 Ex. — Central aimak 12 km W von Somon Lun., 1300 m, 3. VII. 1964 (Nr. 257), 1 Ex.; Zuun-Chara, Duusch ul, 1100 m, 8. VII. 1964 (Nr. 284), 1 Ex. — Chentej aimak 7 km NO von Somon Mörön, 1200 m, 28.–29. VII. 1965 (Nr. 320), 1 Ex.

***Mecostethus grossus* L.**

Chentej aimak 20 km SW von Somon Norovlin, 900 m, 19. VIII. 1965 (Nr. 449), 2 Ex.

Stenobothrus lineatus PANZ.

Suchebaator aimak Chadatin-bulan, 60 km N von Somon Bajanterem, 950 m, 31. VII. 1965 (Nr. 339a), 1 Ex. — Chentej aimak 20 km SW von Somon Narovlin, 900 m, 19. VIII. 1965 (Nr. 449), 1 Ex.

Omocestus viridulus L.

Central aimak Ulan-Baator, Zaisan im Bogdo ul, 1420–1500 m, 18. VI. 1963 (Nr. 7), 3 Ex.

Omocestus haemorrhoidalis CHARP

Central aimak Kerulen, 45 km O von Somon Bajandelger, 1400 m, 26. VII. 1965 (Nr. 304), 1 Ex. — Chentej aimak 7 km NO von Somon Mörön, 1200 m, 28.–29. VII. 1965 (Nr. 319), 1 Ex.; ebenda, 28.–29. VII. 1965 (Nr. 320), 2 Ex.; ebenda, 28. VII.–21. VIII. 1965 (Nr. 323), 1 Ex.; 10 km W von Somon Delgerchan, 1250 m, 24. VII. 1965 (Nr. 476), 1 Ex. — Čojbalsan aimak Chamardavaa ul, 80 km SO von Somon Chalchingol, 600 m, 13. VIII. 1965 (Nr. 400), 1 Ex.

Omocestus petraeus BRIS.

Uburchangaj aimak Changaj Gebirge, 30 km N von Arbajcher, 1870 m, 29. VI. 1964 (Nr. 222), 3 Ex. — Chentej aimak 7 km NO von Somon Mörön, 1200 m, 28. VII.–21. VII. 1965 (Nr. 323), 1 Ex.

Omocestus znojtkoi MISTSH.

Suchebaator aimak Ongon elis, 10 km S von Somon Chongor, 900 m, 3.–5. VIII. 1965 (Nr. 355), 1 Ex. — Chentej aimak 10 km W von Somon Delgerchan, 1250 m, 24. VIII. 1965 (Nr. 476), 1 Ex.

Omocestus minutus BRULLÉ

Central aimak Ulan-Baator, Zaisan im Bogdo ul, 1420–1500 m, 18. VI. 1963 (Nr. 7), 1 Ex.; 26 km O von Somon Lun, 1180 m, 4. VII. 1964 (Nr. 261), 5 Ex.; Kerulen, 45 km O von Somon Bajandelger, 1400 m, 26. VII. 1965 (Nr. 304), 16 Ex. — Uburchangaj aimak Changaj Gebirge, 8 km O von Somon Chajrchandulaan, 2000 m, 28. VI. 1964 (Nr. 216), 1 Ex.; Changaj Gebirge, 30 km N von Arbajcher, 1870 m, 29. VI. 1964 (Nr. 222), 6 Ex. — Chentej aimak 7 km NO von Somon Mörön, 1200 m, 28.–29. VII. 1965 (Nr. 319), 86 Ex.; ebenda, 28.–29. VII. 1965 (Nr. 320), 3 Ex.; ebenda, 28. VII.–21. VIII. 1965 (Nr. 323), 574 Ex.; 15 km O von Öndörchaan, 1 km S von Kerulen, 1000 m, 30. VII. 1965 (Nr. 326), 9 Ex.; 20–40 km SW von Somon Žargaltchaan, S vom Fluß Zencher gol, 1150 m, 23. VIII. 1965 (Nr. 472), 1 Ex.; 10 km W von Somon Delgerchaan, 1250 m, 24. VIII. 1965 (Nr. 476), 3 Ex. — Suchebaator aimak Chadatin-bulan, 60 km N von Somon Bajanterem, 950 m, 31. VII. 1965 (Nr. 339a), 2 Ex.; 44 km SSW von Baruun urt, 1050 m, 2.–3. VIII. 1965 (Nr. 349), 1 Ex.;

Ongon elis, 10 km S von Somon Chongor, 900 m, 3.—5. VIII. 1965 (Nr. 355), 1 Ex.; Somon Dariganga, am Basaltberg, 1270—1300 m, 7. VIII. 1965 (Nr. 371), 1 Ex.; 5 km NO von Somon Dariganga, 1150 m, 8. VIII. 1965 (Nr. 374a), 3 Ex. — Čojbalsan aimak 40 km O von Somon Tamzagbulag, 600 m, 11. VIII. 1965 (Nr. 390), 1 Ex.; zwischen Somon Chalchingol und Chamardavaa ul, 600 m, 12. VIII. 1965 (Nr. 398), 3 Ex.; Menengijn tal, 80 km WSW von SW-Ecke des Sees Bujr nur, 600 m, 14. VIII. 1965 (Nr. 414), 1 Ex.; 50 km SO von Čojbalsan, 700 m, 16. VIII. 1965 (Nr. 420), 5 Ex.; 44 km NW von Čojbalsan, 750 m, 17. VIII. 1965 (Nr. 426), 5 Ex.

***Omocestus hingstoni mongolicus* ssp. nov.** (figs. 5—8)

Head relatively short, with a broad and dark pattern: vertex rufous brown up to apex of head; widely dark brown to nearly black stripes decurrent behind eyes to pronotum. Apex of head visibly projecting (in a superior view) in front of anterior line of eyes, terminally rounded. Apical pits well discernible, long, deep. Eyes relatively small, about as long as apex of head. In a lateral view, head short, vertex convex, protruding, situated essentially higher than apex. Apex of head and vertex subtending an obtuse angle. Antennae articulating in median line of eyes; comparatively short, joints flat.

Posterior section of pronotum widely rounded. Segment short and wide from above. Anterior margin slightly elongated, surface smooth. Median ridge of pronotum visibly projecting, lateral ribs strongly arcuate, elevated similary to median one. Groove between meso- and metazonae accurrent also to median section of dorsum, largely medially, or slightly posteriorly, of segment. In a lateral view, anterior margin of lateral lobe of pronotum slightly sinuous, posterior margin straight.

Tegmen at repose short, failing to reach end of abdomen, extending usually to middle of posterior femur when at repose along abdomen. Posterior femur narrow, inner surface with black spots.

Entire length of body 16—20 mm, length of tegmen 7—8 mm, length of hind femur 8—11 mm, its breadth 1.8—2.2 mm.

Holotype female, Mongolia, U b u r c h a n g a j a i m a k, Changaj Gebirge, 18 km S von Somon Chužirt, 1830 m, 29. VI. 1964 (Nr. 223). — Paratypes: Mongolia, U b u r c h a n g a j a i m a k, Changaj Gebirge, 2 km S von Somon Schanch, 1690 m, 30. VI. 1964 (Nr. 230), 4 females. — A r c h a n g a j a i m a k, 20 km N von Charchorin, 1640 m, 1. VII. 1964 (Nr. 235), 3 females. — C h e n t e j a i m a k, 7 km NO von Somon Mörön, 1200 m, 28.—29. VII. 1965 (Nr. 319), 1 female; ebenda, 28.—29. VII. 1965 (Nr. 320), 1 female; ebenda, 28. VII.—21. VIII. 1965 (Nr. 323), 12 females.

The subspecies differs from the nominate form in the following characters:

O. hingstoni hingstoni UV.

Vertex rectangular or obtuse-angled

Apex of head not or only slightly depressed

Tibia red

Inferior surface of femur red

Entire length of body considerably more than 20 mm

Known area: Himalaya: Mt. Everest

O. hingstoni mongolica ssp. nov.

Vertex acute-angled

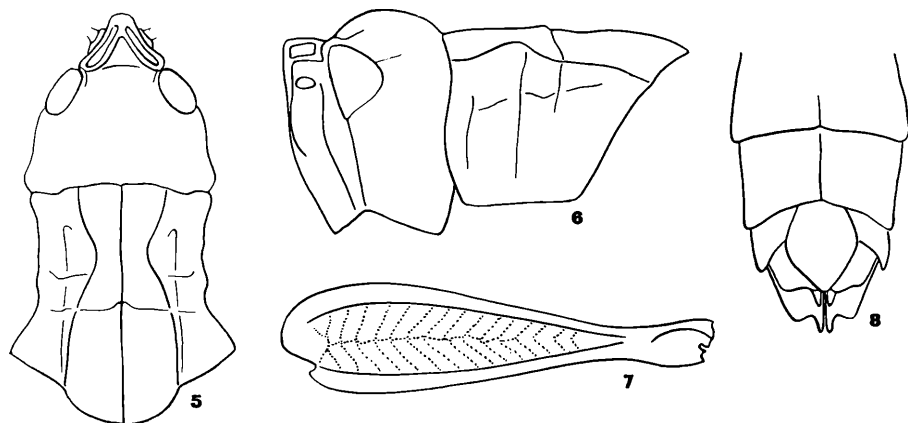
Apex of head strongly depressed

Tibia yellow

Inferior surface of femur yellow

Entire length of body smaller than 20 mm

Known area: Mongolia



Figs. 5–8. *Omocestus hingstoni mongolicus* ssp. nov. 5 = head and pronotum from above; 6 = same, laterally; 7 = femur of hind leg, laterally, and 8 = end of female sexual plate dorsally (Original).

***Myrmeleotettix palpalis* ZUB.**

U b u r c h a n g a j a i m a k Changaj Gebirge, 8 km O von Somon Chajrchandulaan, 2000 m, 28. VI. 1964 (Nr. 216), 2 Ex.; Changaj Gebirge, 30 km N von Arbajcher, 1870 m, 29. VI. 1964 (Nr. 222), 6 Ex. — Central aimak 26 km O von Somon Lun, 1180 m, 4. VII. 1964 (Nr. 261), 8 Ex.; Kerulen, 45 km O von Somon Bajandelger, 1400 m, 26. VII. 1965 (Nr. 304), 12 Ex. — Chentej aimak 7 km NO von Somon Mörön, 1200 m, 28.–29. VII. 1965 (Nr. 319), 70 Ex.; ebenda, 28.–29. VII. 1965 (Nr. 320), 6 Ex.; ebenda, 28. VII.–21. VIII. 1965 (Nr. 323), 141 Ex.; 15 km O von Öndörchaan, 1 km S von Kerulen, 1000 m, 30. VII. 1965 (Nr. 326), 2 Ex.; 10 km W von Somon Delgerchaan, 1250 m, 24. VIII. 1965 (Nr. 476), 1 Ex. — Sucheabaator aimak 44 km SSW von Baruun urt, 1050 m, 2.–3. VIII. 1965 (Nr. 349), 1 Ex.; Somon Dariganga, am Basaltberg, 1270–1300 m, 7. VIII. 1965 (Nr. 371), 13 Ex.; 5 km NO von Somon Dariganga, 1150 m, 8. VIII. 1965 (Nr. 374a), 4 Ex. — Čojbalsan aimak 40 km O von Somon Tamzagbulag, 600 m, 11. VIII. 1965 (Nr. 390), 1 Ex.; zwischen Somon Chalchingol und Chamardavaa ul, 600 m, 12. VIII. 1965 (Nr. 398), 15 Ex.; zwischen Somon Chalchingol und See Bujr nur, 600 m, 14. VIII. 1965 (Nr. 413), 2 Ex.; 44 km NW von Čojbalsan, 750 m, 17. VIII. 1965 (Nr. 426), 1 Ex.

***Myrmeleotettix pallidus* BR.-W.**

Č o j b a l s a n a i m a k 40 km O von Somon Tamzagbulag, 600 m, 11. VIII. 1965 (Nr. 390), 1 Ex.

***Gomphocerus sibiricus* L.**

U b u r c h a n g a j a i m a k Changaj Gebirge, 18 km S von Somon Chužirt, 1830 m, 29. VI. 1964 (Nr. 223), 17 Ex.; Changaj Gebirge, 15 km NO von Somon Chužirt, 1700 m,

30. VI. 1964 (Nr. 228), 1 Ex. — Central aimak 12 km SO von Ulan-Baator, Nucht im Bogdo ul, 1500 m, 6. VII. 1964 (Nr. 272), 1 Ex. — Chentej aimak zwischen Somon Zenchermandal und Somon Žargaltchaan, 1400 m, 27. VII. 1965 (Nr. 309), 1 Ex.; 7 km NO von Somon Mörön, 1200 m, 28.—29. VII. 1965 (Nr. 319), 1 Ex.; ebenda, 28.—29. VII. 1965 (Nr. 320), 1 Ex.; ebenda, 28. VII.—21. VIII. 1965 (Nr. 323), 1 Ex.

***Dasyhippus barbipes* F.-W.**

Central aimak Zorgol chajrchan, 1400 m, 110 km SW von Ulan-Baator, 16. VI. 1964 (Nr. 135), 1 Ex.

***Aeropedellus variegatus variegatus* F.-W.**

Chentej aimak 7 km NO von Somon Mörön, 1200 m, 28. VII.—21. VIII. 1965 (Nr. 323), 1 Ex.

***Aeropedellus variegatus fasciatus* MISTSH.**

Uburchangaj aimak Changaj Gebirge, 18 km S von Somon Chužirt, 1830 m, 29. VI. 1964 (Nr. 223), 4 Ex. — Chentej aimak 7 km NO von Somon Mörön, 1200 m, 28. VII.—21. VIII. 1965 (Nr. 323), 1 Ex.

***Aeropedellus variegatus borealis* MISTSH.**

Central aimak Onžulin chundi, 1400 m, 100 km SW von Ulan-Baator, 15. VI. 1964 (Nr. 131), 1 Ex. — Archangaj aimak 20 km N von Charchorin, 1640 m, 1. VII. 1964 (Nr. 235), 1 Ex. — Chentej aimak 7 km NO von Somon Mörön, 1200 m, 28.—29. VII. 1965 (Nr. 320), 1 Ex.; ebenda, 28. VII.—21. VIII. 1965 (Nr. 323), 2 Ex.

***Aeropedellus variegatus gelidus* MISTSH.**

Uburchangaj aimak Changaj Gebirge, 2 km S von Somon Schanch, 1690 m, 30. VI. 1964 (Nr. 230), 1 Ex. — Archangaj aimak 20 km N von Charchorin, 1640 m, 1. VII. 1964 (Nr. 235), 4 Ex. — Chentej aimak 7 km NO von Somon Mörön, 1200 m, 28.—29. VII. 1965 (Nr. 230), 1 Ex.

***Aeropedellus variegatus minutus* MISTSH.**

Uburchangaj aimak Changaj Gebirge, 8 km O von Somon Chajrchandulaan, 2000 m, 28. VI. 1964 (Nr. 216), 34 Ex.; Changaj Gebirge, 30 km N von Arbajcher, 1870 m, 29. VI. 1964 (Nr. 222), 1 Ex.; Changaj Gebirge, 18 km S von Somon Chužirt, 1830 m, 29. VI. 1964 (Nr. 223), 8 Ex.; Changaj Gebirge, 15 km NO von Somon Chužirt, 1700 m, 30. VI. 1964 (Nr. 228), 1 Ex.; Changaj Gebirge, 2 km S von Somon Schanch, 1690 m, 30. VI. 1964 (Nr. 230), 10 Ex. — Archangaj aimak 20 km N von Char-

chorin, 1640 m, 1. VII. 1964 (Nr. 235), 19 Ex. — Central aimak 26 km O von Somon Lun, 1180 m, 4. VII. 1964 (Nr. 261), 2 Ex. — Chentej aimak 7 km NO von Somon Mörön, 1200 m, 28.—29. VII. 1965 (Nr. 320), 1 Ex.; ebenda, 28. VII.—21. VIII. 1965 (Nr. 323), 3 Ex.

New for the fauna of Mongolia.

Aeropedellus reuteri MIR.

Uburchangaj aimak Changaj Gebirge, 8 km O von Somon Chajrchandulaan, 2000 m, 28. VI. 1964 (Nr. 216), 1 Ex.; Changaj Gebirge, 18 km S von Somon Chužirt, 1830 m, 29. VI. 1964 (Nr. 223), 3 Ex.; Changaj Gebirge, 2 km S von Somon Schanch, 1690 m, 30. VI. 1964 (Nr. 230), 2 Ex. — Chentej aimak 7 km NO von Somon Mörön, 1200 m, 28. VII.—21. VIII. 1965 (Nr. 323), 2 Ex.

New for the fauna of Mongolia.

Aeropedellus baliolus MISTSH.

Central aimak 9 km O von Nalajch, 50 km O von Ulan-Baator, 1300 m, 20. VI. 1963 (Nr. 10), 2 Ex. — Uburchangaj aimak Changaj Gebirge, 8 km O von Somon Chajrchandulaan, 2000 m, 28. VI. 1964 (Nr. 216), 4 Ex.; Changaj Gebirge, 18 km S von Somon Chužirt, 1830 m, 29. VI. 1964 (Nr. 223), 2 Ex.; Changaj Gebirge, 2 km S von Somon Schanch, 1690 m, 30. VI. 1964 (Nr. 230), 1 Ex. — Suche baator aimak 5 km NO von Somon Dariganga, 1150 m, 8. VIII. 1965 (Nr. 374a), 1 Ex.

New for the fauna of Mongolia.

Pezohippus callosus UV

Čojbalsan aimak 32 km SO von Somon Bajan-uul, 750 m, 18. VIII. 1965 (Nr. 439), 1 Ex. — Central aimak Ulan-Baator, Nucht im Bogdo ul, 1600—1800 m, 28. VIII. 1965 (Nr. 488), 1 Ex.

New for the fauna of Mongolia.

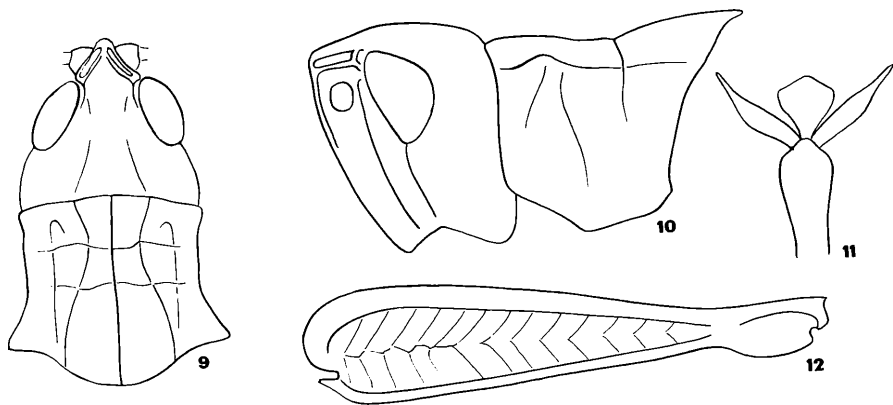
Chorthippus apricarius apricarius L.

Central aimak Ulan-Baator, Nucht im Bogdo ul, 1500—1800 m, 22. VIII. 1965 (Nr. 294), 1 Ex.; Ulan-Baator, Nucht im Bogdo ul, 1600 m, 22. VII.—27. VIII. 1965 (Nr. 297a), 2 Ex.

Chorthippus apricarius ciscaucasicus MISTSH.

Central aimak Ulan-Baator, Nucht im Bogdo ul, 1500—1800 m, 22. VII. 1965 (Nr. 294), 2 Ex.; Ulan-Baator, Nucht im Bogdo ul, 1600 m, 27. VIII. 1965 (Nr. 486), 1 Ex.

New for the fauna of Mongolia.



Figs. 9–12. *Chorthippus hirtus mongolicus* ssp. nov. 9 = head and pronotum from above; 10 = same, laterally; 11 = claws and arolium of fore leg, and 12 = femur of hind leg, laterally (Original).

***Chorthippus hirtus mongolicus* ssp. nov. (figs. 9–12)**

Head short, squat from above, apex only moderately projecting anteriorad. Apical pits long, sharply distinct, anterior terminations almost confluent. Projection of apex shorter than length of eye measured from above. Distance between eyes smaller than width of eye when viewed from above. Vertex smooth, with some pale, arcuate, rufous brown stripes. In a lateral view, vertex and facial line subtending an acute angle. Vertex arched, apex rounded. Eyes situated relatively high, of medium size. Antennae articulating in median line of eyes, flattened.

Pronotum medium narrow and long from above. Median rib of segment obscurely projecting, lateral ribs well discernible. Groove between meso- and metazones shallow, undulating, decurrent largely medially in segment. Posterior margin of pronotum widely rounded. In a lateral view, inferior margin of lateral lobe of pronotum slightly elongate, medially obtuse-angled.

Tegmen at repose long when folded on dorsum, considerably extending beyond end of abdomen and also genu of posterior femur. Hind femur narrow and long in a lateral view, inner surface ornamented with a black stripe. Tibia yellow.

Entire length of body 19–20 mm, length of tegmen 18–19 mm, length of hind femur 11.5–12 mm, its breadth 2.2–2.8 mm.

Holotype female: Suchebaator aimak, Molzogelis, 2 km S von Somon Dariganga, 1150 m, 6. VIII. 1965 (Nr. 367). — Paratypes: Central aimak, Kerulen, 45 km O von Somon Bajandelger, 1400 m, 26. VII. 1965 (Nr. 304), 2 Ex.

The new subspecies differs from the nominate form in the following characters:

Ch. hirtus hirtus UV.

Anterior section of pronotum without lateral edges.

Scape of antennae narrow and relatively long, reaching top of apex in a superior view.

Known range: Rutul, Daghasan.

Ch. hirtus mongolicus ssp. n.

Anterior section of pronotum with conspicuous lateral edges.

Scape of antennae low and wide, not reaching top of apex in a superior view.

Known range: Mongolia.

Chorthippus ilkazi UV

Central aimak Kerulen, 45 km O von Somon Bajandelger, 1400 m, 26. VII. 1965 (Nr. 304), 7 Ex. — Suchebaator aimak Molzogelis, 2 km S von Somon Dariganga, 1150 m, 6. VIII. 1965 (Nr. 367), 1 Ex. — Čojbalsan aimak zwischen Somon Chalchingol und Chamardavaa ul, 600 m, 12. VIII. 1965 (Nr. 398), 1 Ex.

New for the fauna of Mongolia.

Chorthippus dubius ZUB.

Central aimak Kerulen, 45 km O von Somon Bajandelger, 1400 m, 26. VII. 1965 (Nr. 304), 1 Ex. — Chentej aimak 7 km NO von Somon Mörön, 1200 m, 28. VII.—21. VIII. 1965 (Nr. 323), 1 Ex.

Chorthippus abchasicus RME.

Chentej aimak 150 km ONO von Öndörchaan, 10 km S von Kerulen, 1000 m, 30.—31. VII. 1965 (Nr. 332), 1 Ex.

New for the fauna of Mongolia.

Chorthippus hemipterus UV

Čojbalsan aimak 44 km NW von Čojbalsan, 750 m, 17. VIII. 1965 (Nr. 426), 2 Ex. — Chentej aimak 20—40 km SW von Somon Žargaltchaan, S vom Fluß Zencher gol, 1150 m, 23. VIII. 1965 (Nr. 472), 1 Ex.

New for the fauna of Mongolia.

Chorthippus strelkovi strelkovi B.-BIENKO

Central aimak Ulan-Baator, Nucht im Bogdo ul, 1600 m, 22. VII.—27. VIII. 1965 (Nr. 297a), 2 Ex. — Čojbalsan aimak 44 km NW von Čojbalsan, 750 m, 17. VIII. 1965 (Nr. 426), 1 Ex.

Chorthippus chapini CHANG

Central aimak 12 km SO von Ulan-Baator, Nucht im Bogdo ul, 1500 m, 6. VII.

1964 (Nr. 274), 1 Ex.; 126 km N von Ulan-Baator am Wege, 1100 m, 7. VII. 1964 (Nr. 278), 2 Ex.; Ulan-Baator, Nucht im Bogdo ul, 1600 m, 22. VII.—27. VIII. 1965 (Nr. 297a), 5 Ex.

New for the fauna of Mongolia.

***Chorthippus grahami* CHANG**

Ostgobi aimak Cagan Elis, 800 m, 30 km OSO von Zuun-Bajan, 22. VI. 1963 (Nr. 21), 1 Ex. — Central aimak Nalaichin chundi, Zuun modni ich, 1400 m, 50 km OSO von Ulan-Baator, 5. VII. 1963 (Nr. 95), 1 Ex. — Archangaj aimak 20 km N von Charchorin, 1640 m, 1 VII. 1964 (Nr. 235), 1 Ex.

***Chorthippus songaricus* B.-BIENKO**

Central aimak Onžulin chundi, 1400 m, 100 km SW von Ulan-Baator, 15. VII. 1964 (Nr. 131), 1 Ex.

New for the fauna of Mongolia.

***Chorthippus cavilosus cavilosus* MISTSH.**

Central aimak Ulan-Baator, Nucht im Bogdo ul, 1600 m, 22. VII.—27. VIII. 1965 (Nr. 297a), 1 Ex.

New for the fauna of Mongolia.

***Chorthippus antennalis* UM.**

Central aimak Zuun-Chara, am linken Ufer von Chara gol, 1420 m, 9. VII. 1963 (Nr. 103), 1 Ex.

***Chorthippus angulatus* FABR.**

Chentej aimak 20 km SW von Somon Norovlin, 900 m, 19. VIII. 1965 (Nr. 449), 1 Ex.

***Chorthippus longicornis* LATR.**

Central aimak Ulan-Baator, Nucht im Bogdo ul, 1500—1800 m, 22. VII. 1965 (Nr. 294), 1 Ex.

***Chorthippus tianshanicus* UV**

Central aimak 9 km O von Nalajch, 50 km O von Ulan-Baator, 1300 m, 20. VI. 1963 (Nr. 10), 1 Ex. — Uburchangaj aimak Changaj Gebirge, 18 km S von Somon Chužirt, 1830 m, 29. VI. 1964 (Nr. 223), 1 Ex.

Chorthippus sp.

U b u r c h a n g a j a i m a k Changaj Gebirge, 18 km S von Somon Chužirt, 1830 m, 29. VI. 1964 (Nr. 223), 5 Ex. — **C e n t r a l a i m a k** Kerulen, 45 km O von Somon Bajandelger, 1400 m, 26. VII. 1965 (Nr. 304), 1 Ex.

OEDIPODINAE**Oedaleus asiaticus B.-BIENKO**

C h e n t e j a i m a k Somon Mörön, 1200 m, 28. VII. 1965 (Nr. 318), 1 Ex.; 7 km NO von Somon Mörön, 1200 m, 28.—29. VII. 1965 (Nr. 319), 1 Ex.; ebenda, 28. VII.—21. VIII. 1965 (Nr. 323), 1 Ex.; ebenda, 22. VIII. 1965 (Nr. 463), 1 Ex.; 15 km O von Öndörchaan, 1 km S von Kerulen, 1000 m, 30. VII. 1965 (Nr. 326), 1 Ex. — **S u c h e b a a t o r a i m a k** Molzogelis, 2 km S von Somon Dariganga, 1150 m, 6. VIII. 1965 (Nr. 367), 1 Ex.

Bryodema tuberculatum dilutum STÅL

U b u r c h a n g a j a i m a k Changaj Gebirge, 15 km NO von Somon Chužirt, 1700 m, 30. VI. 1964 (Nr. 228), 18 Ex. — **C e n t r a l a i m a k** Ulan-Baator, Nucht im Bogdoul, 1500–1800 m, 22. VII. 1965 (Nr. 294), 3 Ex.; Ulan-Baator, Nucht im Bogdoul, 1700 m, 22. VII.—27. VIII. 1965 (Nr. 297a), 1 Ex. — **C h e n t e j a i m a k** 7 km NO von Somon Mörön, 1200 m, 28.—29. VII. 1965 (Nr. 319), 1 Ex.; ebenda, 28.—29. VII. 1965 (Nr. 320), 2 Ex.; ebenda, 28. VII.—21. VIII. 1965 (Nr. 323), 2 Ex.; ebenda, 22. VIII. 1965 (Nr. 463), 1 Ex.

Bryodema gebleri mongolicum ZUB.

S ü d g o b i a i m a k 10 km S von Somon Bulgan, 1400 m, 19. VI. 1964 (Nr. 152), 6 Ex.; Gurban Sajchanul, 30 km S von Somon Bulgan, 1700 m, 19. VI. 1964 (Nr. 153), 2 Ex. — **U b u r c h a n g a j a i m a k** Arc Bogdoul, ca. 20 km S von Somon Chovd, 1760 m, 21. VI. 1964 (Nr. 166), 7 Ex.; ebenda, 22. VI. 1964 (Nr. 169), 2 Ex.; 50 km NW von Somon Bogd, 1500 m, 22. VI. 1964 (Nr. 173), 2 Ex.; Baga Bogdoul, zwischen Somon Bogd und Somon Baruun Bajan-ulaan, 1900 m, 22. VI. 1964 (Nr. 174), 27 Ex., ebenda, 23. VI. 1964 (Nr. 175), 1 Ex.; Changaj Gebirge, 30 km N von Arbajcher, 1870 m, 29. VI. 1964 (Nr. 222), 2 Ex.; Changaj Gebirge, 2 km S von Somon Schanch, 1690 m, 30. VI. 1964 (Nr. 230), 1 Ex. — **B a j a n c h o n g o r a i m a k** Changaj Gebirge, 56 km N von Somon Žinst, 1950 m, 26. VI. 1964 (Nr. 202), 1 Ex.; Changaj Gebirge, 35 km S von Bajanchongor (Zentrum), 2000 m, 26. VI. 1964 (Nr. 203), 1 Ex.

Bryodema luctuosum luctuosum STOLL

O s t g o b i a i m a k Ulan chosu, 1200, 38 km SO von Čojren, 21. VI. 1963 (Nr. 13), 1 Ex.; 40 km NW von Chara-Eireg, 1150 m, 30. VI. 1963 (Nr. 62), 1 Ex. — **C e n t r a l a i m a k** Nalajchin chundi, Zuun modni ich, 1400 m, 50 km OSO von Ulan-Baator,

5. VII. 1963 (Nr. 95), 7 Ex.; Zuun-Chara, am linken Ufer von Chara gol, 1420 m, 9. VII. 1963 (Nr. 103), 1 Ex. — Uburchangaj aimak Changaj Gebirge, 30 km N von Arbajcher, 1870 m, 29. VI. 1964 (Nr. 222), 1 Ex.; Changaj Gebirge, 15 km NO von Somon Chužirt, 1700 m, 30. VI. 1964 (Nr. 228), 2 Ex. — Chentej aimak zwischen Somon Zenchermandal und Somon Žargaltchaan, 1400 m, 27. VII. 1965 (Nr. 309), 1 Ex.; 7 km NO von Somon Mörön, 1200 m, 28.—29. VII. 1965 (Nr. 320), 2 Ex.; ebenda, 22. VIII. 1965 (Nr. 463), 2 Ex. — Suchebaraator aimak 5 km NO von Somon Dariganga, 1150 m, 8. VIII. 1965 (Nr. 374a), 2 Ex.

Bryodema holdereri holdereri KRAUSS

Uburchangaj aimak Changaj Gebirge, 15 km NO von Somon Chužirt, 1700 m, 30. VI. 1964 (Nr. 228), 2 Ex. — Central aimak Ulan-Baator, Nucht im Bogdo ul, 1500—1800 m, 22. VII. 1965 (Nr. 294), 1 Ex. — Chentej aimak 7 km NO von Somon Mörön, 1200 m, 28.—29. VII. 1965 (Nr. 320), 2 Ex.; ebenda, 21. VIII. 1965 (Nr. 459), 1 Ex.; ebenda, 22. VIII. 1965 (Nr. 463), 5 Ex.; 10 km W von Somon Delgerchaan, 1250 m, 23.—24. VIII. 1965 (Nr. 474), 1 Ex.; 15 km O von Öndörchaan, 1 km S von Kerulen, 1000 m, 30. VII. 1965 (Nr. 326), 1 Ex. — Suchebaraator aimak Molzog elis, 2 km S von Somon Dariganga, 1150 m, 6. VIII. 1965 (Nr. 367), 13 Ex.

Angeracris barabensis PALL.

Central aimak Kerulen, 45 km O von Somon Bajandelger, 1400 m, 26. VII. 1965 (Nr. 304), 2 Ex. — Chentej aimak Čandagan tal, 40 km O von Somon Žargaltchaan, 1300 m, 28. VII. 1965 (Nr. 317), 1 Ex.; 7 km NO von Somon Mörön, 1200 m, 28.—29. VII. 1965 (Nr. 319), 8 Ex.; ebenda, 28.—29. VII. 1965 (Nr. 320), 6 Ex.; ebenda, 28. VII.—21. VIII. 1965 (Nr. 323), 33 Ex.; 15 km O von Öndörchaan, 1 km S von Kerulen, 1000 m, 30. VII. 1965 (Nr. 326), 2 Ex.; 20 km SW von Somon Norovlin, 900 m, 19. VIII. 1965 (Nr. 449), 1 Ex.; 45 km SW von Somon Norovlin, 1000 m, 20. VIII. 1965 (Nr. 453), 4 Ex.; 20 km SW von Somon Batnorov, 1000 m, 20. VIII. 1965 (Nr. 455), 1 Ex.; 7 km NO von Somon Mörön, 1200 m, 21. VIII. 1965 (Nr. 459), 4 Ex.; ebenda, 22. VIII. 1965 (Nr. 463), 9 Ex.; zwischen Somon Zenchermandal und Somon Žargaltchaan, 1400 m, 23. VIII. 1965 (Nr. 469), 9 Ex.; 20—40 km SW von Somon Žargaltchaan, S vom Fluß Zencher gol, 1150 m, 23. VIII. 1965 (Nr. 472), 4 Ex.; 10 km W von Somon Delgerchaan, 1250 m, 23.—24. VIII. 1965 (Nr. 474), 6 Ex. — Suchebaraator aimak Chadatin-bulan, 60 km N von Somon Bajanterem, 950 m, 31. VII. 1965 (Nr. 339a), 1 Ex.; 5 km NO von Somon Dariganga, 1150 m, 8. VIII. 1965 (Nr. 374a), 16 Ex. — Čojbalsan aimak Somon Tamzagbulag, 600 m, 10.—11. VIII. 1965 (Nr. 387), 3 Ex.; Chamardavaa ul, 80 km SO von Somon Chalchingol, 600 m, 13. VIII. 1965 (Nr. 400), 3 Ex.; Menengijn tal, 80 km WSW von SW-Ecke des Sees Bujr nur, 600 m, 14. VIII. 1965 (Nr. 414), 1 Ex.; Menengijn tal, 160 km S vom See Bujr nur, 600 m, 15. VIII. 1965 (Nr. 417), 3 Ex.; 44 km NW von Čojbalsan, 750 m, 17. VIII. 1965 (Nr. 426), 3 Ex.; 15 km N von Somon Galuut, 850 m, 17. VIII. 1965 (Nr. 434), 3 Ex.

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Autor(en)/Author(s): Steinmann Henrik

Artikel/Article: [99. Tetricidae und Acridiidae Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei \(Orthoptera\) 107-120](#)