

RESULTS OF THE CZECHOSLOVAK-IRANIAN ENTOMOLOGICAL EXPEDITIONS TO IRAN 1970, 1973 AND 1977

Heteroptera: Acanthosomatidae, Cydnidae, Scutelleridae, Pentatomidae

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Iran, Heteroptera: Pentatomoidea, faunistic, taxonomy, new species, key, check-list.

Abstract: This paper on Iranian Pentatomoidea is based on the material collected by the three expeditions (1970, 1973, 1977) of the National Museum (Natural History), Praha to Iran and on the additional material collected by the Iranian entomologists of Plant Pests and Diseases Research Institute, Tehran-Evin and by J. Klapperich. The Iranian fauna of Pentatomoidea consists of 261 species (Acanthosomatidae 2 species, Cydnidae 36 species, Scutelleridae 39 species, Pentatomidae 184 species), of which 63 species are listed for first time for the fauna of Iran. Four species are described in this paper *Hotea (Tylonca) curculionoides occidentalis* ssp. n. from S. Iran, *Alphocoris pfeifferi* sp.n. from S. Iran and Iraq (Scutelleridae), *Mustha vicina* sp.n. from S. and W. Iran and *Aeliomorpha pazukii* sp.n., from Gulf region (Pentatomidae). Redescription, according to the types, had been made of two less known species *Mustha longispinis* Reuter (Anatolia) and *Mustha serrata* (Fabricius) (Syria). All species of the genus *Mustha* are keyed.

Phricodus pakistanica Hamid, 1974 is synonymized with *Phricodus bessaci* Villiers, 1965 and *Mustha spinosa* (Abbasi and Hamid, 1971) is synonymized with *Mustha gigantea* Horvath, 1907.

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ACANTHOSOMATIDAE

Acanthosoma haemorrhoidale (Linnaeus, 1758)

5 ♂♂ and 3 ♀♀ – N. Iran, Mazandaran, Duk forest 10 km. S. of Beshahr, 480 m., 23.–24.6.1977 (loc. no. 380); 1 ♂ – N. Iran, Mazandaran, Istgah-e Zirab, 24.–26.6.1977 (loc. no. 382); 3 ♀♀ – N. Iran, Gilan, Alborz, Kuh-e Almas, 20 km. N.N.W. of Khalkhal, 2180 m., 29.6.–1.7.1977 (loc. no. 391). Collected by the Czechoslovak-Iranian Expeditions.

Further material examined: 1 ♂ – N. Iran, Gilan, Assalem, 10.6.1973 Abai collected; 2 ♀♀ – 4.8.1973 Mirzayans collected; 1 ♂ – N. Iran, Gilan, Assalem, Hashipor, 1250 m., 30.7.1976 Burumand and Pazuki collected.

In Iran previously recorded from N. Iran, Gorgan (Jakovlev 1877, Oshanin 1906). Species of Eurosiberian distribution.

Elasmucha eckerleini Josifov, 1971

1 ♀ – N. Iran, Cental province, Alborz, Kandavan pass, 2780 m., 4.–9.7.1977 (loc. no. 395). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 2 ♂♂ – N. Iran, Gilan, Assalem, 30.8.1973 Mirzayans collected.

In Iran previously recorded from N. Iran, Naharkhoran S. of Gorgan (Josifov 1971). Species of Endemic distribution in Iran.

CYDNIDAE THAUMASTELLINAE

Thaumastella aradoides Horváth, 1896

1 ♀ – S. Iran, Abbassi, Issin, south slopes of Kuhha-ye Geno 45 km. N.W. of Bandar Abbas, 11.5.1973 (loc. no. 198) 4 ♂♂ and 10 ♀♀ – S. Iran, Abbassi, Shahvar, 12 km. N.W. of Minab, 18.–19.5.1973 (loc. no. 202) 10 ♂♂ and 18 ♀♀ – S. Iran, Abbassi, Minab, 19.–20.5.1973 (loc. no. 203) 1 ♂ and 2 ♀♀ – S. Iran, Abbassi, 16 km. N. of Jask, 22.–23.5.1973 (loc. no. 208), 2 ♂♂ and 4 ♀♀ – S. Iran, Abbassi, Bilai, 23.–24.1973 (loc. no. 209); 2 ♂♂ and 2 ♀♀ – S. Iran, Kerman province, 7 km. W. of Kahkom, 20 km. S.W. of Hajiabad, 28.5.1973 (loc. no. 215); 1 ♂ – S. Iran, Abbassi, Bagh-e Tang, 6 km. W. of Geno, 410 m., 50 km. N. of Bandar Abbas, 7.–9.5.1977 (loc. no. 323). Collected by the Czechoslovak-Iranian expeditions.

2 ♂♂ and 2 ♀♀ from the vicinity of Kahkom, 20 km. S.W. of Hajiabad were collected by sweeping. Specimens from all other localities were collected by light trap mainly in coastal sandy plain (nos 202, 208, 209), dense savanna with tree-like growth with predominant *Prosopis spicigera*, *Acacia arabica*, *Acacia nubica*, *Tamarix aphylla*, *Salvadora persica*, *Ephedra ciliata*, *Calligonum comosum*, *Calotropis procera*. Collecting places, nos. 215 and 323 represented typical steppe zones.

In Iran previously recorded from S. Iran, Kerman province, Sabzevaran (Djiroft), Anbar-abad (Seidenstücker 1960, 1964).

Species of Eremian distribution recorded from Algeria (Biskra, type-locality), Sudan (Hudeida), Iraq (Baghdad) and Iran.

CYDNINAE

Aethus laticollis Wagner, 1954

1 ♂ – N. Iran, Central province, Kushke-nosrat, 23.6.1970 (loc. no. 33), north strand of salt lake Daryatchehe Ghom. Collected by the Czechoslovak-Iranian expedition.

From Iran previously not recorded, first record.

Species of Mediterranean distribution, recorded from Canary Islands, Spain and Iran.

Aethus macrophthalmus (Wagner, 1951)

4 ♂♂ and 9 ♀♀ – S.E. Iran, Baluchestan, Sarbaz river valley, 11 km. N. of Sarbaz, 1.–2.4.1973 (loc. no. 145); 1 ♂ and 1 ♀ – S.E. Iran, Baluchestan, 3 km. N. of Rask, 2.–3.4.1973 (loc. no. 146); 5 ♂♂ and 4 ♀♀ – S.E. Iran, Baluchestan, Bahu-Kalat, 68 km. S. of Rask, 3.–4.4.1973 (loc. no. 150); 2 ♂♂ and 1 ♀ – S.E. Iran, Baluchestan, valley of the river Nikshahr, 15 km. S.S.E. of Nikshahr, 8.–9.4.1973 (loc. no. 152); 1 ♂ and 1 ♀ – S.E. Iran, Baluchestan, 25 km. W. of Ghasre-Ghand, 9.–10.4.1973 (loc. no. 153); 1 ♂ – S. Iran, Abbassi, Issin, south slopes of Kuhha-ye Geno, 11.–15.4.1973 (loc. no. 198); 2 ♂♂ and 1 ♀ – S.W. Iran, Khuzestan, Albaji, 15 km. W. of Ahwaz, 14. – 15.4.1977 (loc. no. 290); 3 ♂♂ and 3 ♀♀ – S.W. Iran, Khuzestan, Siahmakan, 200 m., about 70 km. N. of Bandar Genaveh, 17.–18.4.1977 (loc. no. 295); 1 ♂ – S. Iran, Bushehr province, Baghak, 15 km. W. of Ahram, 60 m., 19.–20.4.1977 (loc. no. 301); 1 ♀ – S. Iran, Abbassi, Chah-kuh, 15 km. N.E. of Bandar-e Lengeh, 25.–26.4.1977 (loc. no. 313); 1 ♂ – S. Iran, Abbassi, Issin, 28.4.–6.5.1977 (loc. no. 320); 1 ♀ – S. Iran, Abbassi, Ziarat, 23 km. N.W.N. of Bila'i, 14.–15.5.1977 (loc. no. 330) Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded from S.E. Iran, Baluchestan, Kahuran near Putab (Seidenstücke 1957).

Species of Eremian distribution, recorded from Egypt, Sudan, Iran and Saudi Arabia.

Aethus pilosulus (Klug, 1845)

4 ♀♀ – N. Iran, Central province, Kushke-nosrat, 28.6.1970 (loc. no. 33); 1 ♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 9.3.1973 (loc. no. 123); 4 ♂♂ – S.E. Iran, Baluchestan, Bahu-Kalat, 68 km. S. of Rask, 3.–4.4.1973 (loc. no. 147); 4 ♂♂ and 16 ♀♀ – S.E. Iran, Baluchestan, Tis, 6.–7.4.1973 (loc. no. 150); 1 ♂ and 1 ♀ – S.E. Iran, Baluchestan, 25 km. W. of Ghasre-Ghand, 34 km. E. of Niksahr, 9.–10.4.1973 (loc. no. 153); 1 ♀ – S.E. Iran, 30 km. N. of Bampur, 12.–13.4.1973 (loc. no. 159); 2 ♀♀ – E. Iran, Sistan, Kahurak, 23.–24.4.1973 (loc. no. 176); 2 ♂♂ and 11 ♀♀ – E. Iran, Kerman province, Mohammad-abad, 35 km N.N.W. of Sabzevaran, 1600 m., 3.–5.5.1973 (loc. no. 187); 7 ♂♂ and 7 ♀♀ – E. Iran, Kerman province, Dowlat-abad, 85 km. E. of Hajiabad, 8.–9.5.1973 (loc. no. 192); 4 ♂♂ and 12 ♀♀ – S. Iran, Kerman

province, 24 km. S.S.W. of Hajiabad, 9.-10.5.1973 (loc. no. 194); 13 ♂♂ and 22 ♀♀ - S. Iran, Abbasi, Issin, south slope of Kuhha-ye Geno, 11.-15.5.1973 (loc. no. 198); 4 ♂♂ and 5 ♀♀ - S. Iran, Asbbassi, Hassan Langi, 62 km. E. of Bandar Abbas, 16.-17.5.1973 (loc. no. 200); 2 ♀♀ - S. Iran, Abbassi, Shahvar, 12 km. N.W. of Minab, 18.-19.5.1973 (loc. no. 202); 1 ♂ and 2 ♀♀ - S. Iran, Abbassi, Minab, 18.-19.5.1973 (loc. no. 203); 17 ♂♂ and 47 ♀♀ - S. Iran, Kerman province, 7 km. W. of Kahkom, 20 km. S.W. of Hajiabad, 28.5.1973 (loc. no. 215); 1 ♂ and 1 ♀ - S. Iran, Kerman province, Gardaneh-e Besan, 1000 - 1400 m., 15 km. N.W. of Furk, 28.-29.5.1973 (loc. no. 218); 4 ♂♂ and 34 ♀♀ - S. Iran, Fars, Korsiash, 14 km. N.N.W. of Darab, 29.-30.5.1973 (loc. no. 220); 3 ♀♀ - S. Iran, Fars, 10 km. N. of Dalaki, 30 km. N.N. E. of Borozjan, 18.-19.4.1977 (loc. no. 298); 1 ♀ - S. Iran, Abbasi, Baghak, 15 km. W. of Ahram, 60 m., 19.-20.4.1977 (loc. no. 301); 1 ♂ and 4 ♀♀ - S. Iran, Abbassi, Chah-kuh, 15 km. N.E. of Bandar-e Lengeh, 25.-26.4.1977 (loc. no. 313); 7 ♀♀ - S. Iran, Abbassi, Bagh-e Tang, 6 km. W. of Genu, 410 m., 50 km. N. of Bandar Abbas, 5.-9.5.1977 (loc. no. 323); 2 ♂♂ and 2 ♀♀ - S. Iran, Abbassi, Sanderk, S. of Bashagerd, 220 m., 12.-13.5.1977 (loc. no. 327). Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded without exact locality by Oshanin (1906, 1912) and from N. Iran and Baluchestan by Putshkov (1965).

Species of Holomediterranean distribution, in S.W. Asia recorded from Israel, Syria, Iran, Afghanistan, Caucasus, Middle Asia; Kirghizia.

***Aethus pallidus* (Puton, 1887)**

1 ♀ - S.E. Iran, Baluchestan, Sarbaz river valley, 11 km. N. of Sarbaz, 1.-2.4.1973 (loc. no. 145); 8 ♂♂ and 6 ♀♀ - S.E. Iran, Baluchestan, Tis, 6.-7.4.1973 (loc. no. 150); 1 ♂ and 3 ♀♀ - S. Iran, Abbassi, Issin, south slopes of Kuhha-ye Geno, 45 km. N.W. of Bandar Abbas, 11.-15.5.1973 (loc. no. 198); 2 ♂♂ and 1 ♀ - S. Iran, Abbassi, Shahvar, 12 km. N.W. of Minab, 18.-19.5.1973 (loc. no. 202); 1 ♂ and 5 ♀♀ - S. Iran, Abbassi, Minab, 19.-20.5.1973 (loc. no. 203); 10 ♂♂ and 34 ♀♀ - S. Iran, Abbassi, 16 km. N. of Jask, 22.-23.5.1973 (loc. no. 208); 15 ♂♂ and 34 ♀♀ - S. Iran, Abbassi, Bila'i, 23.-24.5.1973 (loc. no. 209); 63 ♂♂ and 126 ♀♀ - S. Iran, Abbassi, Hassan Langi, 62 km. E. of Bandar Abbas, 24.-25.5.1973 (loc. no. 211); 1 ♀ - S. Iran, Abbassi, Bagh-e Tang, 6 km. W. of Geno, 410 m., 50 km. N. of Bandar Abbas, 7.-9.5.1977 (loc. no. 323). Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded from S. Iran, Bandar Lengeh, Minab and N. Iran, Gorgan (Wagner 1968).

Species of Eremian distribution, recorded from Algeria, Egypt, Saudi Arabia (as *Aethus pallidus scutellaris* (Horváth)).

***Aethus laeviceps* (Kerzhner, 1972)**

2 ♂♂ and 2 ♀♀ - N. Iran, Central province, Kushke-nosrat, 23.6.1970 (loc. no. 33); 1 ♂ - S.E. Iran, Baluchestan, Tis, 6.-7.4.1973 (loc. no. 150); 1 ♀ - N.E. Iran,

Khorasan, 36 km. N. of Gonabad, 830 m., 7.-8.6.1977 (loc. no. 361). Collected by the Czechoslovak-Iranian expeditions.

Further material examined : 1 ♀ - E. Iran, Kerman province, Bam, 7.8.1948 Aellen collected.

From Iran previously not recorded, first record.

Hitherto recorded from Middle Asia, North Caspian region and Mongolia.

***Aethus comaroffi* (Jakovlev, 1879)**

3 ♀♀ - E. Iran, Kerman province, Rafsandjan, 22.3.1973 (loc. no. 131); 1 ♀ - S.E. Iran, Baluchestan, Tis, 6.-7.4.1973 (loc. no. 150); 2 ♀♀ - S.E. Iran, Baluchestan, Kuh-e Taftan, Tamandan valley, 2200 m. 18.4.1973 (loc. no. 168); 1 ♂ and 1 ♀ - S. Iran, Abbassi, Hassan Langi, 62 km. E. of Bandar Abbas, 16.-17.5.1973 (loc. no. 200); 1 ♀ - N.E. Iran, Khorassan, 36 km. N. of Gonabad, 830 m., 7.-8.6.1977 (loc. no. 361). Collected by the Czechoslovak-Iranian Expeditions.

From Iran recorded by Kerzhner 1972 (without exact locality).

Recorded from Ciscaucasia, Transcaucasia, Afghanistan. Iran, South and Central Kazakhstan, Middle Asia, China and Mongolia.

***Macroscytus brunneus* (Fabricius, 1803)**

3 ♂♂ and 5 ♀♀ - S.E. Iran, Baluchestan, valley of the river Nikshahr, 13 km. S.S.E. of Nikshahr, 8.-9.4.1973 (loc. no. 152); 4 ♀♀ - S.E. Iran, Baluchestan, 25 km. W. of Ghasre-Ghand, 34 km. E. of Nikshahr, 9.-10.4.1973 (loc. no. 153); 1 ♀ - S.E. Iran, Baluchestan, Sarbaz river valley, 11 km. N. of Sarbaz, 1.-2.4.1973 (loc. no. 145); 3 ♀♀ - S.E. Iran, Baluchestan, 30 km. N. of Bampur, 12.-13.4.1973 (loc. no. 159); 5 ♂♂ and 4 ♀♀ - E. Iran, Kerman province, Mohammad-abad, 35 km. N.N.W. of Sabzevaran, 1600 m., 3.-5.5.1973 (loc. no. 187); 2 ♂♂ and 4 ♀♀ - E. Iran, Kerman province, Gav Koshi near Esfandagheh, 60 km. W. of Sabzevaran, 1650 m., 7.-8.5.1973 (loc. no. 190); 1 ♀ - E. Iran, Kerman province, Banu-e Charehar, 1800 - 2000 m., 25 km. N.W. of Sowghan, 8.5.1973 (loc. no. 191); 2 ♂♂ and 3 ♀♀ - S. Iran, Kerman province, Dowlat-abad, 85 km. E. of Hajiabad, 8.-9.5.1973 (loc. no. 192); 2 ♂♂ and 4 ♀♀ - S. Iran, Kerman province, 24 km. S.S.W. of Hajiabad, 9.-10.5.1973 (loc. no. 194); 1 ♂ - S. Iran, Abbassi, Hassan Langi, 62 km. E. of Bandar Abbas, 16.-17.5.1973 (loc. no. 200); 1 ♂ - S. Iran, Abbassi, Shahvar, 12 km. N.W. of Minab, 18.-19.5.1973 (loc. no. 202); 1 ♂ and 1 ♀ - S. Iran, Abbassi, Issin, south slopes of Kuhha-ye Geno, 45 km. N. W. of Bandar Abbas, 11.-15.5.1973 (loc. no. 198); 1 ♂ - S. Iran, Kerman province, 7 km. W. of Kahkom, 20 km. S.W. of Hajiabad, 28.5.1973 (loc. no. 215); 1 ♀ - S. Iran, Kerman province, Gardaneh-e Besan, 15 km. N.W. of Furk, 1000 - 1400 m., 28.-29.5.1973 (loc. no. 218); 2 ♂♂ and 2 ♀♀ - S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.-10.6.1973 (loc. no. 229); 1 ♂ - S.W. Iran, Lorestan, Pol-e Tang, 60 km. N.W. of Andimeshk, 490 m., 10.-11.4.1977 (loc. no. 284); 1 ♂ - S. Iran, Abbassi, 7 km. W. of Bandar-e Charak, 24.-25.4.1977 (loc. no. 311); 3 ♂♂ and 3 ♀♀ - S. Iran, Abbassi, Issin, 28.4.1977 (loc. no. 320); 1 ♂ and 3 ♀♀ - S. Iran, Abbassi,

Bagh-e Tang, 6 km. W. of Geno, 410 m., 50 km. N. of Bandar Abbas, 7.-9.4.1977 (loc. no. 323); 3 ♂♂ and 4 ♀♀ – S. Iran, Abbassi, 25 km. N.E. of Khamir, 26.-27.4.1977 (loc. no. 317); 1 ♂ – S. Iran, Kerman province, Saghdar, 30 km. N.N.E. of Sabzevaran, 1650 m., 17.-19.5.1977 (loc. no. 337); 1 ♂ – C. Iran, Kerman province, Posht-e Kuh, 50 km. N.W. of Dowlat-abad, 1700 m., 21.-22.5.1977 (loc. no. 343); 1 ♀ – E. Iran, Sistan, Kuh-e Khajeh, 490 m., 3.-5.6.1977 (loc. no. 357). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – S.E. Iran, Baluchestan, Iranshahr 16.3.1949, Scharif collected; 1 ♀ – N. Iran, Gholhak near Tehran, 1400 m., 1.10.1961, 1 ♀ – N. Iran, Alborz, Wallen valley, 1700 m., 13.10.1961, Klapperich collected; 1 ♂ – E. Iran, Kerman province, Esfandagheh – Sargaz, 1650 m., 20.5.1977, Safavi and Pazuki collected.

In Iran previously recorded from S.E. Iran, Baluchestan, Sarbaz (Hoberlandt 1954), Iranshahr (Seidenstücker 1957), Bampur (Kiritshenko 1957); S. Iran, Abbassi, Minab, Bandar Abbas (Kiritshenko 1966, Wagner 1968), Bandar-e Lengeh (Wagner 1968).

Species of Holomediterranean distribution ranging to the Ethiopian and Oriental region.

***Geotomus elongatus elongatus* (Herrich-Schäffer, 1839)**

1 ♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 9.-10.3.1973 (loc. no. 123); 1 ♂ and 2 ♀♀ – S. Iran, Kerman province, 24 km. S.S.W. of Hajiabad, 9.-10.5.1973 (loc. no. 194); 1 ♀ – S. Iran, Abbassi, Minab, 19.-20.5.1973 (loc. no. 203); 1 ♂ – S. Iran, Ababassi, Issin, 28.4.-6.5.1977 (loc. no. 320). Collected by the Czechoslovak-Iranian expeditions.

From Iran previously not recorded, first record.

Species of Mediterranean origin with northern extension as far as Hungary and further recorded from Turkey, Transcaucasia, Israel, Syria, Caucasus and Middle Asia (Turkomanistan, Tajikistan and Uzbekistan).

***Geotomus elongatus angustus* Wagner, 1953**

2 ♀♀ – S. Iran, Abbassi, Issin, south slopes of Kuhha-ye Geno, 11.-15.5.1973 (loc. no. 198). Collected by the Czechoslovak-Iranian expedition.

Recorded from N. Africa and S. Spain. Previously not recorded from Iran, first record.

***Geotomus caucasicus caucasicus* (Kolenati, 1846)**

1 ♂ – S.E. Iran, Baluchestan, Tis, 6.-7.4.1973 (loc. no. 150); 2 ♀♀ – S. Iran, Abbassi, Issin, south slopes of Kuhha-ye, Geno, 45 km. N.W. of Bandar Abbas, 11.-15.5.1973 (loc. no. 198); 1 ♂ – S. Iran, Bushehr province, 12 km. N.W. of Kangan, 70 m., 21.-22.4.1977 (loc. no. 305); 1 ♂ and 1 ♀ – S. Iran, Abbassi, Bagh-e Tang, 6 km. W. of Genu, 410 m., 7.-9.5.1977 (loc. no. 323); 1 ♀ – S. Iran, Abbassi, Hassan

Langi, 55 km. N.E. of Bandar Abbas, 9.-10.5.1977 (loc. no. 324). Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded from S. Iran, Abbassi, Minab (Kiritshenko 1966); Iran (Wagner 1953). *Geotomus caucasicus ciliatitylus* Signoret recorded from Iran by Oshanin 1906, 1912, however the Iranian and Caucasian specimens belong to nominate subspecies (Wagner 1953). *G. caucasicus ciliatitylus* Signoret occurs in Balcan peninsula, Anatolia, Syria and Palestine.

***Geotomus punctulatus* (Costa, 1847)**

2 ♂♂ and 5 ♀♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 9.-10.3.1973 (loc. no. 123); 1 ♀ – 2.-7.4.1977 (loc. no. 276); 1 ♀ – N.E. Iran, Khorassan, Soghand, S. slope of Kuh-e Binalut, 15 km. N.E. of Nishabur, 1800 – 2300 m., 13.6.1977 (loc. no. 365). Collected by the Czechoslovak-Iranian expeditions.

From Iran previously not recorded, first record.

Species of Mediterranean origin penetrating into Central Europe; in S.W. Asia recorded from Turkey, Israel, Syria; Transcaucasia, Turkomanistan, Iran.

***Cydnus aterrimus* (Forster, 1771)**

1 ♀ – N. Iran, Central province, Alborz, N. slope of Alam Kuh massif, plain of Kalardasht, 1500 m., 12.8.1970 (loc. no. 91). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 2 ♂♂, 10 ♀♀ and 1 nymph – N. Iran, Gorgan province, Saffiabad, 10 m., 13.9.1948, Aellen collected.

In Iran previously collected from N. Iran, Central province, Damavand, Marunak, Ghazvin, Gharaghadj; Gorgan; S.E. Iran, Baluchestan, Sarbaz (Hoberlandt 1954); N. Iran, Mazandaran, Chalus, Nowshahr; Gorgan, Golestan forest (Wagner 1968); N. Iran, Central province, Karadj (Lindberg 1938).

European species, widely distributed; in S.W. Asia recorded from Turkey, Israel, Iran; Transcaucasia, Caucasus, Kazakhstan, Middle Asia.

***Cydnus infernalis* Kiritshenko, 1966**

1 ♂ – S. Iran, Fars, Mian Jangal, 30.5.-5.6.1973 (loc. no. 223); 1 ♀ – S. Iran, Abbassi, Issin, 28.4.-6.5.1977 (loc. no. 320). Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded from S. Iran, Issin and S.E. Iran, Baluchestan, Khash (Kiritshenko 1966).

Species of Endemic distribution in Iran.

SEHIRINAE

***Amaurocoris curtus* (Brullé, 1838)**

2 ♀♀ – S.E. Iran, Baluchestan, Sarbaz river valley, 11 km. N. of Sarbaz 1.-2.4.1973 (loc. no. 145); 2 ♂♂ – S.E. Iran, Baluchestan, Bahu-Kalat, 68 km. S. of

Rask, 3.-4.4.1973 (loc. no. 147); 1 ♀ - S.E. Iran, Baluchestan, Tis, 6.-7.4.1973 (loc. no. 150); 2 ♂♂ and 1 ♀ - S.E. Iran, Baluchestan, 13 km. S.E. of Nikshahr, valley of the river Nikshahr, 8.-9.4.1973 (loc. no. 152); 2 ♂♂ - S.E. Iran, Baluchestan, 25 km. W. of Ghasre-Ghand, 34 km. E. of Nikshahr, 9.-10.4.1973 (loc. no. 153); 2 ♀♀ - S. Iran, Abbassi, Minab, 19.-20.5.1973 (loc. no. 203); 1 ♀ - S. Iran, Kerman province, Gardaneh-e Besan, 15 km. N.W. of Furk, 1000 - 1400 m., 28.-29.5.1973 (loc. no. 218); 2 ♂♂ - S. Iran, Fars, 13 km. N.W. of Quaderabad pass in the altitude 2120 m., 21.6.1973 (loc. no. 253); 1 ♂ - S.W. Iran, Khuzestan, Mollassani, 45 km. N.W. of Ahwaz, 90 m., 13.-14.4.1977 (loc. no. 288); 1 ♂ - S. Iran, Fars, 10 km. N. of Dalaki, 30 km. N.N.E. of Borozjan, 18.-19.4.1977 (loc. no. 298); 1 ♂ and 2 ♀♀ - S. Iran, Bushehr province, Baghak, 15 km. W. of Ahram, 60 m., 19.-20.4.1977 (loc. no. 301); 2 ♀♀ - S. Iran, Abbassi, Issin, 28.4.-6.5.1977 (loc. no. 320); 1 ♀ - S. Iran, Bushehr province, Konardan, 36 km. E. of Gav Bandi, 210 m., 23.-24.4.1977 (loc. no. 309); 4 ♂♂ - S. Iran, Abbassi, Bagh-e Tang, 6 km. W. of Geno, 410 m., 50 km. N. of Bandar Abbas, 7.-9.5.1977 (loc. no. 323); 2 ♂♂ - E. Iran, Kerman province, Mohammadabad, 1000 m., 3.-5.5.1973 (loc. no. 187); 1 ♀ - S. Iran, Abbassi, Sanderk, S. of Bashagard, 220 m., 12.-13.5.1977 (loc. no. 327); 1 ♂ - S. Iran, Abbassi, Minab, 13.5.1977 (loc. no. 328). Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded from. S.E. Iran, Baluchestan, Dakhtiari, Kastak; E. Iran, Sistan, Zabol (Hoberlandt 1954); S. Iran, Abbassi, Bandar-e Lengeh (Wagner 1968).

Species of Eremian distribution: Central Sahara, N. Africa, Israel, Syria, Anatolia, Aden, Iran; Transcaucasia, Turkomanistan, Uzbekistan and Afghanistan.

***Amaurocoris orbicularis* Jakovlev, 1885**

1 ♀ - E. Iran, 13 km. W.S.W. of Kerman, 23.3.1973 (loc. no. 132); 1 ♀ - S.W. Iran, Khuzestan, Siahmakan, 200 m., about 70 km. N. of Bandar Genaveh, 17.-18.4.1977 (loc. no. 295); 1 ♂ - S. Iran, Abbassi, Ziarat, 23 km. N.W.N. of Bila'i, 14.-15.5.1977 (loc. no. 330); 1 ♂ and 1 ♀ - N.E. Iran, Khorassan, 36 km. N. of Gonabad, 830 m., 7.-8.6.1977 (loc. no. 361). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ - E. Iran, Sistan, 10.4.1950 Scharif collected.

In Iran previously recorded from E. Iran, Sistan, Zabol (Wagner 1968) and S.E. Iran, Baluchestan, Iranshahr (Seidenstücker 1957 as *Amaurocoris aspericollis* Puton).

Eremian: Central Sahara, Morocco, Tunisia, Algeria, Iran, Afghanistan and Middle Asia (Turkomanista, Tajikistan, Uzbekistan).

***Amaurocoris candidus* Horváth, 1889**

1 ♂ and 1 ♀ - N.E. Iran, Khorassan, 36 km. N. of Gonabad, 830 m., 7.-8.6.1977 (loc. no. 361). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 3 ♂♂ and 3 ♀♀ - N.E. Iran, Khorassan, Sarakhs, 5.8.1926 Semenov collected.

Species distributed through the semi-deserts and deserts of Turkomanistan and Uzbekistan; Afghanistan and N. Iran (Putshkov 1965 without exact locality).

***Exosehirus validus* (Jakovlev, 1877)**

1 ♀ – W. Iran, Lorestan, 10 km. W. of Babazaid between Malavi and Pol-e Dochtar, 880 m., 9.–10.4.1977 (loc. no. 283). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from N. Iran, Shaku (Jakovlev 1877, Oshanin 1912).

Recorded from Iran, Iraq, Afghanistan, Middle Asia (Tajikistan, Turkomanistan, Uzbekistan, Kirghizia), W. Kazakhstan.

***Legnotus limbosus* (Geoffroy, 1785)**

1 ♀ – N. Iran, Central province, Alborz, Abu Ask, 2000 m., 12.8.1960 Klapperich collected.

From Iran previously not recorded, first record.

European species occurring in N. Africa, Syria, Turkey, Israel, Transcaucasia, Kazakhstan and Uzbekistan.

***Legnotus picipes* (Fallen, 1897)**

1 ♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 2.–7.4.1977 (loc. no. 276); 1 ♂ and 3 ♀♀ – N.E. Iran, Khorassan, Soghand, S. slope of Kuh-e Binalud, 15 km. N.E. of Nishabur, 1600 – 2300 m., 13.6.1977 (loc. no. 365). All specimens belong to form *concolor* (Mulsant et Rey). Collected by the Czechoslovak-Iranian expedition.

From Iran previously not recorded, first record.

Species of European distribution, recorded also from Morocco, Transcaucasia, Iran; eastwards penetrating as far as Kazakhstan, Tuva and Kirghizia.

***Camptoporus melanopterus* (Herrich-Schäffer, 1835)**

1 ♀ – S. Iran, Fars, 10 km. N. of Kazerun, 5.–6.7.1970 (loc. no. 45√); 1 ♀ – N.W. Iran, Azerbaidjan, 30 km. N.W. of Mianeh, 5.7.1973 (loc. no. 265). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – N.W. Iran, Azarbaidjan, Maku-Ghazelbalagh, 1910 m., 27.7.1976 Burumend and Pazuki collected.

In Iran previously recorded from N. Iran, Central province, Ab-Garm (Hoberlandt 1954); W. Iran, Kordestan, Akinlou (Wagner 1961); Oshanin 1906, 1912.

Species of European distribution with rather southern extension, recorded from N. Africa, S.W. Asia and Middle Asia.

***Tritomegas sexmaculatus* (Rambur, 1842)**

1 ♀ – N. Iran, Central province, Alborz, Kandavan pass, south slope, 2780 m., 4.–9.7.1977 (loc. no. 395). Collected by Czechoslovak-Iranian expedition.

From Iran previously not recorded, first record.

Species of Mediterranean origin extending into Central Europe as far as Czechoslovakia. In S.W. Asia recorded from Anatolis, Iran, Caucasus and Transcaucasia.

Nishadana arabica Horváth, 1919

1 ♂ – S.W. Iran, Lorestan, Pol-e Tang, 60 km. N.W. of Andimeshk on the river Saimareh, 490 m., 10.–11.4.1977 (loc. no. 284). Collected by the Czechoslovak-Iranian expedition.

Previously not recorded from Iran, first record.

Species recorded from South Yemen (Aden, type-locality) and Somalia (according to Lilnnavuori 1986).

Ochetostehus sahlbergi Wagner, 1951

1 ♂ – N. Iran, Central province, Alborz, 8 km. N.E. of Ziaran, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expedition.

Species of Mediterranean distribution; further recorded from Egypt, Syria, Israel, Iran and Kirghizia.

Ochetostethus tarsalis (Mulsant et Rey, 1852)

2 ♀♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 9.–10.3.1973 (loc. no: 123); 1 ♂ – S. Iran, Fars, E. Zagros, Kushk, 42 km. N. of Massiri, 1800 m., 12.6.1973 (loc. no. 237). Collected by the Czechoslovak-Iranian expeditions.

From Iran previously not recorded, first record.

Species of Holomediterranean distribution, recorded from Spain, Italy, Morocco, Algeria, Iran and Saudi Arabia.

THYREOCORINAE

Thyreocoris scarabaeoides (Linnaeus, 1758)

1 ♂ – S. Iran, Fars, E. Zagros, Kushk, 42 km. N. of Massiri, 1800 m., 12.6.1973 (loc. no. 237). Collected by the Czechoslovak-Iranian expedition.

From Iran previously recorded by Putshkov 1965 and Štys and Davidová 1979, without exact locality.

Species of Eurosiberian distribution; in S.W. Asia recorded from Anatolia, Transcaucasia and Caucasus.

There are further published records of Cydnidae from Iran:

CYDNINAE

Aethus flavicornis (Fabricius, 1794) – S.W. Iran, Khuzestan, Dezful (Hoberlandt 1954). Species of Holomediterranean distribution.

Aethus rugosus (Jakovlev, 1874) – Iran (Signoret 1882; Wagner 1951); S. Iran, Abbassi, Bandar-e Lengeh (Wagner 1968). Irano-Turanian element, known from Iran, Turkomanistan, Iraq and Afghanistan.

Aethus pilosus (Herrich-Schäffer, 1834) – S.E. Iran, Baluchestan, Saravan (Hoberlandt 1954), pass Karvandar (Seidenstücker 1957). Species of Holomediterranean distribution. Ethiopian region.

Aethus hispidulus (Klug, 1845) – N. Iran (Putshkov 1965, without exact locality). Eremian (Egypt, Iran, Syria, Israel, Saudi Arabia).

Aethus sp. – S. Iran, Abbassi, Bandar-e Lengeh (Wagner 1968).

Byrsinus minor Wagner, 1964 – N. Iran, Gilan, Assalem, Mazandaran, Bandar Pahlavi (Wagner 1968). Central Asia, Mongolia.

Peribyssus discus (Jakovlev, 1906) – N. Iran (Putshkov 1965, without exact locality). Middle Asia.

SEHIRINAE

Sehirus robustus Horváth, 1893 – N. Iran, Gorgan province, Firuzabad (Chalus), Mazandaran, Kalardasht (Wagner 1968). Transcaucasia (Azarbaijan, Armenia), Anatolia.

Canthophorus coeruleus (Reuter, 1902) – N. Iran, Central province, Gharaghadj (Hoberlandt 1954, Brown 1966, Wagner 1968) – Middle Asia, Transcaucasia.

Canthophorus dubius (Scopoli, 1763) – S. Iran, Kerman province, Hajiabad (Jakovlev 1877); W. Iran, Hamadan province, Dolatabad (Brown 1966); N. Iran, Central province, Karadj (Lindberg 1938); N. Iran (Oshanin 1912). Species of European distribution, Caucasus, Turkey.

Ochetostethus opacus (Scholtz, 1847) – Iran (Kerzhner 1976, without exact locality). Species of European distribution; Anatolia, Near East.

Ochetostethus sp. – W. Iran, Hamadan province, Dolatabad (Brown 1966).

SCUTELLERIDAE

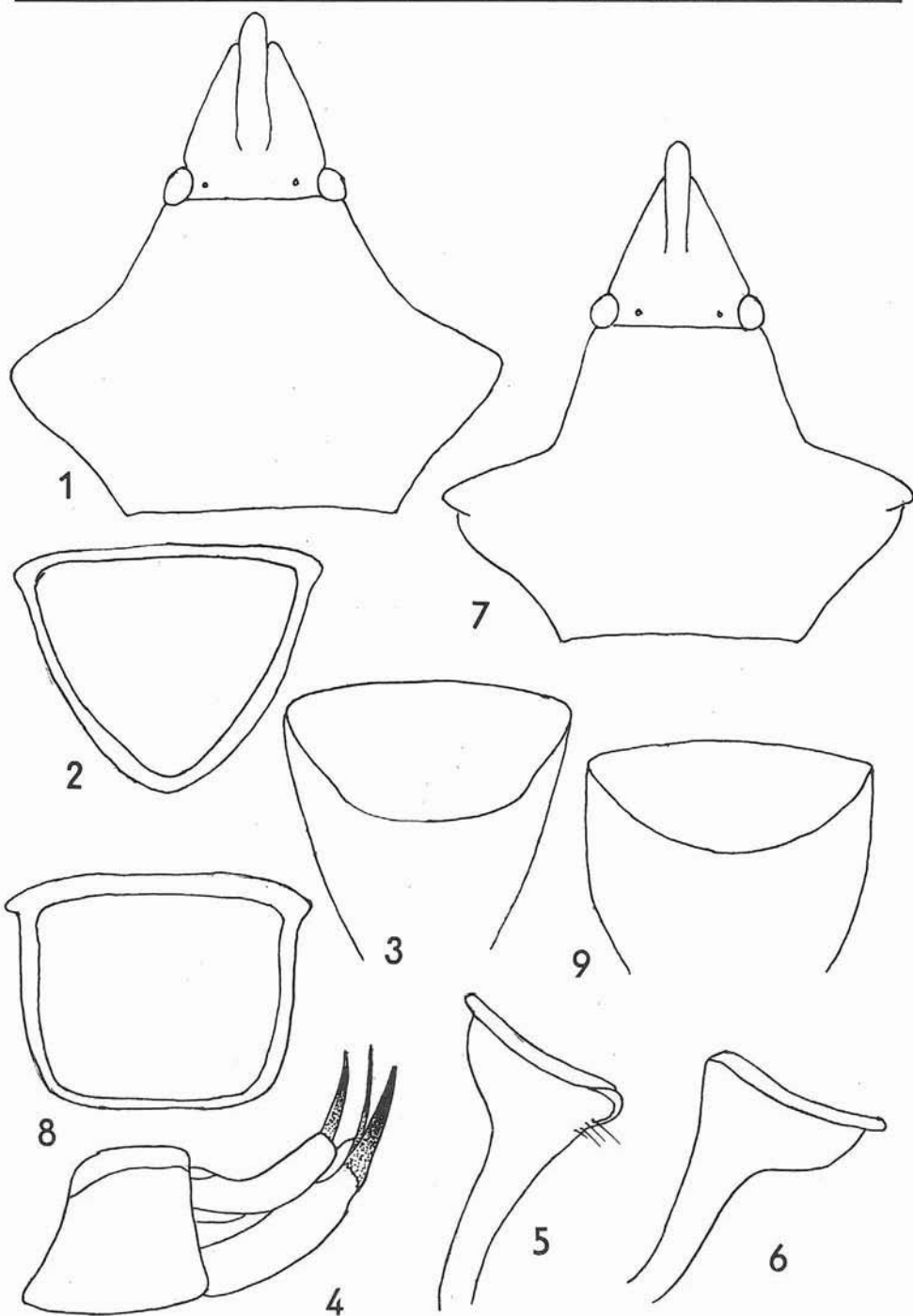
Hotea (Tylonca) curculionoides occidentalis ssp. n.

(Figs 1-9)

Male: length 9.8 mm, maximum width across pronotum 6.4 mm. Head: length 1.9 mm., width across eyes 2.7 mm, width between eyes, 1.6 mm. Antennae: I, 0.5 mm, II, 0.75 mm, III, 0.4 mm, IV, 1.0 mm, V, 1.1 mm. Pronotum: length 2.8 mm., width 6.4 mm. Scutellum: length 5.0 mm., maximum width 5.8 mm.

Body broadly ovate, 1.69 times as long as broad, broadest across pronotum, strongly arched. Body in general unicoloured reddish, smooth with very fine dense black puncturation.

Head broad, 1.4 times broader across eyes than long, ocular index 2.91, strongly narrowed anteriorly, with lateral margins rather straight or only slightly sinuate. Clypeus broad, long, on the apex broadly rounded, blunt and projecting longly beyond paraclypeal lobes, upper surface of head strongly and regularly arched. Eyes small, obliquely situated, sessile, touching the anterior margin of pronotum, ocelli very small. Antennae 1.38 times as long as the width of head across eyes, relative lengths



of antennal segments 10 : 15 : 8 : 20 : 22. First and second antennal segment linear, third segment slightly widened apically, fourth and fifth segments thickest, fifth spindle-like, first and second segments stramineous, third segment apically darkened, fourth segment black on extreme base, apex brownish, fifth segment blackish, only on extreme base slightly brownish. Head laterally black, bucculae brownish and occupying slightly more than half of the length of lower part of head, wide and tapering anteriorly with a small blunt process; posteriorly lower, with two irregular rows of deep pits. Rostrum projecting beyond posterior trochantera.

Pronotum 2.28 times as broad as long, surface regularly arched, anteriorly as broad as the width of head across eyes, anterolateral margins regularly moderately sinuate, posterolateral pronotal angles subacute, projecting and posterolateral margins of pronotum moderately bisinuate, first small sinuation close behind pronotal angles. Punctuation of pronotum reaching close to anterolateral margins which are without distinct marginal callosities.

Scutellum only 1.16 times broader than long, broadest in the middle of its length, laterally and apically regularly rounded, covering the abdomen to extreme margins of connexivum. Upper part of head, pronotum and scutellum with rather fine, dense, shallow black puncturation. Costal part of hemelytra with sparse irregularly fused black punctures. Connexivum with irregular black punctures, exterior margin of connexival segments with narrow black stripe. Prothorax anteriorly projecting in an oblique flattening. Sternum and venter with large black irregular punctures, which fuse partially. Legs short and stout with short, sparse pubescence, femora with large black spots, fusing into black coloured parts, tibiae below and above with longitudinal black stripe, first and second tarsal segment brownish, third black.

Pygophore when seen from below distinctly narrowed backwards with roundish sides, pygophore opening with posterior margin straight, lateral margins of the opening roundish whilst in nominate subspecies *Hotea curculionoides curculionoides* (H. Sch.) the pygophore less narrowed with rather straightened sides and pygophore opening of trapezoid form. Borders of pygophore opening finely callous. Aeodoeagus short and thick, thecal process big. Parameres small, slightly sinuate, apical part broadened, anteriorly projecting in a point, oposite part blunt with sparse bristles, terminal margin narrowly swollen.

Holotype – male: S. Iran, Abbassi, Issin, 28.4.–6.5.1977 (loc. no. 320) – collected on leaves of *Amoranthus graecizans* in the garden of Agronomical station.

Paratypes – 4 ♀♀ and 4 nymph the same locality as for holotype.

Paratype – 1 ♂: S. Iran Abbassi, Minab, 19.–20.5.1973 (loc. no. 293). Collected by the Czechoslovak-Iranian entomological expedition.

Figs. 1–6: *Hotea (Tylonca) curculionoides occidentalis* ssp. n. Fig. 1: head and pronotum, fig. 2: genital opening seen from above, fig. 3: pygophore seen from below, fig. 4: penis, figs. 5–6: parameres. Figs. 7–9: *Hotea (Tylonca) curculionoides curculionoides* (H. Sch.). Fig. 7: head and pronotum, fig. 8: genital opening seen from above, fig. 9: pygophore from below.

Nominate subspecies *Hotea (Tylonca) curculionoides curculionoides* (Herrich-Schäffer, 1835) is of oriental origin, widely distributed in Indian subcontinent and recorded from China and East province of Afghanistan. The following comparison distinguishes the subspecies:

Hotea (Tylonca) curculionoides occidentalis ssp. n.

The body more robust and rather broader in general appearance. Paraclypeal lobes roundedly narrowed and apically not continuous with clypeus, between clypeus forming a small notch.

Bucculae wide and roundish below, anteriorly tapering, with a small blunt process.

Lateral margins of pronotum regularly sinuate, without callosity. Colour of pronotum and scutellum solid reddish with regular fine dense black puncturation.

Hotea (Tylonca) curculionoides curculionoides (H. Sch.)

The body rather narrower and less robust in general appearance. Paraclypeal lobes rather straight and continuous with apical part of clypeus, without a notch.

Bucculae narrow below with rather straight margin, anteriorly projecting in a short acute point. Lateral margins of pronotum broken-bent with distinct callosity. Colour of pronotum and scutellum unequally brownish or marbly with irregular coarse black puncturation, fusing in parts.

***Odontoscelis dorsalis* (Fabricius, 1803)**

1 ♀ – N. Iran, Central province, Kushke-nosrat, 28.6.1970 (loc. no: 33), on salty vegetation on strand of salt lake basin Daryatche Ghom; 1 ♀ – E. Iran, Kerman province, 33 km. W. of Sabzevaran, on the road Sabzevaran – Esfandaqeh, 6.–7.5.1973 (loc. no. 189), collected on the vegetation in the dry river-bed; 1 ♂ – S. Iran, Kerman province, 43 km. S.S.W. of Hajiabad (loc. no. 193), garden in semi-desert region; 1 ♀ – S. Iran, Abbassi, Issin, 28.4.–6.5.1977 (loc. no. 320), ruderal vegetation near date-palm oasis; 1 ♀ – S. Iran, Abbassi, Bila'i, 40 m. 13.–14.5.1977 (loc. no. 329), savanna formation. Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded from S. Iran, Gahkom, 30 km. S. of Hajiabad (Kiritshenko 1966).

Species of European distribution, widely distributed in Mediterranean, N. Africa, S.W. Asia and Afghanistan.

***Odontoscelis fuliginosa* (Linnaeus, 1761)**

1 ♂ – S. Iran, Lorestan, 10 km. W. of Babazaid between Malavi and Pol-e Dohtar, 880 m., 9.-10.4.1977 (loc. no. 283), grassy slopes of a valley; 1 ♀ – N.E. Iran, Khorassan, Soghand, S. slopes of Kuh-e Binalud, 15 km. N.E. of Nishabur, 1600 – 2300 m. 13.6.1977 (loc. no. 365), mountain vegetation damaged by pasture. Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ – N. Iran, Mazandaran, Nowshahr upon Caspian Sea, 2.–8.7.1960; 1 ♂ – N. Iran, Tehran, Darband valley, 26.5.1961 Klapperich collected.

In Iran previously recorded from Khorassan, Bojnurd and S. Iran, Abbassi, Bandar-e Lengeh and Bandar Abbas (as *O. seminitens* Wagner), Wagner 1968.

Species of Eurosiberian distribution, extending into southern parts of Mediterranean, in S.W. Asia recorded from Anatolia, Israel, Syria, Afghanistan; Caucasus and Middle Asia.

***Odontoscelis byrrhus* Seidenstücker, 1972**

1 ♂ – S.E. Iran, Baluchestan, 16 km. S. of Tange-Sarhe, 61 km. N.N.W. of Nikshahr, 900 m., 10.4.1973 (loc. no. 154), on the ground of stony mountains slopes with sparse vegetation; 1 ♀ – N. Iran, Tehran – Evin, 26.6.–2.7.1973 (loc. no. 260); 1 ♂ – S. Iran, Abbassi, Kuh-e Geno, 600 – 1000 m., 15 km. N.W. of Issin, 27.–28.4.1977 (loc. no. 318), on the ground of stony slopes with shrubby vegetation; 2 ♀♀ – N. Iran, Central province, Alborz, south slopes, Kandavan pass, 2780 m., 4.–9.7.1977 (loc. no. 395), mountains steppe with *Hypericum*, *Stipa*, *Achillea* and *Salvia hypoleuca*. Collected by the Czechoslovak-Iranian expeditions.

From Iran previously not recorded, first record.

Species described from Central Anatolia (type-locality Ali dag near Kayseri), and further recorded from Ukraine, Ciscaucasia, Kazakhstan, Afghanistan, South Siberia, Mongolia and Amur.

***Irochrotus turanicus* Kerzhner, 1976**

1 ♂ – E. Iran, Kerman province, Banu-e Charehar, 1800 – 2000 m., 25 km. N.W. of Sowghan, between Esfandagheh and Sowghan, 8.5.1973 (loc. no. 191), under clumps of *Acantholimon*. Collected by the Czechoslovak-Iranian expedition.

In Iran previously not recorded, first record.

Species recorded so far from Russia, Dagestan, Armenia, Azarbaijan, Middle Asia; S. Kazakhstan and E. Afghanistan.

***Irochrotus majusculus* Kerzhner, 1976**

1 ♂ – N. Iran, Central province, 12 km. N.W. of Hesarak, 5.3.1973 (loc. no. 122); 1 ♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 9.3.1973 (loc. no. 123), at the roads of *Artemisia* as hibernated. Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♀ – N. Iran, Central province, Gharaghadj, 1.10.1947, Abbaspour collected. 1 ♂ and 1 ♀ – N. Iran, Gholhak near Tehran, 1700 m., 9.–23.6.1961 Klapperich collected.

In Iran previously recorded from N. Iran, Karadj, Tehran-Tadrish (Kerzhner 1976).

Recorded from East Transcaucasia (Azarbaijan) and Central Anatolia.

***Holonotellus maculicollis* Horváth, 1895**

1 ♂ and 1 ♀ – S.E. Iran, Baluchestan, 26 km. N.W. of Deh Pabid, 1420 m., between Zahedan and Khash, 28.3.1973 (loc. no. 137); 5 ♀♀ – S.E. Iran, Baluchestan, Kuh-e Taftan, valley Tamandan, 2100 m., 17.–18.4.1973 (loc. no. 167); 7 ♂♂ and 6

♀ ♀ – E. Iran, Kerman province, Banu-e Charehar, 1800 – 2000 m., 25 km. N.W. of Sowghan, between Esfandagah and Sowghan, 8.5.1973 (loc. no. 191). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ and 6 ♀ ♀ – N. Iran, Central province, Varamin, 15.6.1965 Safavi collected.

In Iran previously recorded from N. Iran, Shahrud (Horváth 1895, Oshanin 1906 and 1912, Putshkov 1965), E. Iran, Sistan (Putshkov 1965), Iran, Kaghoratch (Wagner 1968).

Species with restricted distribution in plains of Iran (Shahrud, type-locality) and adjacent areas of Turkomanistan.

***Alphocoris pfeifferi* sp. n.**

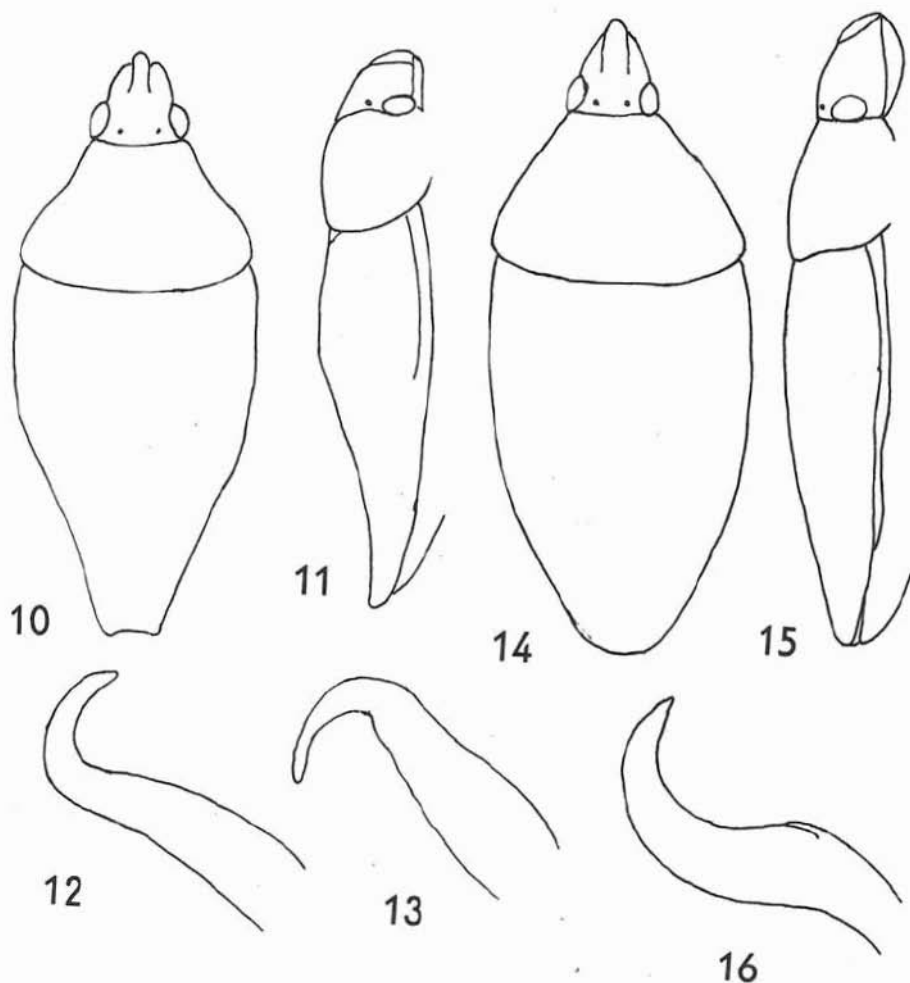
(Figs. 10-16)

Male: Length 6.85 mm, maximum width across abdomen 2.85 mm. Head: length 1.25 mm, width across eyes 1.8 mm. Antennae: I, 0.5 mm, II, 0.5 mm., III, 0.45 mm., IV, 0.65 mm. Pronotum: length 2. mm, width across humeral angles 3.15 mm. Scutellum: length 3.75 mm, maximum width 2.8 mm.

General shape of the body elongate ovate, rather slender, posteriorly conspicuously sinuately narrowed, boat-shaped, 2.17 times as long as broad. General colour of the body pale brownish with black puncturation and short silvery pubescence, legs black.

Head 1.44 times broader across eyes than long, ocular index 3.83, head strongly declivous anteriorly, apically slightly narrowed, clypeus apically broad, obtuse, projecting and distinctly longer than paraclypeal lobes, lateral margins roundish. Head dark brown with black areolae and short silvery tomentum. Eyes rather flat, inserted in the head margin by half of their width, ocelli remote from posterior margin of head. Bucculae occupying the whole length of lower part of head, roundish, black with silvery tomentum. Antennae dark brown, linear, three basal segments apically slightly widened, fourth segment spindle-like, with short pale pubescence. Relative lengths of antennal segments 10 : 10 : 9 : 13. Rostrum reaching between middle and hind acetabula.

Pronotum 1.57 times broader than long, disc of pronotum moderately arched and anteriorly very slightly declivous, lateral margins straight, anteriorly narrowed, humeral angles obtuse, anterior margin straight, posterior margin straight in the middle, disc of pronotum in the middle with transverse, hardly visible impression, surface of pronotum smooth with rather regular plain black puncturation and with irregularly located short dense silvery pubescence; pronotum pale brown, black on lateral angles as well as laterally in front of them. Scutellum 1.33 times as long as broad, covering the whole abdomen, broadest anteriorly and towards the apex sinuately narrowed, subapically caudate and apically truncate and slightly raised; disc of scutellum in anterior half rather plain and apically declivous, bent. Surface of scutellum smooth with plain, rather regular, black puncturation, leaving only the narrow midd-



Figs. 10–13: *Alphocoris pfeifferi* sp. n. (male – holotype). Fig. 10: outline of the body seen from above, fig. 11: outline of the body seen from side, figs. 12–13: parameres. Figs 14–16: *Alphocoris curculionoides* Jak. Fig. 14: outline of the body seen from above, fig. 15: outline of the body seen from side, fig. 16: paramere.

le longitudinal stripe without punctures, with short silvery tomentum, more dense on sides; scutellum pale brown on sides darkened and posteriorly in caudal part black. Sternum and venter pale brown with black puncturation and with very dense silvery adpressed pubescence. Margins of connexival segments straight, posterior angles of respective segments with small black spot. Legs short and stout, femora and tibi-



Photo 1: S.E. Iran, Baluchestan, valley of the river Pish Mant Kowr, near the village Pish Mant-e Kahur, type-locality of *Alphocoris pfeifferi* sp. n. (loc. no. 151). Photograph taken at 3rd April 1973 (L. Hoberlandt).

ae with sparse, silvery, short and adpressed pubescence and tibiae with some fine long bristles, tarsi brownish.

Parameres in basal part nearly straight, basally regularly widened, apical part strongly narrowed and longly hook-shaped.

Female in shape and colouring similar to male.

Etymology: named for Dr. Heinrich Pfeiffer, general-secretary of the Alexander von Humboldt-Stiftung, Bonn.

Holotype – male: S.E. Iran, Baluchestan, valley of the river Pish mant Kowr near the village Pish mant-e Kahur, 55 km. N.N.W. of Tis on the road Tis – Nikshahr,

3.4.1973 (loc. no. 151), in stony semi-desert with typical grassy vegetation (Photo 1). Collected by the Czechoslovak-Iranian expedition. Holotype deposited in the collections of the National Museum (Nat. Hist.), Praha.

Paratype – 1 ♀: S. Iraq, Baghdad, 2.6.1032 V. Kalalová di-Lotti collected.

Alphocoris pfeifferi sp. n. belongs to small species of the genus and is most closely allied to *Alphocoris curculionoides* Jakovlev recorded from Iran also.

The following comparison distinguishes the species:

Alphocoris pfeifferi sp. n.

General shape of the body rather slender, lateral margins of the scutellum even from base distinctly narrowed and in the subapical part sinuately narrowed and forming a very narrow caudate part, terminally truncate.

Lateral angles of pronotum obtuse.

Scutellum when seen from side in the middle slightly higher than on base and posteriorly sinuately declivous and the extreme apex raised.

Puncturation on pronotum and scutellum large with distinct interspaces.

Scutellum and pronotum with short and irregularly dispersed tomentum.

Parameres in basal part nearly straight, basally widened, apical part strongly narrowed and longly hook-shaped.

Alphocoris curculionoides Jak.

General shape of the body elongate ovate, scutellum in basal half with nearly straight and parallel margins and then gradually narrowed to the apex with nearly straight borders and forming rather broad roundish terminal part.

Lateral margins of pronotum subacute.

Scutellum when seen from side anteriorly of equal elevation and then regularly declivous till the apex.

Puncturation on pronotum and scutellum fine and dense.

Scutellum and pronotum with more distinct and dense tomentum.

Parameres regularly distinctly sinuate, nearly of equal width, apically shortly pointed.

***Alphocoris curculionoides* Jakovlev, 1877**

3 ♂♂ and 1 ♀ – S.E. Iran, Baluchestan, Damen, 21.4.1969, Hashemi and Pazuki collected.

Further material examined: 1 ♂ – Turkomanistan, Shikh-Bedyr, Kara-Kala, Kopet Dag, 22.6.1956 Medvedev collected (Zoological Institute, Academy of Sciences, St. Petersburg).

In Iran previously recorded from North Iran, Shahkuh, type-locality (Jakovlev 1877, Oshanin 1906 and 1912, Putshkov 1965); S.E. Iran, Baluchestan, Bampur (Putshkov 1965); Turkomanistan, Kopet Dag (Putshkov 1965 and Linnavuori 1984) and Afghanistan, vicinity of Kabul (Hoberlandt 1984).

Species of Eremian distribution with eastern extension.

***Alphocoris halophilus* Linnavuori, 1984**

1 ♀ – S. Iran, Kerman province, 33 km. S. of Sabzevaran, 17.5.1977 (loc. no. 335).
Collected by the Czechoslovak-Iranian expedition.

From Iran previously not recorded, first record.

Hitherto recorded from N. Iraq (Linnavuori 1984), Eremian.

***Odontotarsus robustus* Jakovlev, 1883**

1 ♀ – N. Iran, Gorgan province, Robate-Ghareh Bil, Wildlife Park, 1000 m., 30.7.1970 (loc. no. 78). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♀ – S. Iran, Fars, Djahrom, 16.7.1949 Mirzayans collected.

In Iran previously recorded from N. Iran, Central province, Karadj (Lindberg 1938); W. Iran, Hamadan province, Dolatabad; E. Iran, Sistan, Bam (Brown 1966); N. Iran, Mazandaran, Bastam (Wagner 1968); C. Iran, Esfahan, Treshan (Hoberlandt 1959 as *O. robustus* f. *flavus* Jakovlev).

Species of Mediterranean origin eastwards penetrating as far as Israel, Turkey, Syria, Transcaucasia, Turkomanistan, South Kirghizia and Iran.

***Odontotarsus purpureolineatus* (Rossi, 1790)**

1 ♂ – N.W. Iran, Azarbaidjan, Sufian, 30 km. W. of Tabriz, 20.–21.6.1970 (loc. no. 27); 1 ♂ and 1 ♀ – W. Iran, Lorestan, East Zagros, Marg-e Malek, 30 km. of Kuhrang, 3200 m., 1.7.1970 (loc. no. 39); 2 ♂♂ and 5 ♀♀ – N. Iran, Tehran-Evin, south slopes of Alborz, 1700 – 2000 m., 9.–10.3.1973 (loc. no. 123); 1 ♂ and 1 ♀ – N. Iran, Tehran-Evin, 2.–4.4.1977 (loc. no. 276); 1 ♂ – N.E. Iran, Khorassan, Assadli, 30 km. S. of Bojnurd, 1970 m., 17.–18.6.1977 (loc. no. 374), high steppe region; 2 ♂♂ and 5 ♀♀ N. Iran Central province, 8 km. N.E. of Ziaran, 2400 m., 10.–16.7.1977 (loc. no. 400), mountain steppe. Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ N. Iran, Central province Varamin, 23.4.1948, Mirzayans collected; 2 ♂♂ – N. Iran, Gilan, Ghorogh, 29.5. and 10.10.1948 Eglidi and Varzi collected; 1 ♂ – W. Iran, Kordestan, Kermanshah, Sahneh, 2.8.1950 Makoui collected; 1 ♀ – S. Iran, Abbassi, Bandar-e danguh, 2.4.1950, Fassihi collected; 1 ♀ – N.W. Iran, Azarbaidjan, Rezaiyeh, 29.8.1950, Makoui collected; 1 ♀ – W. Iran, Kordestan, Hamadan, 9.7.1968, Abai collected; 2 ♂♂ and 2 ♀♀ – N. Iran, Central province, Karadj, 1200 m., 23.2.1960; 2 ♀♀ and 2 ♀♀ – N. Iran, Gholhak near Tehran, 1400 m., 6.8.1961, Klapperich collected.

In Iran previously collected from Gorgan, Shahrud-Shahiasane (Kiritshenko 1949); N. Iran, Central province, Gharaghadj (Brown 1966); N. Iran, Mazandaran, Firuzabad (Chalus) (Wagner 1968); Oshanin 1910 and 1912.

Species of wide Mediterranean distribution ranging far into Central Europe as far as Germany and Czechoslovakia, in S.W. Asia recorded from Turkey, Israel, Syria and Iran; Transcaucasia, Caucasia and Middle Asia.

***Odontotarsus impictus* Jakovlev, 1885**

2 ♀♀ – W. Iran, Lorestan, East Zagros, Marg-e Malek, 30 km. N. of Kuhrang, 3200 m., 1.7.1970 (loc. no. 39), high mountain pastures; 1 ♀ – N. Iran, Mazandaran, Alborz, Gazanak (Ask), 1400 m., in the valley of Haraz Chay, 20.–21.7.1970 (loc. no. 63); 3 ♂♂ and 4 ♀♀ – N. Iran, Tehran-Evin, 16.3.1973 (loc. no. 123), 1 ♂ – S. E. Iran, Kerman province, Mohammad-abad, 35 km. N.N.W. of Sabzevaran, 1600 m., on the road between Deh Bakri and Sabzevaran, 3.–5.5.1973 (loc. no. 187), dry riverbed in the semi-desert region with sparse xerophilous vegetation; 1 ♂ and 1 ♀ – E. Iran, Kerman province, 33 km. W. of Sabzevaran, 1100 m., on the road Sabzevaran – Esfandagheh, 6.–7.5.1973 (loc. no. 189); 1 ♀ – S. Iran, Fars, Mian Jangal, 30.5.–5.6.1973 (loc. no. 232), steppe in blossom; 1 ♂ – S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.–10.6.1973 (loc. no. 229); 2 ♂♂ – S. Iran, Fars, E. Zagros, 28 km. N. of Masiri, 1650 m., 12.6.1973 (loc. no. 236); 1 ♂ and 1 ♀ – S. Iran, Fars, E. Zagros, pass 48 km. N. of Masiri, 2230 m., on the road Masiri – Yassuj, 12.6.1973 (loc. no. 238), on mountain steppe vegetation; 1 ♀ – S. Iran, Fars, E. Zagros, mountain pass 27 km. E. of Yassuj and 10 km N.W. of Karun, 2650 m., 16.6.1973 (loc. no. 244), mountain stony steppe; 1 ♂ – S. Iran, Fars, E. Zagros, 29 km. E. of Yassuj, 2300 m., 16.–17.6.1973 (loc. no. 245); 1 ♀ – S. Iran, Fars, 13 km. N.W. of Qaderabad, pass 2120 m., on the road Shiraz – Esfahan (loc. no. 253), steppe region; 1 ♂ – C. Iran, Fars, Abadeh, 21.–22.6.1973 (loc. no. 254); 1 ♂ and 1 ♀ – S. Iran, Abbassi, Bagh-e Tang, 6 km. W. of Geno, 410 m., 50 km. N. of Bandar Abbas, 3.–9.5.1977 (loc. no. 323), savanna formation; 1 ♂ and 2 ♀♀ – S. Iran, Kerman province, Chashmeh-ye Sargaz, 50 km. W. of Sabzevaran, 1650 m., on the road Sabzevaran – Esfandagheh, 20.–21.5.1977 (loc. no. 339); 1 ♀ – N. Iran, Central province, Alborz, Kandavan pass, south slope, 2780 m., 4.–9.7.1977 (loc. no. 395); 1 ♀ – N. Iran, Central province, Alborz, 8 km. N.E. of Ziarn, 2400 m., 10.–16.7.1977 (loc. no. 400), mountain steppe. Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 3 ♀♀ – N. Iran, Central province, Varamin, 23.4.1945; 1 ♀ – N. Iran, Gorgan, 23.7.1947; S. Iran, Fars, Shiraz, 15.11.1947; 1 ♂ and 1 ♀ – S. Iran, Fars, Yassuj, Mirzayans collected; 1 ♀ – C. Iran, Central province, Arak, Ab-barak, 3.11.1949 Nabizadeh collected.

In Iran previously recorded from N. Iran, Central province, Varamin, Gharaghadj; C. Iran, Arak, Ab-Barek (as *O. impictus* f. *mendax* Horváth, Hoberlandt 1954, Brown 1966); S.E. Iran, Baluchestan, Iranshahr (Seidenstücker 1957).

Species of Irano-Turanian distribution, recorded from Middle Asia, Kazakhstan, Anatolia, Iraq, Transcaucasia, Iran, Afghanistan.

***Odontotarsus rufescens* Fieber, 1861**

1 ♂ – N. Iran, Central province, Aliabad, 28.6.1970 (loc. no. 32); 1 ♀ – S. Iran, Fars, 13 km. N.W. of Quaderabad, pass 2.130 m., on the road Shiraz – Esfahan, 21.6.1973 (loc. no. 253); 1 ♀ – N. Iran, Central province, Alborz, 8 km. N.E. of Ziarn, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

In Iran previously not recorded, first record.

Species of Ponto-mediterranean distribution, in the Near East recorded from Cyprus, Egypt, Israel, Syria, N. Iraq; Turkomanistan.

***Odontotarsus angustatus* Jakovlev, 1883**

1 ♂ and 1 ♀ – N. Iran, Tehran-Evin, Alborz, 1700 – 2000 m., 9.–10.3.1973 (loc. no. 123); 1 ♀ – E. Iran, Kerman province, Rafsandjan, 26.–28.4.1973 (loc. no. 181); 1 ♀ – E. Iran, Kerman province, Mohammad-abad, 35 km. N.N.W. of Sabzevaran, 1600 m., on the road between Deh Bakri and Sabzevaran, 3.–5.5.1973 (loc. no. 187); 2 ♀♀ – S. Iran, Fars, Mian Jangal, 30.5.–5.6.1973 (loc. no. 223); 1 ♀ – S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.–10.6.1973 (loc. no. 229), rocky steppe; 2 ♀♀ – S. Iran, Fars, 28 km. N. of Masiri, 1650 m., 12.6.1973 (loc. no. 236); 1 ♀ – S. Iran, Fars, E. Zagros, pass on the road Masiri – Yassuj, 2230 m., 12.6.1973 (loc. no. 238), mountain stony slopes with steppe vegetation; 1 ♀ – S. Iran, Fars, 13 km. N.W. of Qaderabad, pass in the altitude of 2120 m., on the road Shiraz – Esfahan, 21.6.1973 (loc. no. 253); 1 ♀ – S. Iran, Bushehr province, Golshan valley, vicinity of Golshan, 24.4.1977 (loc. no. 310), vegetation of tropical savanna; 1 ♀ – N.E. Iran, Khorassan, Kuh-e Hezar Masjed, 25 km. S.W. of Kalat-e naderi, 1600 m., 11.–12.6.1977 (loc. no. 363), mountain steppe. Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded from N. Iran, Karadj (Lindberg 1938).

Species of Irano-Turanian distribution, recorded from Turkomanistan, Tadzhikistan, Uzbekistan, Kirghizia and Kazakhstan; Iraq.

***Odontotarsus plicatulus* Horváth, 1906**

1 ♂ and 1 ♀ – S. Iran, Fars, 30 km. S. of Kazerun, 1300 m., 8.–10.6.1973 (loc. no. 229), rocky steppe; 1 ♀ – S. Iran, Fars, Tang-e Chogan-e Olia, ruins of Bishapur, 1000 m., 10.6.1973 (loc. no. 233); 3 ♀♀ – N. Iran, Central province, Ghazvin, 4.7.1973 (loc. no. 263); 1 ♂ – S. Iran, Kerman province, Ferdows-e Esfandagheh, 21.5.1977 (loc. no., 340); 1 ♂ – N.W. Iran, Azarbaidjan, 20 km. N. of Shahpur, 27.7.1977 (loc. no. 405). Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded from N. Iran, Central province, Varamin (Hoberlandt 1954).

Species recorded from Anatolia (type locality Yilanli dag near Kayseri), Syria, Israel, Transcaucasia and Iran.

***Odontotarsus armiger* Kiritshenko, 1914**

1 ♂ – N. Iran, Central province, Gharaghadj, 12.4.1941; 3 ♂♂ and 1 ♀ – N. Iran, Central province, Varamin, Khybaran, 2.3.1947 Abbas Pour and Mirzayans collected; 1 ♀ – N. Iran, Ghorogh, 4.10.1948 Varszi collected.

In Iran previously recorded from Tehran (Wagner 1968).

Recorded from Uzbekistan, Tajikistan, Turkomanistan, Kazakhstan, Afghanistan (Kandahar) and Iran, Iraq.

***Ellipsocoris trilineatus* Mayr, 1864**

10 ♂♂ and 10 ♀♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 9.–10. and 16.3.1973 (loc. no. 123), south slopes of Alborz with rocky steppe formation; 1 ♂ – N.W. Iran, Azarbaijan, 20 km. S.E. of Marand, 5.–6.7.1973 (loc. no. 266). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from N. Iran, Tehran, Khar; Central province, Arak, Ab-Barik (Hoberlandt 1954); E. Iran, Kerman province, Dowlatabad; S. Iran, Fars, Dasht-e Arjen 60 km. W. of Shiraz (Wagner 1968); W. Iran, Kordestan, Dolatabad and Yengedjeh near Hamadan (Brown 1966).

Recorded from Armenia (Erevan), Anatolia (Ekbaz), Syria, Lebanon, Israel and Iran.

***Phimodera* sp.**

1 ♀ – N. Iran, Central province, Alborz, Kuhhayeh Tochal. 3500 m., 29.–30.6.1973 (loc. no. 261). Collected by the Czechoslovak-Iranian expedition.

The female specimen of *Phimodera* from high altitude of Alborz seems to be allied to *Phimodera laevilinea* Stal and *P. flori* Fieber, in regard to the second one, however it is not possible, without a male specimen, to fix the taxon.

***Ceratocranum caucasicum* (Jakovlev, 1879)**

1 ♀ – N.W. Iran, Azarbaijan, 25 km S.S.E. of Mianeh, 4.3.1973 (loc. no. 120). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from N. Iran. Shahkuh (Jakovlev, 1880, Oshanin 1906 and 1912) and W. Iran, Kordestan (Putshkov 1965).

Endemic species restricted to mountain regions of Armenia, N. and W. Iran.

***Promecocoris testaceus* (Reuter, 1900)**

1 ♀ – N. Iran, Central province, Karagadj, 15.9.1950, Ahur collected.

From Iran previously not recorded, first record.

Species of Turano-Anatolian distribution, recorded from Kazakhstan, Kirghizia, Uzbekistan, Tajikistan and Anatolia (Seidenstücker 1957).

***Promecocoris pictus* Jakovlev, 1887**

1 ♀ – N. Iran, Gorgan province, Hutton, 5.5.1956; 1 ♀ – N. Iran, Gorgan province, Moraveh-Tapeh, 20.6.1956, Safavi collected.

In Iran previously recorded from N. Iran, Central province, Tehran, Karagadj (Wagner 1968); E.S. Brown 1966 recorded from the same locality only *Promecocoris* sp.; Putshkov 1965.

Known from Armenia, Turkomanistan, Tajikistan, Uzbekistan, Kirghizia and Kazakhstan as far as South Ural.

***Psacasta (Psacasta) exanthematica exanthematica* (Scopoli, 1763)**

1 ♀ – N.W. Iran, Azarbaijan, 26 km. S.S.E. of Khoy on the road Khoy – Rezaiyeh,

6.7.1973 (loc. no. 267). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from N. Iran, Central province, Varamin (Hoberlandt 1954); N. Iran, Gorgan province, Golestan forest (Wagner 1968 as *P. argillacea* Horváth).

Species of Holomediterranean distribution, penetrating northwards into steppe zone of Central Europe, in the Middle East recorded from Cyprus, Egypt, Israel, Anatolia; in Middle Asia recorded from Uzbekistan, Tajikistan, Turkomanistan; Kazakhstan, Kirghizia.

***Psacasta (Psacasta) pallida* Reuter, 1902**

1 ♀ – S. Iran, Abbassi, Golshan valley, vicinity of Golshan, 24.4.1977 (loc. no. 310). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ – N. Iran, Central province, Manamak, 13.8.1948 Aellen collected.

From Iran previously not recorded, first record.

Species of Eremian distribution, recorded from Anatolia and Israel.

***Eurygaster integriceps* Puton, 1881**

1 ♀ – N.W. Iran, Azarbaidjan, Maku, 19.–20.6.1970 (loc. no. 24); 1 ♀ – N. Iran, Mazandaran, Alborz, Gazanak (Ask), 1400 m., in the valley of the river Hazar, 20.–21.7.1970 (loc. no. 63); 1 ♂ – N. Iran, Mazandaran, Minudasht 27.7.1970 (loc. no. 76); 1 ♀ – N. Iran, Gorgan province, Robate-Ghareh Bil, Wildlife Park, 100 m., 30.7.1970 (loc. no. 78); 3 ♂♂ and 6 ♀♀ – N. Iran, Tehran-Evin, Alborz, 1700 – 2000 m., 9.–10.3.1973 (loc. no. 123); 1 ♂ – E. Iran, Kerman province, 8 km. W. of Bam, 24.–25.4.1973 (loc. no. 177); 1 ♀ – E. Iran, Kerman province, Mohammad-abad 35 km. N.N.W. of Sabzevaran, 1600 m., on the road between Deh Bakri and Sabzevaran, 3.–5.5.1973 (loc. no. 187); 1 ♂ and 2 ♀♀ – S. Iran, Fars, E. Zagros, 29 km. E. of Yassuj and 10 km N.W. of Karun, 2300 m., 16.–17.6.1973 (loc. no. 258); 1 ♂ and 1 ♀ – N.W. Iran, Azarbaidjan, 20 km. S.E. of Marand, 5.–6.7.1973 (loc. no. 266); 2 ♂♂ and 6 ♀♀ – N. Iran, Tehran-Evin, Alborz, 1700 – 2000 m., 2.–7.4.1977 (loc. no. 276). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ and 1 ♀ – S.E. Iran, Baluchestan, Iranshahr, 25.2.1949, 1 ♂ – 23.–30.3.1949, 1 ♂ – 2.4.1949, 1 ♀ – 17.3.1949, 2 ♀♀ – 18.3.1949, 1 ♀ – 2.4.1949, Scharif collected; 2 ♂♂ and 1 ♀ – N. Iran, Alborz, Gara Aghadeh, 2200 m., 6.3.1961, 1 ♂ and 2 ♀ – N. Iran, Alborz, Gholhak near Tehran, 1400 m., 1 ♀ – N. Iran, Alborz, valley of Wallen (stream), 1700 m., 13.–20.10.1961, Klapperich collected.

In Iran recorded from many localities: Oshanin 1906 and 1912; N. Iran, Karadj (Lindberg 1938); N. Iran, Shahrud, Bedesht, Gorgan (Kiritshenko 1949); S.E. Iran, Baluchestan, Sarbaz (Hoberlandt 1954); Baluchestan, Iranshahr (Seidenstücker 1957); W. Iran, Kordestan, Akinlou, (Wagner 1961); E. Iran, Kerman province, Anbar-abad (Seidenstücker 1958); N. Iran, Central province, Gharaghadj, Saveh mts., S. Iran, Esfahan, Shiraz, Darab, Kerman, Bam, Rafsandjan, Kermanshah,

Shahbad, Maruvan; Azarbaidjan, Ardebil (Brown 1962); N. Iran, Tehran (Kiritshenko 1966); Varamin (Wagner 1968); Brown, Mesude, Eralp 1962 listed this species from further localities: Ardebil, Nir, Pilehsavar, Moghan, Mianeh, Seir, Zanjan, Khorramdarreh, Arak, Gonbad, Semnan, Kashan, Gooch Sultan mountain, Bashmaq near Marrivan, Ghazvin, Karadj, Tehran, Gorogh, Ghara-agadj, Varamin, Bahbam Soukته, Karimanbad, Hyderabad, Bojnurd, Birjand, Meckran, Kermanshah, Ghasr-e-shirin, Ilam, Shahabad, Hamadan, Dolatabad, Khuzistan, Jusdan, Esfahan, Abarghu, Arsinjan, Shiraz, Kazerun, Firuzabad, Mamassani, Fassa, Darab, Fatabad near Darab, Khafrak, Nostratabad, Rafsanjan, Kerman, Ram, Jamal Bariz, Suboneh, Para-ardineh, Kotabad, Beneh Zahreh, Beneh Balimah, Owerssnimeh, Jiroft, Bandar Abbas, Jalgh, Sistan, Bampur, Zabol, Sarbaz.

Species of Pontomediterranean distribution, registered as an injurious insect with calamitous outbreaks widely distributed in the whole of S.W. Asia and Middle Asia, recorded from Anatolia, Caucasus, Syria, Israel, Tajikistan, Transalai and Afghanistan.

There are further published records of Scutelleridae from Iran:

Irochrotus lanatus (Pallas, 1773) – N. Iran, Central province, Gharaghadj (Hoberlandt 1954); S.E. Iran, Kerman province, Darab, Kartakan, 2050 m. (Brown 1966); N. Iran, Central province, Sahkuh-point (Kerzhner 1976). Species of Mediterranean origin, penetrating far into Middle Asia.

Odontotarsus crassus Kiritshenko, 1966 – N. Iran, Central province, 40 km N. of Tehran (Kiritshenko 1966). Known from Iran only.

Odontotarsus freyi Puton, 1882 – N. Iran, Central province, Varamin, Gharaghadj, 2000 m. (Wagner 1968). Species of East-Mediterranean distribution; further recorded from Egypt, Greece, Israel, Syria and Anatolia (Ekbaz).

Odontotarsus furvus Kiritshenko, 1926 – N. Iran, Mazandaran, Shahi (Hoberlandt 1959). Known from mountainous Middle Asia.

Odontotarsus oculatus Horváth, 1881 – S. Iran, Fars, Yassuj, Tale-Khossravi (Hoberlandt 1954). Species occurring in Syria, Anatolia and Iran.

Odontotarsiellus esfandarii Hoberlandt, 1954 – S. Iran, Shiraz, Iran, Neiriz, Halilabad; E. Iran, Sistan, Polgui (Hoberlandt 1954). Known from Iran only.

Ellipsocoris tamerlani Kiritshenko, 1913 – N. Iran, Central province, Varamin (Hoberlandt 1954). Species occurring in Middle Asia and Afghanistan.

Phimodera fumosa Fieber, 1863 – Iran, Girda; "Meshikinsk Magal," (Kerzhner 1976); N.W. Iran, Gilan (Wagner 1961).

Melanodema carbonarium Jakovlev, 1880 – N. Iran, Shaku (Jakovlev 1880, Oshanin 1906, 1912, Putshkov 1965). Species of Irano-Turanian distribution. Further recorded from Turkomanistan, Tajikistan, Uzbekistan and Kirghizia.

Polyphyma scrobiculata Jakovlev, 1877 – N. Iran, Shahrud (Jakovlev 1877, Oshanin 1906 and 1912 and Putshkov 1965). Species of Irano-Turanian distribution – Turkomanistan.

Periphyma batesoni Jakovlev, 1890 – N. Iran, Shahrud (Kiritshenko 1938 as *Periphyma crassa* Kiritshenko; Putshkov 1965). Species of Caspian distribution. Recorded from steppe between Kazalinsk and Karakalinsk and in the region of lake Koskul and Nachitchevan (as *P. crassa* Kiritshenko, 1938).

Psacasta (*Psacasta*) *exanthematica herculeana* Horváth, 1891 – N.W. Iran, Azarbaidjan, lake Reazaiyeh (Kiritshenko 1938 and Putshkov 1965). Species of Pontomediterranean distribution, recorded from Transcaucasia, Iran, Anatolia and from the coastal region of Black Sea.

Xerobia verruculosa Stal, 1873 – C. Iran, 50 km. N. of Ghom (Wagner 1968). Eremian species, known from Syria and Iran.

Eurygaster maura (Linnaeus, 1758) – N.W. Iran, Azarbaidjan, Bazargan, Maku, Khoy, Marand, Tabriz; N. Iran, Gorgan, Gonbad (Brown and Eralp 1962). Species of Euro-Siberian distribution.

Eurygaster testudinaria (Geoffroy, 1785) – N.W. Iran, Azarbaidjan, Tabris (Brown and Eralp 1962). Species of Eurosiberian distribution.

PENTATOMIDAE

DINIDORINAE

Coridius viduatus (Fabricius, 1794)

1 ♂ – S. Iran, Abbassi, Sanderk, S. of Bashagerd, 220 m., 12.–13.5.1977 (loc. no. 327). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ – S. Iran, Baluchestan, Sarkissian, 12.9.1950, Sarkissian collected.

In Iran previously recorded from S.E. Iran, Baluchestan, Sarbaz (Hoberlandt 1954).

Species of Ethiopian origin, recorded also from Anatolia, Iran, Israel, Syria and Arabia.

PHYLLOCEPHALINAE

The subfamily Phyllocephalinae had been worked on separately by Hoberlandt and Safavi 1983 and the following species had been listed from Iran:

Chalcopis mirzayansi Hoberlandt and Safavi, 1983

Schyzops aegyptiaca aegyptiaca (Lefebvre, 1831)

Schyzops pakistanica Ghauri, 1969

Phyllocephala negus (Distant, 1900), as *Phyllocephala albicornis* Horváth, 1911

Gellia nigripennis (Dallas, 1851).

PODOPINAE

Tarisa elevata Reuter, 1901

1 ♂ – N. Iran, Mazandaran, Alborz, Damavand, 2400 m., 21.7.1970 (loc. no. 64); 1 ♀ – S.E. Iran, Baluchestan, 30 km. N. of Bampur, on the road between Bampur and Bazman, 12.–13.4.1973 (loc. no. 159); 1 ♀ – E. Iran, Kerman province, Rafsanjan,

26.-28.4.1973 (loc. no. 181); 2 ♂♂ and 1 ♀ - E. Iran, Kerman province, 13 km. W.S.W. of Kerman, 29.4.1973 (loc. no. 182); 3 ♀♀ - S. Iran, Abbassi, Shahvar, 12 km. N.W. of Minab, 18.-19.5.1973 (loc. no. 202); 2 ♂♂ and 2 ♀♀ - S. Iran, Kerman province, 30 km. S.E. of Ghotbabad on the road Hajiabad - Bandar Abbas, 27.5.1973 (loc. no. 214); 1 ♀ - S. Iran, Fars, 13. km. N.W. of Qaderabad, pass in the altitude 2120 m. on the road Shiraz and Esfahan, 21.6.1973 (loc. no. 253); 1 ♀ - S. Iran, Abbassi, Golshan valley in the vicinity of Golshan, 24.4.1977 (loc. no. 310); 1 ♂ - E. Iran, Khorassan, 25 km. N.N.W. of Shusf, 9.6.1977 (loc. no. 359). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 3 ♂♂ - N. Iran, Central province, Alborz, Abu Ask, 2000 m., 12.8.1960, Klapperich collected.

In Iran previously recorded from N. Iran, Tehran (Oshanin 1906, 1912 and Reuter 1900) as *Tarisa elevata* var. *luridula* Reuter.

***Tarisa subspinosa subspinosa* (Germar, 1839)**

1 ♂ and 7 ♀♀ - N.W. Iran, Azarbaidjan, Zonus Chay, 66 km W. of Marand, 20.6.1970 (loc. no. 25); 1 ♀ - N. Iran, Central province, Robate-Tork, 29.6.1970 (loc. no. 34); 1 ♂ and 1 ♀ - N. Iran, Mazandaran, Alborz, Gazanak (Ask), 1400 m., in the valley of the river Haraz, 20.-21.7.1970 (loc. no. 63); 2 ♀♀ - N. Iran, Central province, Alborz, Kandavan pass, valley N. of tunnel, 2545 m., 11.8.1970 (loc. no. 86); 2 ♂♂ and 5 ♀♀ - N.W. Iran, Azarbaidjan, 20 km. S.W. of Marand, 17.8.1970 (loc. no. 97); 2 ♂♂ and 2 ♀♀ - N. Iran, Azarbaidjan, 21 km. E. of Marand, 18.8.1970 (loc. no. 98); 1 ♂ and 1 ♀ - S.E. Iran, Baluchestan, Tis, 6.-7.4.1973 (loc. no. 150); 1 ♀ - S.E. Iran, Baluchestan, Deh Pabid on the road between Khash and Zahedan, 21.4.1973 (loc. no. 172); 2 ♀♀ - E. Iran, Sistan, Kahurak, 23.-24.4.1973 (loc. no. 172); 2 ♀♀ - E. Iran, Sistan, Kahurak, 23.-24.4.1973 and 2.-3.6.1977 (loc. no. 176 and 355); 1 ♀ - E. Iran, Kerman province, Rafsanjan, 26.-28.4.1973 (loc. no. 181); 2 ♂♂ and 2 ♀♀ - E. Iran, Kerman province, Mohammad-abad, 35 km. N.N.W. of Sabzevaran, 1600 m., on the road between Deh Bakri and Sabzevaran, 3.-5.5.1973 (loc. no. 187); 6 ♂♂ and 1 ♀ - E. Iran, Kerman province, 33 km. W. of Sabzevaran, 1100 m. on the road Sabzevaran - Esfandagheh, 6.-7.5.1973 (loc. no. 189); 1 ♀ - S. Iran, Kerman province, 8 km. S. of Hajiabad, 9.5.1973 (loc. no. 193), semi-desert; 1 ♀ - S. Iran, Kerman province, 55 km. S. of Hajiabad or 25 km. N.W. of Gotbabad, west slope of Kuh-e Surmeh, 2000 m., 10.5.1973 (loc. no. 195), rocky limestone arid slopes of mountains with sparse xerophilous vegetation; 1 ♂ - S. Iran, Abbassi, Issin, south slopes of Geno mountains, 45 km. N.W. of Bandar Abbas, 11.-15.5.1973 (loc. no. 198); 1 ♀ - S. Iran, Kerman province, Gardaneh-e Besan, 15 km. N.W. of Furk, 1000 - 1400 m., 28.-29.5.1973 (loc. no. 218); 1 ♂ - S. Iran, Fars, Mian Jangal, 30.5.-5.6.1973 (loc. no. 223); 1 ♂ - S. Iran, Fars, 15 km. N.W. of Mian Jangal, 5.6.1973 (loc. no. 224); 1 ♀ - S. Iran, Fars, Kamalabad, 19 km. W. of Sarvestan, 5.6.1973 (loc. no. 225), salty semi-desert; 1 ♂ - S.E. Iran, Kerman province, Ghanat-e Marvan, 3000 - 3100 m., south slopes of Kuh-e Lalehsar, 24.5.1977 (loc. no. 346); 1

♂ – E. Iran, Khorassan, 17 km. N. of Nehbandan or 15 km. S. of Shusf, 1250 m., 5.–6.6.1977 (loc. no. 358). Collected by the Czechoslovak-Iranian expeditions. Localities nos 172, 176, 181, 218, 224 and 225 were the typical salty formations.

In Iran previously recorded by Reuter 1900, Oshanin 1906 and 1912 as *Tarisa fraudatrix* var. *rosea* Horváth and from N. Iran, Cherabad near Shahrud by Kiritshenko 1949 and from W. Iran, Azarbaijan, Sherbian by Hoberlandt 1954 as *Tarisa fraudatrix* Horváth.

Species of Eremian distribution with eastern range, Egypt, Syria, Iraq, Israel, Kuwait, Iran, Anatolia and Middle Asia. *Tarisa subspinoso marismortui* Linnavuori, 1960 occurs only on the shores of Dead Sea, Israel and Afghanistan.

Ventocoris (Ventocoris) advenus (Horváth, 1896)

1 ♂ – N.E. Iran, Khorassan, Kuh-e hezar Masjed, 25 km. S.W. of Kalat-e Naderi, 1600 m., 11.–12.6.1977 (loc. no. 363), mountain steppe. Collected by the Czechoslovak-Iranian expedition.

Not previously recorded from Iran, first record.

Species of Irano-Turanian distribution, widely distributed in Middle Asia.

Ventocoris (Ventocoris) fischeri Herrich-Schäffer, 1851

1 ♂ and 1 ♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 9.–10.3.1973 (loc. no. 123). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from E. Iran, Kerman (Hoberlandt 1954); W. Iran, Kordestan, Akinlou (Wagner 1961); N. Iran, Central province, Gharaghadj near Varamin (Brown 1966); N. Iran, Gorgan province, Golestan forest (Wagner 1968).

Species of East-Mediterranean distribution, recorded also from Sudan, in the Middle East recorded from Egypt, Syria, Israel, Turkey, Iran; Caucasus, Transcaucasia and Afghanistan; in Middle Asia recorded from Turkomanistan, Uzbekistan, Tajikistan and Kazakhstan.

Ventocoris (Selenodera) ceriferus (Horváth, 1889)

1 ♂ – N. Iran, Tehran-Evin, 1700 – 2000 m., 9.–10.3.1973 (loc. no. 123); 1 ♂ – C. Iran, Esfahan province, 6 km. N.W. of Kermanshahan, between Yazd and Rafsanjan, 1610 m., 21.3.1973 (loc. no. 130), gravel semi-desert with growth of spring ephemeral plants; 1 ♀ – N.W. Iran, Azarbaijan, 26 km. S.S.E. of Khoy on the road Khoy – Rezaieyeh, 6.7.1973 (loc. no. 267), stony steppe. Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ – N.W. Iran, Azarbaijan, Marand, 30.11.1976 Eirazadeh collected.

Not previously recorded from Iran, first record.

Species of Irano-Turanian distribution, recorded from Turkomanistan, Tajikistan, Uzbekistan, South Kazakhstan and Afghanistan.

Ventocoris (Selenodera) oshanini (Horváth, 1889)

1 ♂ – S. Iran, Fars, 48 km. N. of Masiri, pass in E. Zagros on the road Masiri – Yassuj, 2230 m., 12.6.1973 (loc. no. 238). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from N. Iran, Shahrud (Putshkov 1965).

Species of Irano-Turanian distribution, recorded from N. Iran, Uzbekistan and Tajikistan.

Ventocoris (Selenodera) modestus (Jakovlev, 1880)

1 ♀ – N.E. Iran, Khorassan, Soghand, S. slope of Kuh-e Binalud, 15 km. N.E. of Nishabur, 1800 – 2300 m., 13.6.1977 (loc. no. 365). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from N. Iran, Shahrud (Jakovlev 1889, Horváth 1889, Oshanin 1906 and 1912 and Putshkov 1965). In addition to Iran this species is recorded from Morocco (Vidal 1949) and Israel (Linnavuori 1961).

Ventocoris (Ventocoris) putoni (Jakovlev, 1877)

2 ♂♂ – N.E. Iran, Khorassan, Soghand, S. slope of Kuh-e Binalud, 15 km. N.E. of Nishabur, 1800 – 2300 m., 13.6.1977 (loc. no. 365). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from N. Iran, Shahrud (Jakovlev 1877, Horváth 1889; Reuter 1881 as *Trigonosoma stali* Reuter; Putshkov 1965; Oshanin 1906 and 1912, Reuter 1913); N. Iran, Central province, Gharaghadj near Varamin; W. Iran, Kordestan, Yongedjeh near Hamadan; E. Iran, Kerman province, Rafsanjan (Brown 1966).

Species of Endemic distribution in Iran.

Leprosoma inconspicuum Baerensprung, 1859

1 ♂ and 1 ♀ – N. Iran, Central province, Alborz, Damavand east slope of the mountain, 2500 m., 21.7.1970 (loc. no. 65), high steppe with *Astragalus* and *Acantholimon*; 1 ♀ – N. Iran, Central province, Alborz, Damavand, Lajran (Ab-Garm), 2400 m., 23.7.1970 (loc. no. 68); 1 ♂ – N. Iran, Tehran-Evin, 1700 – 2000 m., 9.–10.3.1973 (loc. no. 123). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ – S.E. Iran, Baluchestan, Bampur, 8.5.1950, Sarkissian collected; 3 ♀♀ – N. Iran, Central province, Gharaghadj, 20.4. and 15.8.1950 Nour collected; 1 ♀ – N. Iran, Central province, Varamin, 8.5.1965 Safavi collected.

In Iran previously recorded from W. Iran, Kordestan, Dolatabad near Hamadan (Brown 1966); N. Iran, Central province, Gharaghadj; E. Iran, Kerman province, Dowlatabad, Kholikalen (Wagner 1968).

Species of Mediterranean distribution; Turkey, W. Kazakhstan, Kirghizia, Iran.

Leprosoma tuberculatum Jakovlev, 1876

1 ♂ – N. Iran, Central province, Alborz, Damavand, Lajran (Ab. Garm), 2400 m., 21.7.1970 (loc. no. 64); 1 ♂ – S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.–10.6.1973 (loc. no. 229), rocky steppe. Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ – N.E. Iran, Khorassan, Bojnurd, 30:4.1965 Safavi collected.

Previously not recorded from Iran, first record.

Species of Irano-Turanian distribution, recorded from Anatolia, Iran, Afghanistan, Turkomanistan, Tajikistan, Uzbekistan, Kirghizia and Kazakhstan.

Leprosoma inaequale Horváth, 1911

1 ♀ – E. Iran, Kerman province, Kuh-e Jebal Barez, Deh Bakri, 1700 – 1750 m., 30.4.–3.5.1973 (loc. no. 186); 1 ♂ – S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.–10.6.1973 (loc. no. 229); 6 ♂♂ and 8 ♀♀ – N.E. Iran, Khorassan, Soghad, S. slope of Kuh-e Binalud, 15 km. N.E. of Nishabur, 1600 – 2300 m., 13.6.1977 (loc. no. 365). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ – S.E. Iran, Baluchestan, Bampur, 1.5.1950, Sarkissian collected; 1 ♀ – W. Iran, Kordestan, Kermanshah, Sohme, 3.8.1950; N. Iran, Central province, Moghan, 16.4.1963, Pamemaki collected; S. Iran, Fars, E. Zagros, Yassuj, 10:11.1967 Safavi collected.

In Iran previously recorded from S. Iran, Fars, Shiraz (Hoberlandt 1954); N. Iran, Central province, Gharaghadj (Hoberlandt 1959); E. Iran, Kerman province, Dowlatabad (Wagner 1968).

Occurring in Transcaucasia (Armenia and Azarbaijan), Iran and Israel.

Leprosoma stali Douglas and Scott, 1868

1 ♀ – N.W. Iran, Azarbaijan, Tabriz, 19.4.1966 Danech collected.

In Iran previously recorded from N. Iran, Central province, Gharaghadj (Hoberlandt 1954) and Tehran (Putshkov 1965).

Recorded from Syria, Israel, Anatolia, Armenia and N. Iran.

Putonia asiatica Jakovlev, 1885

3 ♂♂ and 2 ♀♀ – N.W. Iran, Azarbaijan, Tabriz, 19.6.1966, Danech and Pazuki collected.

From Iran previously not recorded, first record.

Species of Irano-Turanian distribution, recorded from Transcaucasia (Armenia), Turkomanistan, Tajikistan, Uzbekistan, Kazakhstan, Afghanistan and Iran.

Tshingisella bella Kiritshenko, 1913

9 ♂♂ and 14 ♀♀ – N. Iran, Tehran-Evin, 1700 m., south slopes of Alborz, 10.3.1973 (loc. no. 123), over-wintering under stones and in roofs of Astragalus; 2 ♂

♂ and 1 ♀ – S. Iran, Fars, 30 km. W. of Kazerun, 1300 m., 8.–10.6.1973 (loc. no. 229); 2 ♀♀ – S.W. Iran, Lorestan, Pol-e Tang, 60 km N.W. of Andimeshk, on the river Saimarah, 490 m., 10.–11.4.1977 (loc. no. 284); 1 ♀ – S. Iran, Abbassi, 25 km. N.E. of Khamir, 26.–27.4.1977 (loc. no. 317); 7 ♂♂ and 6 ♀♀ – S. Iran, Abbassi, Kuh-e Geno, 800 – 1000 m., 15 km. N.W. of Issin, 27.–28.4.1977 (loc. no. 318); 2 ♂♂ and 1 ♀ – N.E. Iran, Khorassan, Soghand, S. slope of Kuh-e Binalud, 16 km. N.E. of Nishabur, 1600 – 2300 m., 13.6.1977 (loc. no. 365). Collected by the Czechoslovak-Iranian expeditions.

From Iran previously not recorded, first record.

Characteristic species occurring in stony steppe of highland, distributed in Anatolia, Syria, Iran, Transcaucasia and Middle Asia (Turkomanistan, Tajikistan and Uzbekistan). Second species of this genus, *Tshingisella robusta* Linnavuori, 1960 is recorded from Israel only.

Ancyrosoma leucogrammes (Gmelin, 1789)

1 ♀ – N. Iran, Mazandaran, Babol – Shahi, 24.7.1970 (loc. no. 70); 1 ♂ – N. Iran, Mazandaran, Beshahr, 25.7.1970 (loc. no. 72); 1 ♂ and 1 ♀ – N. Iran, Gorgan province, Feyz-abad, 25 km. N. of Gorgan, 27.7.1970 (loc. no. 75); 1 ♂ and 3 ♀♀ – N. Iran, Gorgan province, vicinity of Dasht, Wildlife Park, 650 m., 27.–30.7.1970 (loc. no. 77); 1 ♀ – N. Iran, Gorgan province, Robate-Ghareh Bil, east part of Wildlife Park, 1000 m., 30.7.1970 (loc. no. 78); 4 ♂♂ – S.E. Iran, Baluchestan, 30 km. N. of Bampur on the road between Bampur and Bazman, 12.–13.4.1973 (loc. no. 159); 1 ♂ – S. Iran, Kerman province, 45 km. E. of Hajiabad, 9.5.1973 (loc. no. 1973); 1 ♀ – S. Iran, Abbassi, 20 km. S.E. of Minab 21.5.1973 (loc. no. 204); 1 ♂ and 1 ♀ – S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.–10.6.1973 (loc. no. 229); 1 ♂ and 1 ♀ – S. Iran, Fars, 13 km. S.E.S. of Kazerun, 9.6.1973 (loc. no. 231); 1 ♂ and 1 ♀ – N.W. Iran, Gilan, 10 km. N.W. of Zanjan, 4.–5.7.1973 (loc. no. 264); 1 ♀ – N.W. Iran, Azarbaijan, 20 km. S.E. of Marand, 5.–6.7.1973 (loc. no. 266); 1 ♀ – N. Iran, Gorgan province, Golestan forest, Mazarli, 20 km. N.W. of Dasht, 530 m., 19.–21.6.1977 (loc. no. 376). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 4 ♂♂ and 1 ♀ – N. Iran, Mazandaran, Chalus, 26.7.1970, Sabzevari collected; 1 ♀ – N. Iran, Gorgan province, Mashayakhi, 23.6.1975 Hiks collected; 1 ♀ – N. Iran, Central province, Gholhak near Tehran, 1400 m., 14.8.1961, 1 ♀ – N. Iran, Mazandaran, Khoramabad, 7.8.1961 Klapperich collected.

In Iran previously recorded from N. Iran, Ali-Abad, 17 km. E. of Gorgan (Kiritshenko 1949); N. Iran, Tehran, Toghiabad (Hoberlandt 1954) and S. Iran, Fars, Djahrom (Hoberlandt 1959).

Species of Holomediterranean distribution extending into steppe zone of Central Europe as far as Czechoslovakia. In the Middle East recorded from Cyprus, Egypt, Israel, Syria, Turkey, N. Iraq, Iran, Transcaucasia and Middle Asia.

***Sternodontus ampliatus* Jakovlev, 1887**

1 ♀ – S. Iran, Kerman province, Sabzevaran, 11.5.1964, Pazuki and Hashemi collected.

In Iran previously recorded from N. Iran (Jakovlev 1887) and Putshkov 1965 without exact locality.

Species of Irano-Turanian distribution, recorded from N. Iran, Transcaucasia, Turkomanistan, Tajikistan and Uzbekistan; Kirghizia.

***Sternodontus contestor* Kiritshenko, 1966**

1 ♀ – S. Iran, Kerman province, 55 km. S. of Hajiabad or 25 km. N.W. of Gotabad, west slope of Kuh-e Surmeh, 2000 m., 10.5.1973 (loc. no. 195); 1 ♀ – S. Iran, Kerman province, Gardaneh-e Besan, 1000 – 1400 m., 15 km. N.W. of Furk, 28.–29.5.1973 (loc. no. 218). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ – S.E. Iran, Baluchestan, Damen N. of Iranshahr, 24.4.1961 Hashemi and Pazuki collected.

In Iran previously recorded from S.E. Iran, Baluchestan, Kuh-e Taftan, Sargad and S. Iran, Kerman province, sands of Gahkom 30 km. S. of Hajiabad (Kiritshenko 1966).

Endemic species of Iran.

***Tholagus flavolineatus* (Fabricius, 1798)**

1 ♂ and 1 ♀ – N. Iran, Tehran-Evin, 26.7.1973 Safavi collected.

In Iran previously recorded from N. Iran, Gorgan (Jakovlev 1877, Oshanin 1906 and 1912).

Species of Holomediterranean distribution, widely distributed in N. Africa, South Europe; further recorded from Cyprus, Turkey, Egypt, Israel, Iraq, Iran, Transcaucasia, Caucasus, Kazakhstan; missing in Middle Asia.

***Tholagus breviceps* Jakovlev, 1883**

1 ♂ – N. Iran, Gorgan province, Wildlife Park, Robate-Ghareh Bil, 100 m., 30.7.1970 (loc. no. 78); 1 ♀ – E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Barez, 1700 – 1750 m., 30.4.–3.5.1973 (loc. no. 186); 2 ♂♂ – E. Iran, Kerman province, Mohammad-abad, 35 km. N.N.W. of Sabzevaran 1600 m., on the road between Deh Bakri and Sabzevaran, 3.–5.5.1973 (loc. no. 187); 10 ♂♂ and 14 ♀♀ – S. Iran, Kerman province, 45 km. E. of Hajiabad, 9.5.1973 (loc. no. 193); 1 ♀ – S. Iran, Abbassi, Issin, south slopes of Kuhha-ye Geno, 45 km N.W. of Bandar Abbas, 11.–15.5.1973 (loc. no. 198), stony semi-desert; 1 ♂ and 2 ♀♀ – S. Iran, Fars, Mian Jangal, 30.5.–5.6.1973 (loc. no. 223); 1 ♂ and 2 ♀♀ – S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.–10.6.1973 (loc. no. 229); 1 ♂ and 2 ♀♀ – S. Iran, Fars, Tang-e Chogan-e Olia, ruins of Bishapur, 1000 m., 10.6.1973 (loc. no. 233); 1 ♂ – S. Iran, Fars, E. Zagros, 28. km. N. of Masiri, 1650 m., 12.6.1973 (loc. no. 236); 1 ♀ – N.W. Iran, Azarbaijan, 26 km. S.S.E. of Khoy on the road Khoy – Rezaiyeh, 6.7.1973 (loc.

no. 267); 1 ♀ – S. Iran, Bushehr province, Jashak, 60 km. S.E. of Khormuj, 110 m., 20.4.1977 (loc. no. 304); 1 ♀ – S. Iran, Kerman province, Chashmeh-ye Sargaz, 50 km. W. of Sabzevaran on the road Sabzevaran – Esfandagheh, 1650 m., 20.–21.5.1977 (loc. no. 339); 1 ♀ – N. Iran, Central province, Alborz, 8 km. N.E. of Ziarn, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ – S. Iran, Fars, Fassa, 16.8.1949, Mirzayans collected; 2 ♂♂ and 4 ♀♀ – N. Iran, Tehran-Evin, 16.6.1969, Safavi collected; 1 ♂ and 5 ♀♀ – N. Iran, Gholhak near Tehran, 1700 m., 9.–23.6.1961, Klapperich collected.

In Iran previously recorded from S. Iran, Fars, Fassa (Hoberlandt 1959).

Species of Irano-Turanian distribution, recorded from Kazakhstan, Iran and Afghanistan, Turkomanistan, Uzbekistan, Tajikistan, Kirghizia.

***Tholagmus enkidu* Linnavuori, 1984**

1 ♀ – N. Iran, Tehran -Evin, south slopes of Alborz, 1700 – 2000 m., 9.–10.3.1973 (loc. no. 123); 1 ♂ – S. Iran, Fars, Tang-e Chogan-e Olia, ruins of Bishapur, 1000 m., 10.6.1973 (loc. no. 233); 2 ♂♂ – S. Iran, Abbassi, Golshan valley in vicinity of Golshan, 24.4.1977 (loc. no. 310). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – N. Iran, Central province, Taghi-abad, 19.7.1947, Salavatian collected; 1 ♂ – Iran, Khonjantshan, 29.5.1951, Farahbakh collected.

From Iran previously not recorded, first record.

Eremian, recorded hitherto only from N. Iraq (Ninawa, Mosul, Al Qosh, Dahuk).

***Tholagmus acuteangulatus* Linnavuori, 1984**

1 ♀ – S.E. Iran, Baluchestan, 30 km. N. of Bampur, on the road between Bampur and Bazman, 12.–13.4.1973 (loc. no. 159); 1 ♀ – S. Iran, Kerman province, 45 km E. of Hajiabad, 9.5.1973 (loc. no. 193); 1 ♂ – S. Iran, Abbassi, Issin, south slopes of Kuhha-ye Geno, 45 km. N.W. of Bandar Abbas, 11.–15.5.1973 (loc. no. 198); 1 ♂ – S. Iran, Kerman province, 30 km. S.E. of Ghotabad on the road Hajiabad – Bandar Abbas, 27.5.1973 (loc. no. 214). Collected by the Czechoslovak-Iranian expedition. All above mentioned localities were of steppe or semi-desert characters.

In Iran previously recorded from S.E. Iran, Baluchestan, Madyle and between Bampur and Karvandar (Linnavuori 1984).

***Graphosoma semipunctatum* (Fabricius, 1775)**

7 ♂♂ and 3 ♀♀ – E. Iran, Kerman province, Mohammad-abad, 35 km. N.N.W. of Sabzevaran, 1600 m., on the road between Deh Bakri and Sabzevaran, 3.–5.5.1973 (loc. no. 187); 1 ♂ – E. Iran, Kerman province, Banu-e Charehar, 1800 – 2000 m., 25 km. N.W. of Sowghan, between Esfandagheh and Sowghan, 8.5.1973 (loc. no. 191); 1 ♂ – S. Iran, Kerman province, 7 km. W. of Kakhom, 20 km. S.W. of Hajiabad, 28.5.1973 (loc. no. 215); 1 ♀ – S. Iran, Fars, Mian Jangal, 30.5.–5.6.1973 (loc. no. 223); 1 ♂ and 1 ♀ – N.W. Iran, Azarbaidjan, 30 km. N.W. of Mianeh, 5.7.1973 (loc. no. 265); 1 ♂ –

N. Iran, Central province, Alborz, Kandavan pass, south slope, 2780 m., 4.-9.7.1977 (loc. no. 395). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 2 ♀♀ - S. Iran, Fars, Shiraz, 9.7.1949 Mirzayans collected; 2 ♂ and 2 ♀♀ - N. Iran, Central province, Alborz, Abu Ask, 2000 m., 12.8.1960 Klapperich collected.

In Iran previously recorded from N. Iran, Karadj (Lindberg 1938), N. Iran, Ab Ali near Tehran (Seidenstücker 1957), as *G. semipunctatum* var. *confuta* Hob.; E. Iran, Kerman province, Anbar-Abad (Seidenstücker 1958), as *G. semipunctatum persicum* Ferrari; N. Iran, Karadj (Hoberlandt 1959) and S. Iran, Fars, Djahrom (Hoberlandt 1954), as *G. semipunctatum* var. *confuta* Hob.; S. Iran, Fars, Shiraz (Hoberlandt 1954); N. Iran, Shahrud 40 km. N.E. of Tehran, Dzherum; S. Iran, Kerman province, Sabzevaran (Djiroft), Kahkom (sands) S. of Hajiabad; S. Iran, Abbassi, Issin, Bandar Abbas - Lar (Kiritshenko 1966) as *G. semipunctatum wilsoni* White; N. Iran, Ab-Ali near Tehran (Seidenstücker 1957) and S. Iran, Abbasi, Bandar Abbas and Bandar-e Lengeh (Wagner 1968), as *G. semipunctatum* var. *wilsoni* White.

Species of Holomediterranean distribution, in the Middle East recorded from Cyprus, Egypt, Turkey, Israel, Iran; Afghanistan; Transcaucasia, Caucasus and the whole of Middle Asia.

Graphosoma consimile Horváth, 1903

1 ♂ - N. Iran, Central province, 8 km. W. of Gachsar, 6.-8.7.1977 (loc. no. 396). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from S. Iran, Fars, Darab (Hoberlandt 1954).

Species of Irano-Turanian distribution, recorded from Middle Asia; Kazakhstan, Transcaucasia, Iran and Afghanistan.

Graphosoma melanoxanthum Horváth, 1903

1 ♂ - S. Iran, Fars, E. Zagros, mountain pass 27 km. E. of Yassuj and 10 km. N.W. of Karun, 2650 m., 16.6.1973 (loc. no. 244); 15 ♂♂ and 16 ♀♀ - N. Iran, Central province, Alborz, Kandavan pass, south slope, 2780 m., 4.-9.7.1977 (loc. no. 395). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ - N. Iran, Tehran, Malunudich, 15.7.1948 Aellen collected; 1 ♂ - S. Iran, Fars, Ardakan, 22.7.1949, 1 ♀ - S. Iran, Fars, Kakan, 24.7.1949 Mirzayans collected; 3 ♂♂ - N. Iran, Central province, Alborz, Abu-Ask, 2000 m., 12.8.1960 Klapperich collected.

In Iran previously collected from N.W. Iran, Azarbaidjan, Lake Rezaiyeh (Kiritshenko 1938); N. Iran, Gorgan (Hoberlandt 1954) and S. Iran, Fars, Ardakan, Kakan (Hoberlandt 1959).

Endemic species of mountain regions of Anatolia, Transcaucasia and Iran.

Graphosoma lineatum (Linnaeus, 1758)

7 ♂♂ and 4 ♀♀ - N. Iran, Mazandaran, Beshahr, 23.7.1970 (loc. no. 72); 2 ♂♂

and 1 ♀ – N. Iran, Gorgan province, vicinity of Dasht, Wildlife Park, 650 m., 27.–30.7.1970 (loc. no. 77); 89 ♂♂ and ♀♀ – N. Iran, Gilan, Sheykh Mahalleh (Assalem), 160 m., 28.6.–3.7.1977 (loc. no. 390); 1 ♂ – N. Iran, Central province, Hashtgerd on the road Karadj – Ghazvin, 10.7.1977 (loc. no. 399); 1 ♂ – N. Iran, Central province, 8 km. N.E. of Ziaran, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ – N. Iran, Tehran-Darband, 2000 m., 12.6.1960; 1 ♀ – N. Iran, Mazandaran, Ramsar, 20 m., 5.–9.7.1960; 4 ♂♂ and 1 ♀ – N. Iran, Guolhak near Tehran, 1700 m., 9.–23.6.1961; 9 ♂♂ and 6 ♀♀ – N. Iran, Mazandaran, Chalus valley, 100 m., 30.6.1961, Klapperich collected.

In Iran previously recorded from N. Iran, Gorgan province, Gonbad-e-qabus (Seidenstücker 1957); N. Iran, Khorassan, Bojnurd; N. Iran, Mazandaran, Motel Ghoo, Calus, Bandar Pahlavi; Gilan, Assalem; Gorgan province, Golestan forest (Wagner 1968); N.W. Iran Azarbaidjan, Makidi, Arasharan, Wildlife Refuge (Kerzhner and Rieger 1985).

Species of Mediterranean origin, extending far into Central Europe, in the Middle East recorded from Turkey, Israel, Syria; Transcaucasia, Caucasus; in Middle Asia and Kazakhstan.

***Derula delagrangei* Puton, 1892**

1 ♂ – S. Iran, Fars, 28 km. N. of Masiri, 1650 m., 12.6.1973 (loc. no. 236), sparse oak (*Quercus brantii*) growth with steppe vegetation. Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♀ – S.W. Iran, Kordestan, Kermanshah, Shahabad-gharb, 15.9.1977 Safavi collected.

From Iran previously not recorded, first record.

Species described from S. Anatolia, Ekbaz near Gaziantep (formerly Akbes in Syria), hitherto the only known locality.

PENTATOMINAE

***Mecidea pallidissima* Jensen-Haarup, 1922**

1 ♂ and 1 ♀ – E. Iran, Kerman province, Mohammad-abad, 35 km. N.N.W. of Sabzevaran, 1600 m., on the road between Deh Bakri and Sabzevaran, 3.–5.5.1973 (loc. no. 187); 2 ♂♂ and 1 ♀ – 7 km. W. of Kahkom, 20 km. S.W. of Hajiabad, 28.5.1973 (loc. no. 215); 2 ♂♂ and 4 ♀♀ – S. Iran, Abbassi, Bagh-e Tang, 410 m., 6 km. W. of Geno, 50 km. N. of Bandar Abbas, 7.–9.5.1977 (loc. no. 323); 1 ♀ – S. Iran, Abbassi, Hassan Langi, 55 km. N.E. of Bandar Abbas, 9.–10.5.1977 (loc. no. 324), salty river bed; 3 ♀♀ and 5 ♀♀ – S. Iran, Abbassi, Sanderk, S. of Bashagerd, 220 m., 12.–13.5.1977 (loc. no. 327); 2 ♀♀ – S. Iran, Abbassi, Minab, 14.5.1977 (loc. no. 328); 1 ♀ – S.E. Iran, Kerman province, Ghanat-e Marvan, south foot of Kuh-e Lalehsar, 2850 m., 22.–24.5.1977 (loc. no. 345). Collected by the Czechoslovak-Iranian expeditions.

Previously not recorded from Iran, first record.

Species of wide Eremian distribution, recorded from Cape Verde Is. through Kenya, Somalia, Arabia to South India.

Mecidea lindbergi Wagner, 1952

1 ♀ – S.E. Iran, Baluchestan, Rask, 2.–3.4.1973 (loc. no. 146); 1 ♀ – S.E. Iran, Baluchestan, valley of the river Pish mant Kowr near the village Pish mant-e Khur, 55 km. N.N.W. of Tis, 5.4.1973 (loc. no. 151); 1 ♂ – E. Iran, Kerman province, Mohammad-abad, 33 km. N.N.W. of Sabzevaran, 1600 m., 3.–5.5.1973 (loc. no. 187); 1 ♀ ♀ E. Iran, Kerman province, 33 km. W. of Sabzevaran, 1100 m., 6.–7.5.1973 (loc. no. 189); 1 ♂ – S. Iran, Fars, E. Zagros, Sisakht, 2408 m., 13.–16.6.1973 (loc. no. 240); 1 ♀ – S. Iran, Bushehr province, Jashak, 60 km. S.E. of Khormuj, 110 m., 20.–21.4.1977 (loc. no. 304); 1 ♂ – S. Iran, Abbassi, Golshan valley, vicinity of Golshan, 24.4.1977 (loc. no. 310); 1 ♀ – S. Iran, Abbassi, Chah-kuh, 15 km. N.E. of Bandar-e Lengeh, 25.–26.4.1977 (loc. no. 313); 1 ♂ – S. Iran, Abbassi, Bagh-e Tang, 6 km. W. of Geno, 410 m., 50 km. N. of Bandar Abbas, 7.–9.5.1977 (loc. no. 323); 2 ♂ ♂ and 3 ♀ ♀ – S. Iran, Abbassi, Minab, 13.5.1977 (loc. no. 328); 2 ♂ ♂ and 2 ♀ ♀ – S. Iran, Kerman province, Chashmeh-ye Sargaz, 50 km. W. of Sabzevaran on the road Sabzevaran – Esfandgheh, 1650 m., 21.5.1977 (loc. no. 339); 1 ♀ – C. Iran, Posht-e Kuh, 50 km. N.W. of Dowlatabad on the road Sabzevaran – Baft, 1700 m., 21.–22.5.1977 (loc. no. 343); 32 ♂ ♂ and 32 ♀ ♀ – C. Iran, Kerman province, Ghanat-e Marvan, south foot of Kuh-e Lalehsar, 2850 m., 22.–24.5.1977 (loc. no. 345); 1 ♀ – S.E. Iran, Kerman province, Mahan, 30.–31.5.1977 (loc. no. 351); 1 ♀ – E. Iran, Khorasan, 25 km. N.N.W. of Shusf, 6.6.1977 (loc. no. 359). Collected by the Czechoslovak-Iranian expeditions.

From Iran previously recorded by Oshanin (1906 and 1912) as *Mecidea pallida* Stal; S.E. Iran, Baluchestan, Sarbaz; S. Iran, Fars, Yassuj (Hoberlandt 1954) as *Mecidea pallida* Stal; S.E. Iran, Baluchestan, Sargaz, N. of Taftan Mts.; Khash, Zahedan (Kiritshenko 1966) as *Mecidea pallida* Stal; S.E. Iran, Baluchestan, Khash (Wagner 1957, 1958); S.E. Iran Baluchestan, Kahuran near Purab, Iranshahr, Sargaz, Taftan Mts. (Seidenstücker 1957); E. Iran, Kerman province, Anbar-Abad (Seidenstücker 1958).

Species of wide Eremian distribution, recorded from Canary Is., Cape Verde Is., Morocco, Lesbos Is., Saudi Arabia and Iran.

Phricodus brouini Villiers, 1950

1 ♀ – S. Iran, Bushehr province, Konardan, 36 km. E. of Gav Bandi, 210 m, 23.4.1977 (loc. no. 309). Collected by the Czechoslovak-Iranian expedition. Savanna with *Prosopis spinigera*, stony slopes with small fields. Collected by light-trap.

From Iran previously not recorded, first record.

Species of Eremian distribution, previously known from Niger (Maradi type-locality) and East Sudan.

Phricodus bessaci Villiers, 1959

(Figs 17-20)

1 ♂ – S. Iran, Abbassi, Issin, 28.4.1977 (loc. no. 320), date-palms oasis with numerous gardens; 1 ♂ and 5 ♀♀ – S. Iran, Abbassi, Bagh-e Tang, 6 km. W. of Geno, 410 m., 50 km. N. of Bandar Abbas, 7.–9.5.1977 (loc. no. 323), savanna formation; 26 ♂♂ and 5 ♀♀ – S. Iran, Kerman province, Sanderk S. of Bashagerd, 220 m., 12.5.1977 (loc. no. 327), date-palms oasis, collected on *Heliotropium persicum* as a very abundant insect; 1 ♀ – S. Iran, Abbassi, Ziarat, 23 km N.W.N. of Bila'i or 57 km. S. of Minab, 14.5.1977 (loc. no. 330), coastal sandy dunes. Collected by the Czechoslovak-Iranian expedition.

From the whole material of *Phricodus bessaci* Villiers collected in Iran 54 % belong to macropterous and 46 % to brachypterous specimens of different stages.

In Iran previously not recorded, first record.

Species of wide Eremian distribution, recorded from South Mauretania, Senegal, Saudi Arabia and West Pakistan (Karachi), as *Phricodus pakistanensis* Hamid.

Synonymy:

Phricodus bessaci Villiers, 1959; Bull. de l'I.F.A.N., Ser A, 21: 1221–1222, fig. 5 (orig. descr.)

Phricodus pakistanensis Hamid, 1974; Memoirs Conn. Ent. Soc.: 303–322, figs 1–31 (orig. descr.). **Syn. n.**

Phricodus pakistanensis; Hamid and Hamid, 1975, Pakistan J. Sci. Ind. Res., 18: 22–25, figs 1–6 (biol.)

Phricodus pakistanensis; Ahmad and Kamaluddin, 1984, Orient. Ins., 18: 190 (geogr.)

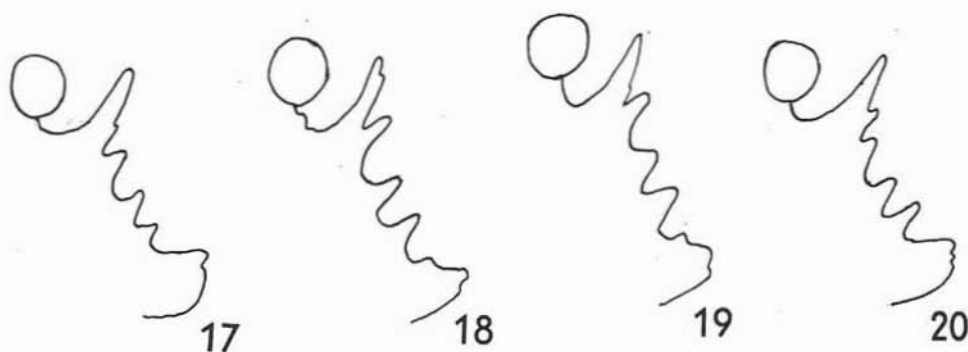
Phricodus bessaci; Linnavuori, 1986, Fauna of Saudi Arabia, 8: 55 (faun.)

Professor Carayon was so kind as to examine the Iranian specimens of *Phricodus bessaci* Villiers and compare them with the holotype of *Phricodus bessaci* Villiers from Mauretania and made drawings of characteristic pronotal spinulations of holotype and of one female from Iran originally determined as *Phricodus pakistanensis* Hamid. Professor Carayon at that time was not convinced of the identity of species in question as I preliminarily anticipated. But when I later examined, and compared with Carayon's drawing, the whole series of more than 80 specimens from Iran I found all potential transitions in morphological features, mostly corresponding with that of Villier's holotype. In addition the distribution in African and Asiatic Eremial (Mauretania, Senegal, Saudi Arabia, Iran and Pakistan) are eligible for establishing *Phricodus pakistanensis* Hamid, 1974 as new synonymy of *Phricodus bessaci* Villiers, 1959.

Note: In Aden occurs another species; *Phricodus aegyptiacus* Izzard (1 ♂, Simon, Zoological Museum, Helsinki), previously not known from Arabian Peninsula.

Genus *Mustha* Amyot et Serville, 1843

A genus including some of the largest species in Palaearctic in the family



Figs. 17–20: *Phricodus bessaci* Vill.: margins of pronotum. Fig 17: holotype from South Mauretania, figs. 18–20: different specimens from S.E. Iran.

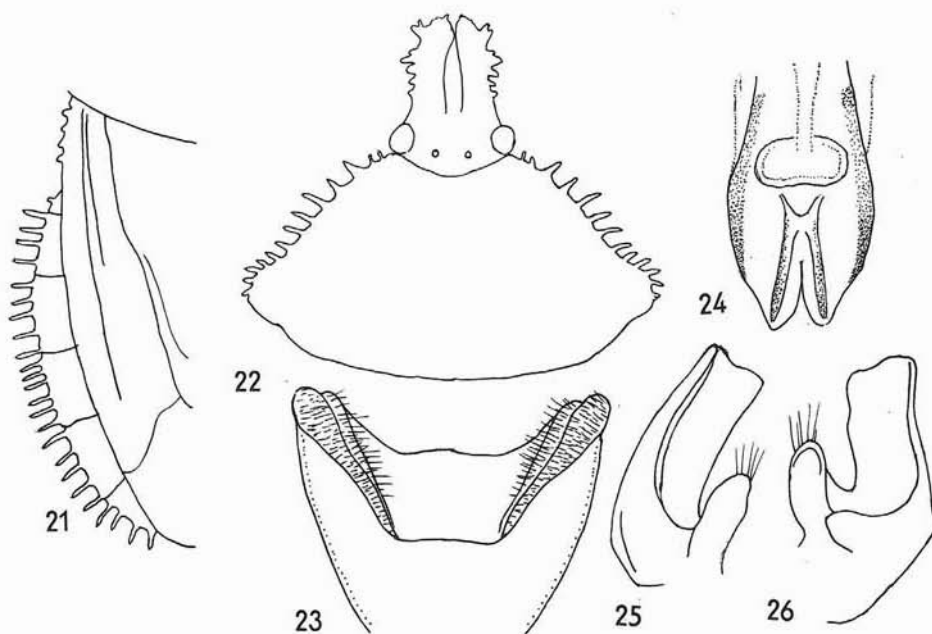
Pentatomidae, however still less known and sometimes difficult for determination. Two species of the genus are known only from original descriptions and no more collected later *Mustha serrata* (Fab.) from Syria and *Mustha longispinis* Reut. from North Anatolia. In this paper I am giving the redescription of these two mentioned species on basis of types.

Species of the genus *Mustha* are predominantly distributed in East Mediterranean, S.W. Asia and Middle Asia. The genus includes eight species: *Mustha vicina* sp. n. – Iran, *M. serrata* (Fab.) – Syria, *M. longispinis* Reut. – N. Anatolia, *M. gigantea* Horv. – Iran, Pakistan, *M. spinosula* (Lef.) – East Mediterranean, S.W. Asia and Middle Asia, *M. incana* Stal – Iran, Syria and *M. morgani* Horv. – Iran, Egypt, Palestine, Jordan, Saudi Arabia. Further species *Mustha spinosa* (Abbasi and Ahmad, 1971) originally described in the genus *Orthoschizops* Mulsant et Rey is identical with *Mustha gigantea* Horv. described from Iran and forms a new synonymy.

Herewith I give a key to species of genus *Mustha*. Amyot et Serville, 1843:

1. Head only slightly narrowed, in posterior part nearly parallel-sided, apically broadly rounded 2.
- Head conspicuously narrowed along the whole length, more or less triangular with sides slightly roundish or sharply triangular with expressively straight margins of head 3.
2. Head 1.06 times as long as broad across eyes, head margins only slightly convergent apicad, nearly straight, only in anterior half with 4 – 5 distinct irregular denticles, posterior margin of head with few only scarcely visible tubercles. Pronotum forwards distinctly narrowed, margins nearly straight with 11 unequal long acute spines. Margins of connexivum with comb-like thin spines of equal length. Length

- 17.3 – 18.7 mm S. and W. Iran *M. vicina* sp. n.
 – Head 1.11 times as long as broad across eyes, slightly convergent, head margins moderately rounded and slightly elevated, along the whole length finely irregularly serrate. Pronotal margins rather flattened, straight with regularly arranged short backwards directed flat teeth. Lateral margins of connexivum with similar teeth, 5 on each connexival segment. Length 21 mm. Syria *M. serrata* (Fab.)
3. Head subtriangular, distinctly narrowed apicad, head margins moderately roundish, paraclypeal lobes apically rounded, closing apex of clypeus, head margins moderately rounded, along the whole length with 8 very long robust projecting spines, all of nearly equal length. Antennae black. 4.
 – Head sharply triangular, strongly narrowed apicad, head margins very straight .
 7.
4. Costal margin of hemelytra yellow, callous with three robust and some minute yellow spines on border. Connexivum black, narrow, moderately raised, exterior margin along the whole length yellow, callous with short stout yellow teeth, 5 – 6 on each segment. Pronotum very broad, trapezoid, 2.9. times as broad as long, lateral pronotal margin straight, flattened and distinctly raised with 15 coarse acute long projecting spines of unequal length. Pronotal disc in anterior third with very distinct sharply delimited transverse elevation. Head distinctly narrowed apicad, margins of head moderately rounded, paraclypeal lobes apically narrowly rounded, closing the clypeus. Lateral margins of head along the whole length with 8 very robust projecting spines, all of nearly equal length. Antennae black. Length 18.5 mm. N. Anatolia (Amasya) *M. longispinis* Reut.
 – Hemelytra and connexivum entirely black or dark brown, unicoloured, without any yellowish coloured parts. Pronotum transverse, no more than 2.3 times as broad as long, pronotum plain without any distinct transverse elevation 5.
5. Head 1.4 times as long as broad across eyes. Bucculae broad, conspicuously bisinuate, anteriorly projecting in a short acute spine, posteriorly widened in a broad rounded lobe. Length 28 – 35. mm. Iran, Pakistan *M. gigantea* Horv.
 – Head 1.1 times as long as broad across eyes. Bucculae narrow with straight margin, anteriorly projecting in small acute process, posteriorly roundish 6.
6. Head apicad distinctly narrowed, paraclypeal lobes touching apically, apices divergent, but closing the clypeus. Spines on pronotal margins irregularly arranged and less numerous (12), spines on connexival margins irregularly arranged and of unequal length, teeth-like. Pronotum and scutellum without roundish elevations, corium without yellowish circles. Length 22 – 24. mm. Tajikistn, E. Iran, Afghanistan
 *M. baranovi* Kirit.
 – Head not conspicuously narrowed, paraclypeal lobes not touching apically, leaving clypeus free. Pronotum with more numerous spines (16), regularly arranged. Spines on connexival margins regularly arranged and of equal length. Pronotum and scutellum with numerous small plain roundish elevations, corium with yellowish circles. Length 22 – 25. mm. East Mediterranean, S.E. Europe, S.W. Asia, Middle Asia



figs. 21-26: *Mustha vicina* sp. n. (male - holotype). Fig 21: margin of connexivum, fig. 22: pronotum and head, fig. 23: pygophore seen from above, fig. 24: penis, figs 25-26: parameres.

- *M. spinosula* (Lef.)
7. Head sharply triangular, strongly narrowed, 1.06 times as long as broad across eyes, lateral margins straight with 11 upwards directed spines of medial size, which diminish anteriorly. Pronotum trapezoid 2.4 times as broad as long, lateral margins straight, slightly elevated with 18 - 21 short teeth which diminish in distal half. Connexivum broad, slightly raised with small backwards directed teeth, 8 - 9 on margin of each connexival segment. Paraclypeal lobes anteriorly pointed and closing the clypeus. Length 19 - 23. mm. Iran, Syria, Egypt, Sinai *M. incana* Stal
- Head triangular sharply and strongly narrowed with straight margins and along the whole length with very stout projecting spines. Pronotum trapezoid, 2.2 times as broad as long, lateral margins distinctly insinuate with 15 - 16 medially long acute spines, some of them being distinctly shorter. Connexivum broad with broad very short dense backwards directed black spines. Corium reddish brown with short dense adpressed whitish hairs. Length 20 - 24 mm. W. and S.W. Iran, Egypt, Palestine, Jordan, Saudi Arabia *M. morgani* Horv.

***Mustha vicina* sp. n.**

(Figs. 21 – 26)

Male. Length 17.3 mm, maximum width across abdomen 9.5 mm. Head: length 3.2 mm., width across eyes 3 mm. Antennae: 1. mm., 1.7 mm., 1.3 mm., 2.6 mm., 2.2 mm. Pronotum: length in the middle 3.2 mm, width 9.1 mm. Scutellum: length 6.5 mm., width 5. mm.

Small in size, smallest species in the genus, slender, 1.82 times as long as broad across abdomen and the abdomen only 1.04 times broader than width of pronotum across humeral angles.

Head as long as broad across eyes (only 1.06 times as long as broad), margins of paraclypeal lobes nearly straight, only slightly convergent anteriorly, apex of head broadly rounded, paraclypeal lobes slightly projecting over clypeus and closing it. Clypeus narrow, apically pointed, elevated, disc of head posteriorly arched. Margins of head only in front of antennal base with 4 – 5 distinct irregular denticles directed rather upwards and one or two of them being more or less bifid, posterior margin of head with some scarcely visible tubercles. Surface of head transversely pubescent, more distinctly on disc, in parts, with very short adpressed silvery pubescence. Eyes small, globular, inserted in the head margins, ocelli small, ocular index 4. Antennae pale brownish, very slender and long, 10 : 17 : 13 : 26 : 22. Head below distinctly sculptured, with adpressed twisted hairs, bucculae narrow, along the whole length of equal width, subapically notched and on apex with a small tooth. Rostrum reaching between posterior acetabula.

Pronotum across humeral angles 2.84 times as broad as long in the middle, forwards distinctly narrowed, posteriorly 3 times as broad as wide anteriorly, pronotal margins irregular, nearly straight, with unequal long acute spine-like teeth, slightly bent backwards and more densely accumulated on humeral angles which are narrowly rounded, anterior pronotal margin in front of scutellum straight. Pronotum anteriorly flat, distally arched, submarginally slightly depressed. Surface of pronotum dull with irregularly dispersed small roundish shining callosities, with very short silvery pubescence among them. Pronotum on posterior margin as well as on posterior margin of head with small yellow callosity. Scutellum triangular 1.26 times as long as broad, sinuately narrowed, apex narrowly rounded. Disc of scutellum anteriorly arched, transversely wrinkled with numerous irregularly dispersed callous-like shining spots, otherwise dull black and with silvery fine pubescence, border of extreme apex yellowish brown. Sternum dull black with silvery twisted hairs concentrated in irregular areas, sutural parts of pro- and metathorax and acetabula yellowish brown with black punctures. Legs robust, anterior tibiae distally widened, femora below with long erect fine hairs, tibiae with short subadpressed hairs, middle tibiae in addition with sparse long erect hairs. Femora and anterior tibiae black, middle and posterior tibiae yellowish brown with basal and apical part more or less darkened. Trochantera and tarsi yellowish brown. Metathoracic scent gland opening situated



Photo 2: S. Iran, Fars, Mian Jangal, steppe region with shrubs of *Amygdalus scoparia*, type-locality of *Mustha vicina* sp. n. (loc. no: 223) Photograph taken at 4th June 1973 (L. Hoberlandt).

rather below, near to anterior margin of metasternum, with very small yellow process, evaporative areal large, ovate slightly elevated and occupying most of the upper part of metathorax. Venter less convex, dull black with fine short adpressed pubescence, laterally and in the middle with small longitudinally arranged irregular brownish spots. Connexivum narrow dull black, with short adpressed whitish hairs, anterior suture of respective connexival segments with transverse callose shining elevations. Connexival margins moderately regularly rounded with comb-like thin spines, of equal length as on pronotum, four or five on each segment, few of them bifid. Hemelytra reaching to the apex of abdomen, reddish brown, on costal veins darkened, with dense fine black puncturation and with disperse circular or semicircular callous yellowish elevations. Corium with short twisted adpressed white hairs. Posteroexterior angle of corium roundish, membranous suture straight. Membrane dark brown, shining.

Pygophore when seen from above 1.25 times as broad as long, posterior terminal margin broadly, deeply and rather regularly concave, with slightly sinuate sides, narrowly callous, upper opening of the segment triangular with sinuate margins and

with a parallel straight ridge; upper and posterior borders as well as upper ridge with dense thick bristles. Posterolateral angles of the segment broadly rounded and slightly projecting. Parameres robust, horseshoe-shaped with one end flat and truncate, the another bluntly pointed, with fine long hairs. Penis in figure.

Female. Length 17. – 18.7 mm., width 8.6 – 9.7 mm. Similar to male.

Holotype – male: S. Iran, Fars, Mian Jangal, 30.5.–5.6.1973 (loc. no. 223), photo 2. Collected by the Czechoslovak-Iranian expedition.

9 ♀♀ – paratypes; the same locality as for holotype. 1 ♀ – paratype: S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.–10.6.1973 (loc. no. 229). Collected by the Czechoslovak-Iranian expedition.

1 ♀ – paratype: S. Iran, Fars, Dasht-e Arzhan, 54 km. E. of Kazerun, 1700 m., 9.6.1973 (loc. no. 230). Collected by the Czechoslovak-Iranian expedition.

1 ♀ – paratype: W. Iran, Ilam, Kermanshah, 5.5.1949 Fassihi collected.

All specimens from Mian Jangal were collected on the trunk of almond-trees *Amygdalus scoparia*.

Mustha vicina sp. n. is allied to *Mustha serrata* (Fabricius), however it differs in many good features, in smaller size, being the smallest species in the genus, in arrangement of all outgrowths, which on head are more acute, thorn-like and present only on margins in front of antennae, whilst in *M. serrata* (Fab.) they are teeth-like, more obtuse, and arranged along the whole border of head, the spines on pronotal and connexival borders are acute thorn-like and protruding sideways, connexivum distinctly narrower and flatter than in *Mustha serrata* (Fab.). General size of the new species is distinctly narrower than *M. serrata* (Fab.).

***Mustha serrata* (Fabricius, 1794)**

(Figs 27, 28)

Lygaeus serratus Fabricius 1794, Ent. Sysdt. 4 : 134

Mustha serrata; Fabricius 1803, Syst. Rhynogorum : 203

Mustha serrata; Dallas 1851, List : 191

Mustha serrata; Reuter 1890, Rev. d'Ent. 9 : 264

Mustha serrata; Lethierry et Severin, 1893, Catalogue général, 1 : 104 (cat.)

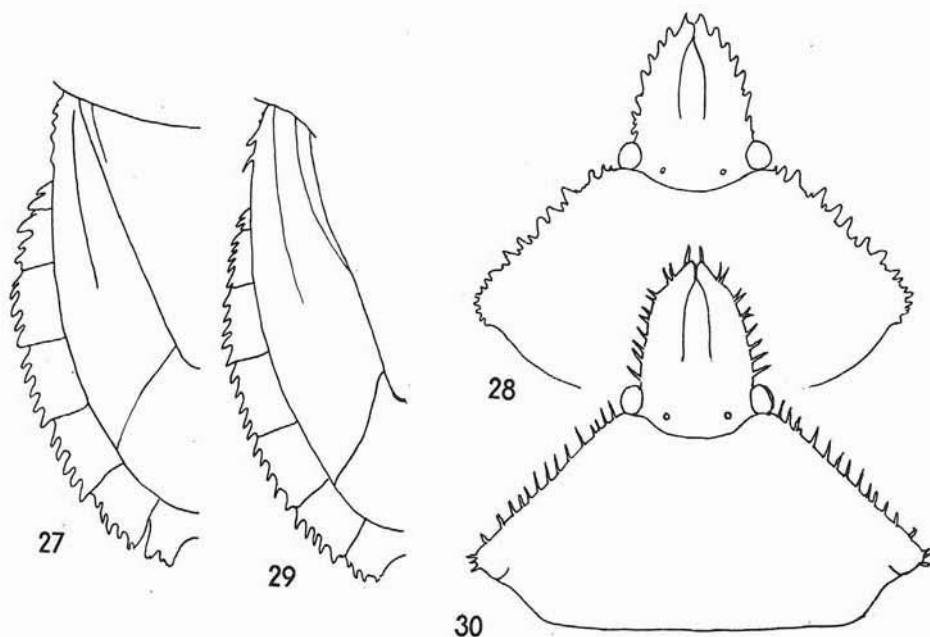
Mustha serrata; Horváth, 1907, Bull. Mus. hist. nat., Paris, 7 : 515

Mustha serrata; Kirkaldy, 1909, Catalogue of the Hemiptera, 1 : 200 (cat.)

Mustha serrata; Oshanin, 1912, Katalog der pal. Hemipteren : 9 (cat.)

Female. Length 21. mm., width across pronotum 10.5 mm., width across abdomen 12.2 mm. Head: length 4. mm, width across eyes 3.6 mm. Pronotum: length 5. mm, width 10.5 mm. Scutellum: length 7.5 mm.

General shape of the body broadly ovate, 1.72 times as long as broad across abdomen, in general appearance rather flat, posteriorly slightly widened.



Figs. 27–28: *Mustha serrata* (Fab.) (female – holotype). Fig. 27: margin of connexivum, fig. 28: pronotum and head. Figs 29–30: *Mustha longispinis* Reut. (male – holotype). Fig. 29: margin of connexivum, fig. 30: pronotum and head.

Head 1.1 times as long as broad across eyes, ocular index 2.5, forward only slightly narrowed with moderately roundish margins, head apically obtuse, rather rounded, paraclypeal lobes anteriorly closing clypeus which is very narrow. Head flat, lateral margins slightly elevated and borders along the whole length finely and irregularly serrate, disc of head posteriorly slightly arched. Eyes very small, roundish, inserted into posterior part of head and anterior margin of pronotum. Bucculae narrow, only anteriorly slightly higher.

Pronotum 2.1 times as broad as long (105 : 50), anteriorly distinctly narrowed, lateral margins straight and serrate with irregularly arranged shortly protruding flat teeth, pronotum anteriorly declivous, posterior part of pronotal disc slightly arched, pronotal margins rather flattened, posteriolateral angles of pronotum narrowly rounded, posterior margin in front of scutellum nearly straight. Surface of pronotum dull, posterior third transversely irregularly wrinkled. Scutellum triangular, 1:25 times as long as broad, with straight margins and obtuse apex, surface of scutellum slightly arched, transversely wrinkled, posteriorly rather coarsely wrinkled.

Hemelytra reaching to the posterior margin of 7th dorsal segment, exterior corial margin along the whole length with sparse small tubercles. Corium smooth, exteri-

only and posteriorly with fine pits. Corial veins obsolete, membrane small with distinct veins. Connexivum rather broad, elevated, surface finely sculptured, posterior suture of each segment slightly elevated, exterior margin of connexivum regularly rounded with numerous, regularly arranged flat short (0.425 – 0.426 mm) blackwards directed teeth, five in number on border of each connexival segment, 7th dorsal segment on each side with four distinct shorter teeth. Venter rather convex, smooth, laterally behind each spiracle with a distinct transverse groove.

Head, pronotum, scutellum and connexivum dull pitch-black, corium blackish-brown with few disperse roundish brown spots, membrane blackish-brown with black veins. Sternum black with few small brownish spots. Venter brownish, marbled with black, ventral margins laterally along the whole length black.

Female specimen labelled „*Mustha serrata*“ without locality. Syria as given by Reuter 1890, Horváth 1907, Kirkaldy 1909, Oshanin 1906 and 1912 seems to be the adequate locality of this species. All known species of the genus *Mustha* occur in East Mediterranean, S.W. and Middle Asia. America as origin of this species given by Fabricius is incorrect.

Thanks to the kindness of Dr. W. R. Dolling, London, I have been able to study the unique specimen – type of *Mustha serrata* (Fabricius) described as *Lygaeus serratus* Fabricius and above I am giving some characters additional to the original description. The type specimen is rather damaged, there are missing legs and antennae and they are substituted many years ago by those of a beetle (Curculionid). This substitution has already been noticed by Dallas (1851). The extremities in all species of the genus *Mustha* show significant specific characters and their missing casts no doubt on this species.

***Mustha gigantea* Horváth, 1907**

Mustha gigantea Horváth, 1907, Bull. Mus. hist. nar., Paris, 7 : 515 and 516, fig. (orig. descr.)

Mustha gigantea; Oshanin, 1912, Katalog der pal. Hemipteren : 9 (cat.)

Mustha gigantea; Kirkaldy, 1909, Catalogue of the Hemiptera, 1 : 200 (cat.)

Mustha gigantea; Putshkov, 1965, Stitniki Srednej Azii, p. 168 (key)

Orthoschizops spinosus Abbasi and Ahmad, 1971, Pakistan J. Zool., 3 : 169–173, fig. 1 (orig. descr.)

Orthoschizops spinosus; Ahmad and all., 1974, Ent. Soc. Karachi, Suppl. 1 : 57, figs 107 and 110.

Mustha spinosus; Ahmad, 1979, Ent. Soc. Karachi, Suppl. 4 : 57 (n. comb.) n. syn.

Mustha spinosus; Ahmad, 1980, Proc. 1st Pakistan Congr. Zool., A : 137

Mustha spinosus; Ahmad and Kamaluddin, 1984, Oriental Ins., 18 : 189–190, figs 1–6.

1 ♂ – E. Iran, Sistan, 37 km. N.W. of Zahedan, 22.–23.4.1973 (loc. no. 173), 1 ♂, 1 ♀ and 1 nymph – S.E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Barez, 1700 – 1750 m., 30.4.–3.5.1973 (loc. nop. 186), collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ – S.E. Iran, Baluchestan, Dabshtiari, 5.3.1950, Mahsui collected.

In Iran previously recorded from S.W. Iran, Zagros mountains, Bakhtiari, 1500 – 4500 m. (Perse: Monts Bakhtyaris), Horváth 1907, and S.E. Iran, Baluchestan, Dashtiari, Hoberlandt 1954.

Specimens from Sistan and Kerman were collected on trunks of Populus.

Species recorded from mountains plains of Iran and S.W. Pakistan (Quetta, Vam valley, Abbasi and Ahmad 1971).

Abbasi and Ahmad 1971 described *Orthoschizops spinosus* from S.W. Pakistan and later Ahmad 1979 transferred this species to the genus *Mustha*, however species *Mustha spinosus* (Abbasi and Ahmad) is identical with *Mustha gigantea* Horváth, 1907 and forms new synonymy of it.

***Mustha baranovi* Kiritshenko, 1952**

1 ♂ – E. Iran, Baluchestan, Khash, 25.2.1948 Esfandiari collected.

Previously not recorded from Iran, first record.

Species described from Tajikistan (Lake Iskandar-kul and Kondara valley) and recently recorded from E. Afghanistan (Tangi-Gharuh and Sarobi), Hoberlandt 1984.

***Mustha spinosula* (Lefebvre, 1831)**

1 ♂ and 2 ♀♀ – S. Iran, Fars, Mian Jangal, 30.5.–5.6.1973 (loc. no. 223), 3 ♂♂ and 3 ♀♀ – S. Iran, Fars, Dsht-e Arzhan, 54 km E. of Kazerun, 1700 m., 9.6.1973 (loc. no. 230), 1 ♂ – S. Iran, Fars, E. Zagros, 48 km. N. of Masiri, pass on the road Masiri – Yassuj, 2230 m., 12.6.1973 (loc. no. 238), 1 ♂ – S. Iran, Fars, E. Zagros, Sisakht, 2408 m., 13.8.1973 (loc. no. 240), 1 ♀ – S. Iran, Fars, E. Zagros, Yassuj, 1750 m., 16.6.1973 (loc. no. 243), 1 ♀ – S. Iran, Fars, E. Zagros, 29 km. E. of Yassuj and 10 km. N.W. of Karun, 2300 m., 16.–17.6.1973 (loc. no. 245), 1 ♂ and 4 ♀♀ – S. Iran, Fars, Shiraz, 19.6.1973 (loc. no. 249), 1 ♂ – W. Iran, Azarbaijan, 30 km., N.W. of Mianeh, 5.7.1973 (loc. no. 265). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ – S. Iran, Fars, E. Zagros, W. slope of Dena, 2210 m., 18.–20.8.1973, Burumand and Pazuki collected, 1 ♀ – S. Iran, Fars, Kazerun – Garkoshak, 13.6.1976 Abai collected.

In Iran previously recorded from N. Iran, Shahrud (Jakovlev 1877, Oshanin 1906, 1912), N. Iran, Ashref (Kiritshenko 1949), N. Iran, Gorgan (Hoberlandt 1954), N. Iran, Central province, Mardabad, Karadj (Wagner 1968).

Species of Ponto-Mediterranean distribution, common in Balkan peninsula, in the Middle East recorded from Egypt, Anatolia, Israel, Syria, N. Iraq and Iran, recorded from the Caucasus and Transcaucasia, penetrating into Middle Asia and Turkomanistan (Kopet Dag).

***Mustha incana* Stal, 1872**

1 ♂ – S. Iran, Bushehr province, Jashak, 60 km. S.E. of Khormuj, 110 m.,

20.-21.4.1977 (loc. no. 304). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 4 ♂♂ and 1 ♀ - N. Iran, Tehran, Bonekuh, 1.9.1948 Allen collected, 1 ♀ - S.E. Iran, Baluchestan, Sarbaz, 22.3.1949 Salavatian collected, 1 ♀ - W. Iran, Kermanshahan, Ilam, 23.5.1965 Safavi collected, 1 ♂ - C. Iran, Central province, Kashan, Siah Kuh, 21.5.1971 Abai collected, 1 ♀ - C. Iran, Semnan province, Kavir Namak, 11.10.1972 Iranshah collected. 1 ♂ - paratype „Persia, Schahrud“, coll. Stal, 1 ♀ - „Persia“, coll. Stal, Riksmuseum, Stockholm.

In Iran previously recorded from N. Iran, Shahrud (Jakovlev 1877), S.E. Iran, Baluchestan, Sarbaz (Hobeslandt 1954), Zahedan (Kiritshenko 1966). Stal 1872, Oshanin 1906, 1912.

Species of Eremian distribution; Iran, Egypt, Syria, Sinai.

***Mustha morgani* Horváth, 1907**

1 ♂ - S.W. Iran, Khuzestan, Siahmakan, 200 m., 70 km. W. of Bandar Genaveh, 17.-18.4.1977 (loc. no. 295). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♀ (holotype) - „Perse occidentale, J. de Morgan, 1904“, Museum Nat. d'Hist. Naturelle, Paris).

In Iran previously recorded from „Perse occidentale“, Horváth, 1907, 1912, Oshanin 1910 and 1912, W. Iran, Kermanshahan, Ilam, Hoberlandt 1954.

Species of Eremian distribution, recorded from Iran, Palestine, Jordan and Saudi Arabia.

***Mustha longispinis* Reuter, 1890**

(Figs. 29-30)

Mustha longispinis Reuter, 1890, Rev. d'Ent., 9 : 263-264 (orig. descr.)

Mustha longispinis; Lethierry et Severin, 1893, Catalogue général : 104 (cat.)

Mustha longispinis; Horváth, 1907, Bull. hist. nat., Paris, 7 : 516 (key)

Mustha longispinis; Kirkaldy, 1909, Catalogue of the Hemiptera, 1 : 200 (cat.)

Mustha longispinis; Oshanin, 1906, Verzeichnis der pal. Hemipteren, 1 : 72 (cat.)

Mustha longispinis; Oshanin, 1912, Katalog der pal. Hemipteren : 9 (cat.)

Male. Length 18.5 mm, maximum width across abdomen 9.8 mm. Head: length 3.7 mm, width across eyes 3.3 mm. Antennae: 1. mm, 3. mm, 2.1 mm., 2. mm. (fifth segment missing in the type). Pronotum : length 3.2 mm., width across humeral angles 9.2 mm, width anteriorly 3.2 mm. Scutellum: length 5. mm., width 4.7 mm.

Species of rather smaller size, regularly ovate, 1.9 times as long as broad, posteriorly slightly widened, abdomen only 1.06 times broader than width of pronotum across humeral angles.

Head 1.12 times as long as broad across eyes, anterior margins of head moderately roundish and distinctly narrowed apicad, paraclypeal lobes apically narrowly rounded and closing the apex of clypeus, which is short and narrow with pointed apex, of lanceolate shape. Lateral margins of head along the whole length with 8 very robust projecting spines, all of nearly equal length, eyes small globular, sessile, ocular index

5. Surface of head plain. Bucculae narrow, along the whole length of equal width, anteriorly protruding in a small angle, rostrum reaching to the base of abdomen. Antennae black, very slender, first segment slightly thicker than the remaining ones, which are linear. Relative lengths of antennal segments 10 : 30 : 21 : 20 (fifth missing). Head dull black with dense whitish short twisted hairs on upper surface and below.

Promotum trapezoid, 2.9 times as broad as long in the middle and posteriorly 2.6 times as broad as anterior margin. Lateral pronotal margin straight, flattened and distinctly raised with 15 coarse acute projecting long spines of unequal length. Anterior pronotal margin deeply concave with angulate anterolateral angles, posterior margin slightly sinuate, humeral angles nearly rectangular with some small teeth. Pronotum in general plain, in anterior third with very distinct transverse elevation, distinctly delimited from all sides and in anterior part with two obsolete brownish cicatrices. Surface of pronotum rugulose punctate with irregularly dispersed short whitish twisted hairs. Pronotum and spines dull black, on posterior disc with rather brownish shade and some small brownish callosities. Sternum black with dense white short twisted hairs, covering also the evaporative area. Metathoracic scent gland opening delimited anteriorly by narrow brownish callosity. Scutellum triangular, 1.1 times as long as broad, subapically narrowed, apex narrowly rounded, disc anteriorly slightly arched and in the middle with a longitudinal obsolete carina. Sculpturation and colour similar to that of pronotum, apex brownish. Legs stout, black with short twisted whitish hairs and short suberect pubescence. Hemelytra scarcely reaching the apex of abdomen, shiny brownish with dense fine black punctation and very short twisted white hairs and some small yellowish circular callosities, costal margin yellow, callous, in anterior third broader and with three robust and some minute yellow spines.

Venter blackish, below and laterally more or less marbled brownish with dense short twisted whitish hairs. Tergum and connexivum black, connexivum narrow, moderately raised with short twisted whitish hairs, posterolateral angles or connexival segments not projecting, rounded, exterior margin along the whole length of connexivum yellow, callous with stout short yellow teeth, directed backwards and black on extreme apices, being 5 or 6 on each segment.

Pygophore when seen from behind 1.25 times as broad as long and broadly deeply excavate, the shape of excavation nearly rhomboidal, below with a small roundish pit, lateral margins of excavation broadened with sharp border and numerous short bristles. Posterolateral angles of pygophore prolonged in a short slightly bent subacute process.

Examined: male, holotype – Amasya (N. Anatolia), in the collections of the Zoological Museum, Helsinki (coll. O.M. Reuter, Spec. typ. No. 9477, labeled as "*Mustha conspinis* Reut.,

N. Anatolia is hitherto the only record of this species.

Apodiphus integriceps Horváth, 1888

1 ♂ – E. Iran, Kerman province, 13 km. W.S.W. of Kerman, 29.4.1973 (loc. no. 182), 3 ♀♀ – E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Barez, 1700 – 1750 m., 30.4.–3.5.1973 (loc. no. 186), 2 ♂♂ and 1 ♀ – E. Iran, Kerman province, 33 km. W. of Sabzevaran, 1100 m., on the road Sabzevaran – Esfandagheh, 6.–7.5.1973 (loc. no. 189), 1 ♂ – S. Iran, Abbassi, Ziarat, 57 km. S. of Minab, 24.5.1973 (loc. no. 210), 3 ♂♂ and 2 ♀♀ – S. Iran, Fars, Mian Jangal, 30.5.–5.6.1973 (loc. no. 223), 1 ♂ – S. Iran, Fars, 15 km. N.W. of Mian Jangal, 5.6.1973 (loc. no. 224), 9 ♂♂ and 4 ♀♀ – S. Iran, Fars, Shiraz, 19.6.1973 (loc. no. 249), 1 ♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 2.–7.4.1977 (loc. no. 276), 2 ♂♂ and 5 ♀♀ – E. Iran, Kerman province, Chashmeh-ye Sargaz, 50 km, W. of Sabzevaran, 1650 m., 20.–21.5.1977 loc. no. 359). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ – N. Iran, Tehran, 14.8.1951, 1 ♀ – S. Iran, Fars, Djahrom, 16.7.1949 Safavi collected, 1 ♂ – E. Iran, Kerman province, Shahdad, 3.4.1950 Salavatian collected, 1 ♂ – N. Iran, Tehran, 15.6.1960, 2 ♂♂ – N. Iran, Central province, Ghazvin, 1200 m., 22.6.1960 Klapperich collected, 1 ♀ – N.E. Iran, Khorassan, Rekut-Bagiran, W. of Birjand, 3.6.1986, 1 ♂ – S.E. Iran, Baluchestan, Bampur, 12.–17.4.1901, 1 ♂ – S.E. Iran, Baluchestan, Kuh-e Taftan, 13.5.1901, Zarudny collected, 3 ♀♀ – S.E. Iran, Kerman, 30.5.1928 Sijazov collected, 1 ♂ and 1 ♀ – N.E. Iran, Khorassan, Mashhad, 18.6.1937 Semenov collected, 1 ♂ – S. Iran, Abbassi, Gokhre, 100 km. N. of Bandar Abbas, 27.4.1955, 1 ♂ and 1 ♀ – S.E. Iran, Baluchestan, Khash (Gust), 18.5.1955, 1 ♀ – N.E. Iran, Khorassan, Birjand, 7.6.1955, 1 ♂ – S. Iran, Fars, Djahrom, 15.7.1955 Steinbeg collected.

Previous records from Iran: E. Iran, Kerman province, Shahdad (Hoberlandt 1954), N.E. Iran, Khorassan, Birjand (Kiritshenko 1966), S. Iran, Bushehr (Ghauri 1977).

Species of East-Eremian distribution, recorded from Turkey, Syria, Iraq, Israel, Iran, Afghanistan, Saudi Arabia, Pakistan and India.

Apodiphus amygdali (Germar, 1817)

1 ♂ And 4 ♀♀ – N.W. Iran, Azarbaidjan, Sufian, 30 km. W. of Tabriz, 20.–21.6.1970 (loc. no. 21), 1 ♂ – N. Iran, Central province, Rudehen 35 km. E. of Tehran, 20.7.1970 (loc. no. 62), 46 ♂♂ and 64 ♀♀ – N. Iran, Tehran – Evin, 1700 – 2000 m., 14.3.1973 (loc. no. 123), 1 ♂ and 1 ♀ – E. Iran, Kerman province, 33 km. W. of Sabzevaran, 1100 m., on the road Sabzevaran – Esfandagheh, 6.–7.5.1973 (loc. no. 189), 1 ♀ – S. Iran, Fars, E. Zagros, 13 km. S.S.W. of Yassuj, 1800 m., valley of the river Dasht-e Rum, 12.–13.6.1973 (loc. no. 239), 3 ♂♂ – S. Iran, Fars, E. Zagros, Sisakht, 2408 m., 15.6.1973 (loc. no. 240), 2 ♂♂ and 1 ♀ – S. Iran, Fars, E. Zagros, Yassuj, 1750 m., 16.6.1973 (loc. no. 243), 1 ♂ and 1 ♀ – S. Iran, Fars, E. Zagros, mountain pass 2650 m., 24 km. E. of Yassuj and 10 km. N.W. of Karun, 16.6.1973 (loc. no. 244), 2 ♂♂ and 2 ♀ – S. Iran, Fars, Shiraz, 10.6.1973 (loc. no. 249), 3 ♂♂ – N. Iran, Tehran-Evin, 1700 m., 2.7.1973 (loc. no. 260), 1 ♀ – N. Iran, Central province,

Alborz, Kuhhayeh Tochal, 3500 m., 2.6.1973 (loc. no. 262), 5 ♂♂ and 3 ♀♀ – N. Iran, Tehran – Evin, 1700 m., 2.4.1977 (loc. no. 276), 2 ♂♂ and 5 ♀♀ – N. Iran, Central province, Hashtgerd, 10.7.1977 (loc. no. 399), 1 ♂ – N. Iran, Central province, 8 km. N.E. of Ziaran, 2400 m., 10. - 16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

Further numerous material examined from N. Iran: Tehran – Evin, Alborz, Tehran-Tajrish, Albhorz-Emaneh, Gholhak near Tehran, Tehran-Shemiran, Tehran-Abekhar, Shahrud, Gorgan, Tehran-Mahmudieh, Tehran-Hableh-Rud, Baghar-Abad (Kashan); Central Iran, Esfahan-Razmatabad; N.E. Iran, Khorassan, Faarkheikjardi; S. Iran, Fars, Maro-Desht, Fassa, Dena; W. Iran, Hamadan (Jirsik 1927, Siazov, 1927, 1952, Klapperich 1960, 1961, Saluat 1947, Filipovich 1903, 1904, Kiritshenko 1914, Zarudnyi 1896, Aellen 1948, Robat 1971, Steinbeg 1955, Safavi 1946, Burumand and Pazuki 1978 and Abai 1973 collected.).

All specimens of hibernate population collected in southern slopes of Alborz in Tehran-Evin (loc. no. 123) in clumps and roots of *Astragalus* appear conspicuously smaller and more slender than other specimens collected in other localities in Iran or in Balkan peninsula.

From Iran previously recorded by Oshanin 1906 and 1912; N. Iran (Jakovlev 1877), N. Iran, Shah Abdul'Azim – Ragy (China 1938), N. Iran, Shahrud (Kiritshenko 1949), S.E. Iran, Baluchestan, Khash (Hoberlandt 1954), C. Iran, Esfahan province, Tusdan (Hoberlandt 1959), N. Iran, Tehran, C. Iran, Esfahan – Rahmatabad (Kiritshenko 1966), W. Iran, Kordestan, Akinlou (Wagner 1961), S. Iran, Fars, Gooch Sultan, Bashmaq, C. Iran, Jusdan near Esfahan (Brown 1966), C. Iran, Esfahan, W. Iran, Azarbaidjan, Tabriz, N. Iran, Gorgan province, Golestan, S.E. Iran, Baluchestan, Khash (Wagner 1968), S. Iran, Fars, Shiraz (Miyamoto 1963), N. Iran, Central province, Varamin, Tehran, Menjil, Safid Rud, Gorgan province, Belokali, W. Iran, Hamadan, S. Iran, Fars, Abadeh (Ghauri 1977).

Species of East-Mediterranean distribution, is S.W. Asia recorded from Israel, Syria, Turkey, Iraq, Iran; Transcaucasia and Caucasus, in Middle Asia recorded from Turkomanistan (Kopet Dagh).

***Apodiphus pallidus* (Hoberlandt, 1959)**

1 ♀ – E. Iran, Kerman province, Chashmah-ye Sargaz, 50 km. W. of Sabzevaran, 1650 m., 20.-21.5.1977 (loc. no. 339), 1 ♂ – S.E. Iran, Kerman province, Shahdad, 670 m., 31.5.-1.6.1977 (loc. no. 353), watered oasis in desert of South Lut. Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♀ – S.E. Iran, Kerman, 30.5.1978 Siazov collected.

In Iran previously recorded from S.E. Iran, Kerman province, Shahdad, Hoberlandt 1959 (as *Neonevisanus pallidus* Hob.), S. Iran, Fars, Navabghan (Darab), Wagner 1968 (as *Neonevisanus pallidus* Hob.), S.E. Iran, Baluchestan, Khash, Saravan, S. Iran, Abbassi, Ghosre 100 km. N. of Bandar Abbas, S. Iran, Fars, Djahrom (Kiritshenko 1966) (as *Apodiphus siazovi* Kirit.), Iran, Segucha (Ghauri 1977).

Sarju eremica (Hoberlandt, 1959)

8 ♂♂ and 4 ♀♀ – S. Iran, Fars, Fassa, 9.7.1970 (loc. no. 50), 1 – S. Iran, Abbassi, Faryab, Rud-e Rudan, 350 m., 17.–18.5.1973 (loc. no. 201), 1 ♂ and 3 ♀♀ – S. Iran, Abbassi, 16 km. N. of Jask 22.–23.5.1973 (loc. no. 203), 1 ♀ – S.E. Iran, Kerman province, Sabzevaran, 17.5.1977 (loc. no. 336), 1 ♂ and 2 ♀♀ – S. Iran, Kerman province, Chashmeh-ye Sargaz, 1650 m., 50 km. W. of Sabzevaran, on the road Sabzevaran – Esfandagheh, 19.–20.5.1977 (loc. no. 339). Collected on the Almond-trees. Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ – S.E. Iran, Kerman province, Sabzevaran (Djiroft), 17.10.1956 Safavi collected.

In Iran previously recorded from S.E. Iran, Baluchestan, Sarbaz (type locality), Hoberlandt 1959 (as *Dalpada eremica* Hob.), E. Iran, Kerman province, Bijinabad, Beccari and Fenili 1960, Ghauri 1979, E. Iran, Kerman province, Bam, S.E. Iran, Baluchestan, Saravan, S. Iran, Fars, Djahrom, Kiritschenko 1966.

Species of Eremian distribution, recorded from S.E. and S. Iran, Afghanistan and Pakistan.

Halys persa Bergroth, 1919

1 ♀ – S.E. Iran, Baluchestan, Bahu-Kalat, 68 km. S. of Rask, 3.–4.4.1973 (loc. no. 147), 1 ♀ – S.E. Iran, Baluchestan, 13 km. S.S.E. of Nikshahr, valley of the river Nikshahr, 8.–9.4.1973 (loc. no. 152), 1 ♂ and 1 ♀ – S. Iran, Kerman province, 45 km. S. of Kahnuj on the road Minab – Sabzevaran, 540 m., 16.–17.5.1977 (loc. 334). Collected on trunks of Almond-trees. Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 4 ♂♂ and 5 ♀♀ – S.E. Iran, Baluchestan, Iranshahr, 23.–30.3.1949, 1 ♂ and 1 ♀ – S.E. Iran, Baluchestan, Bandar-e Chah Bahar, 9.4.1949 Scharif collected, 2 ♂♂ – S.E. Iran, Baluchestan, Zabol, 10.10.1961 Fenilli and Baccardi collected, 2 ♀♀ – S.E. Iran Baluchestan, Sib Sonran, 10.4.1950 Salavatian collected, 1 ♀ – S.E. Iran, Baluchestan, Zabol, 2.12.1960 Khiracher collected, 3 ♂♂ and 3 ♀♀ – S.E. Iran, Baluchestan, Iranshahr, 27.3.1964 Safavi collected, 1 ♂ – S.E. Iran, Baluchestan, Iranshahr, 23.–24.3.1969 Scharif collected.

In Iran previously recorded from S.E. Iran, Baluchestan, Karvandar-Bampur (type-locality), Bergroth 1919, Iranshahr, Seidenstücker 1957, Dashtiari, Saravan, Sib Sonran, Nikshahr, Hoberlandt 1959, E. Iran, Sistan, valley 120 km. W. of Zahedan, Kiritschenko 1966.

Species of Afghano-Iranian refugium, recorded only from Iranian Baluchestan and from Afghanistan.

Putshkov 1965 records from S.E. Iran (without exact locality) *Halys dentata* (Fab.), it is likely that this species in question is *Halys persa* Bergroth.

Note. According to M.S.K. Ghauri 1988 *Halys persa* Bergroth as well as another two species should not be considered as belonging to the genus *Halys* Fabricius.



Photo 3: S.E. Iran, Baluchestan, Tis, stony semi-desert, area below growth of *Ficus bengalensis*, type-locality of *Tisia gracilis* Hoberlandt (loc. no. 150). Photograph taken at 6th April 1973 (L. Hoberlandt).

***Carenoplistus acutus* (Signoret, 1880)**

1 ♂ – E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Barez, 1700 – 1750 m., 30.4.–3.5.1973 (loc. no. 186), 1 ♀ – S. Iran, Fars, E. Zagros, Sisakht, 2400 m., 13. and 16.6.1973 (loc. no. 240). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ and 1 ♀ – N.E. Iran, Khorasan, Bojnurd, 11.7.1947, Scharif collected. 1 ♂ – E. Iran, Kerman (without further data), Safavi collected.

Previous records from Iran: Signoret 1880, Oshanin 1906 and 1912; N.W. Iran, Azarbaidjan, Lake Rezaiyeh (Kiritshenko 1938), N. Iran, Central province, Karadj (Lindberg 1938), S.E. Iran, Baluchestan, Sarbaz (Hoberlandt 1954), N. Iran, Tehran, Shahriar (Hoberlandt 1959).

Species of Afghano-Iranian refugium, recorded from plains of Iran and Afghanistan.

***Tisia gracilis* Hoberlandt, 1993**

Tisia gracilis Hoberlandt, 1993, Folia Heyrovskyana 1 (2) : 15–18 (new genus and species)

1 ♀ – S.E. Iran, Baluchestan, Tis, 15 km. W. of Chah Bahar on Oman Sea,

6.4.1973 (loc. no. 150). Photo 3. Collected by the Czechoslovak-Iranian expedition.

This species has been collected in very fine deep loose loess-sand. Several specimens were "swimming" in the sand like water-boatmen. Their movements in the sand were so fast and incalculable that I was able to collect only one above mentioned specimen. The sandy locality of Tis was situated in sandy depression among large growth of *Ficus bengalensis*.

***Menaccarus ovalis* Puton, 1873**

1 ♂ – E. Iran, Kerman province, Mohammad-abad, 35 km. N.N.W. of Sabzevaran, 1800 m., on the road between Deh Bakri and Sabzevaran, 3.–5.5.1973 (loc. no. 187), dry river-bed in semidesert region. Collected by the Czechoslovak-Iranian expedition.

In Iran previously not recorded, first record.

Species of Eremian distribution, registered from Morocco, Algeria, Tunisia, Egypt, Syria, Israel and Middle Asia.

***Sciocoris (Sciocoris) deltocephalus* (Fieber, 1816)**

1 ♂ and 2 ♀♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 16.3.1973 (loc. no. 123), 2 ♂♂ – S. Iran, Abbassi, Kuh-e Geno, south slopes, 400 – 600 m., 1.–4.5.1977 (loc. no. 321), 1 ♀ – S. Iran, Kerman province, Chahmeh-ye Sargaz, 50 km. W. of Sabzevaran on the road Sabzevaran – Esfandagheh, 1650 m., 20.–21.5.1977 (loc. no. 339), 1 ♂ – S. Iran, Kerman province, Ferdows-e Esfandagheh, 2.5.1977 (loc. no. 340), 1 ♀ – N.E. Iran, Khorassan, Kuh-e Hezar Masjed, 25 km. S.W. of Kalt-e Naderi, 1600 m., 11.–12.6.1977 (loc. no. 363). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – S. Iran, Abbassi, Bandar Abbas, Rejvar, 23.4.1949, Esfandiari collected, 1 ♀ – S. Iran, Fars, Shiraz, 15.11.1949 Esfandiari collected, 1 ♂ – W. Iran, Central province, Arak, Ab-Barik, 10.11.1949 Nabizadah collected.

In Iran previously recorded from N. Iran, Ghorogh near Tehran (Hoberlandt 1949 and Brown 1966).

Species of East Mediterranean distribution, in S.W. Asia recorded from Turkey, Israel, Syria, Caucasus, Transcaucasia and in Middle Asia.

***Sciocoris (Sciocoris) kerzhneri* Wagner, 1965**

1 ♂ – N. Iran, Mazandaran, Beshahr, 25.7.1970 (loc. no. 72), 1 ♂ – S.E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Barez, 1700 – 1750 m., 30.4.–3.5.1973 (loc. no. 186), 1 ♂ – S. Iran, Fars, Nasqh-e Rostam, 20.–21.6.1973 (loc. no. 250), 1 ♀ – S. Iran, Fars, Golshan valley, vicinity of Golshan, 24.4.1977 (loc. no. 310), 3 ♂♂ and 1 ♀ – S. Iran Abbassi, Sogh-e tang, 6 km. W. of Geno, 410 m., 50 km. N. of Bandar Abbas, 7.–9.5.1977 (loc. no. 323). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – N. Iran, Central province, Varamin, 1.10.1948 Abbas Pour collected, 2 ♀♀ – N. Iran, Central province, Arak, Ab. Barik, 10.11.1949, Nabizadeh collected, 1 ♀ – N. Iran, Mazandaran, Shanak pass, Alborz, 1700 m.,

21.1.1962, Klapperich collected, 1 ♀ – N. Iran, Central province, Mardasht, 2400 m.,
22.12.1981, Abai collected.

In Iran previously recorded from N. Iran, Gorgan province, Shahkuh, Gorgan (Astrabad), Kuzluk (Wagner 1965).

Distribution: Iran.

Sciocoris (Sciocoris) consobrinus Kiritshenko, 1952

1 ♂ – S. Iran, Fars, Tang-e Chogan-e Olia, ruins of the Bishapur, 1000 m.,
10.6.1973 (loc. no. 233). Collected by the Czechoslovak-Iranian expedition.

In Iran previously not recorded, first record.

Species widely distributed in Middle Asia (Tajikistan, Kirghizia).

Sciocoris (Aposciocoris) lautus Horváth, 1903

1 ♀ – E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Barez, 1700 – 1750 m.,
20.4.–3.5.1973 (loc. no. 186), 1 ♀ – E. Iran, Kerman province, Mohammad-abad, 30
km. N.N.W. of Sabzevaran, 1600 m., on the road between Deh Bakri and Sabzevaran,
3.–5.5.1973 (loc. no. 187). Collected by the Czechoslovak-Iranian expedition.

From Iran previously not recorded, first record.

Recorded from Turkomanistan only.

Sciocoris (Aposciocoris) pictus Wagner, 1959

1 ♂ – N. Iran, Tehran-Evin, 1700 – 2000 m., 9.–10.3.1973 (loc. no. 123), 3 ♀ ♀ –
N. Iran, Central province, Alborz, Kandavan pass, south slope, 2780 m., 4.–9.7.1977
(loc. no. 395). Collected by the Czechoslovak-Iranian expeditions.

From Iran previously not recorded, first record.

Recorded from East Anatolia only.

Sciocoris (Aposciocoris) atifi Lodos, 1982

1 ♂ – C. Iran, Esfahan, 1620 m., 22.–24.6.1973 (loc. no. 256), 11 ♂ and 11 ♀ ♀ –
N. Iran, Central province, Rehstehe Kuh-e Alborz, south slopes of Kandavan pass,
2700 m., 4.–9.7.1977 (loc. no. 395), mountain steppe with grasses *Stipa*,
Hypericum, *Salvia*, *Marubium*, collected on the vegetation. Collected by the
Czechoslovak-Iranian expeditions.

In Iran previously not recorded, first record.

Species previously recorded only from Anatolia (Kilis, Siirt and Kahramanmaras (Afsin), Lodos 1982).

Sciocoris (Aposciocoris) safavii Hoberlandt, 1959

2 ♂ ♂ – W. Iran, Kordestan, Kermanshah, Sahneh, 8.8.1950 Safavi collected (ad-
ditional material to the original serie).

In Iran recorded from above mentioned locality only, an endemic species.

Sciocoris (Neosciocoris) modestus Horváth, 1903

1 ♂ – N. Iran, Central province, Robate-Tork, 28.6.1970 (loc. no. 34). Collected by the Czechoslovak-Iranian expedition.

In Iran previously not recorded, first record.

Species of Mediterranean distribution (North Africa).

Sciocoris (Neosciocoris) leprieuri Mulsant et Rey, 1866

1 ♂ – S. Iran, Abbassi, 17 km. N. of Rudan, Road tunnel No. 7, 15.5.1977 (loc. no. 331). Collected by the Czechoslovak-Iranian expedition.

From Iran not previously recorded, first record.

Mediterranean species, Morocco, Algeria.

Sciocoris (Neosciocoris) fumipennis Puton, 1881

1 ♂ – S. Iran, Fars, Ali-abad, 73 km. N.W. of Djahrom, wadi of the river Shur, 16.7.1970 (loc. no. 53), 1 ♂ and 1 ♀ – N. Iran, Central province, Alborz, Kuhhayeh Tochal, 2000 m., 18.–19.7.1970 (loc. no. 59), 1 ♀ – S. Iran, Fars, 13 km. E.S.E. of Kazerun, 9.6.1973 (loc. no. 231), 1 ♀ – N. Iran, Central province, Alborz, Kandavan pass, south slopes, 2780 m., 4.–9.7.1977 (loc. no. 395). Collected by the Czechoslovak-Iranian expeditions.

From Iran not previously recorded, first record.

Species of Mediterranean distribution, penetrating as far as Central Europe.

Sciocoris (Neosciocoris) remanei Wagner, 1965

1 ♀ – S.E. Iran, Baluchestan, 40 km. N.W. of Pashkuh between Fazlabad and Pashkuh, 20.3.1973 (loc. no. 129), 1 ♀ – S.E. Iran, Baluchestan, Tis, 6.–7.4.1973 (loc. no. 150), 1 ♂ – S.E. Iran, Baluchestan, valley of the river Pash mant Kowr near to the village Pish mant-e Kahur, 55 – 78 km. N.N.W. of Tis, 5.4.1973 (loc. no. 151), 3 ♀ – E. Iran, Kerman province, 33 km. W. of Sabzevaran, 1100 m., 6.–7.5.1973 (loc. no. 189), 1 ♂ – E. Iran, Kerman province, Gav Koshi near Esfandagheh, 60 km. W. of Sabzevaran, 1650 m., 7.–8.5.1973 (loc. no. 190), 1 ♂ and 3 ♀ – S. Iran, Kerman province, 24 km. S.S.W. of Hajiabad, 9.–10.5.1973 (loc. no. 194), 1 ♂ – S. Iran, Abbassi, Hassan Langi, 62 km. E. of Bandar Abbas, 16.–17.5.1973 (loc. no. 200), 2 ♂ and 1 ♀ – S. Iran, Abbassi, Issin, south slopes of Kuhha-ye Geno, 45 km. N.W. of Bandar Abbas, 25.5.1973 (loc. no. 213), 1 ♂ and 1 ♀ – S. Iran, Abbassi, 15 km. N.E. of Bandar-e Lengeh, Chah-kuh, 25.4.1977 (loc. n. 313), 3 ♂ and 1 ♀ – S. Iran, Abbassi, Issin, 28.4.–6.5.1977 (loc. no. 320), 1 ♀ – S. Iran, Abbassi, Minab, 13.5.1977 (loc. no. 328), 1 ♂ – S. Iran, Abbassi, Sanderk, S. of Bashagerd, 220 m., 12.–13.5.1977 (loc. no. 327), 2 ♂ – S. Iran, Kerman province, 33 km. S. of Sabzevaran, 17.5.1977 (loc. no. 335), 3 ♂ and 6 ♀ – S. Iran, Kerman province, Chashemh-ye Sargaz, 50 km. W. of Sabzevaran on the road Sabzevaran – Esfandagheh, 1650 m., 20.–21.5.1977 (loc. no. 339), 3 ♂ and 1 ♀ – S. Iran, Kerman province, Ferdows-e Esfandagheh, 21.5.1977 (loc. no. 340). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – S. Iran, Abbassi, Bashagerd, 20 km. E. of Sanderk, 300 m., 11.5.1977, Pazuki and Safavi collected.

In Iran previously not recorded, first record.

Eremian species, recorded from N.E. Nubia (Suakin), Red Sea, Israel (Erkowitz), Egypt, Erithrea (Zula), Somalia (Mogadisco).

Sciocoris (Neosciocoris) kiritshenkoi Wagner, 1965

1 ♀ – S. Iran, Abbassi, Issin, south slopes of Kuhha-ye Geno, 45 km. N.W. of Bandar Abbas, 25.5.1973 (loc. no. 213). Collected by the Czechoslovak-Iranian expedition.

In Iran previously not recorded, first record.

Hitherto recorded only from Middle Asia, Tajikistan.

Sciocoris (Neosciocoris) conspurcatus Klug, 1845

1 ♂ – N. Iran, Central province, Alborz, Kandavan pass, 3000 m., 11.8.1970 (loc. no. 87). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from E. Iran, Baluchestan, Zahedan and S.E. Iran, Kerman province, Sabzevaran (Jiroft) by Kiritshenko 1966.

Species of wide Mediterranean distribution, in S.W. Asia recorded from Syria and Israel.

Sciocoris (Parasciocoris) capitatus Jakovlev, 1881

1 ♂ – S. Iran, Fars, Shiraz, 4.7.1970 (loc. no. 42), 1 ♂ and 1 ♀ – S. Iran, Fars, Aliabad, 75 km. N.W. of Jahrom, wadi of the river Shur, 10.7.1970 (loc. no. 53), 1 ♂ and 2 ♀♀ – N. Iran, Central province, Alborz, Kuhhayeh Tochal, 2000 – 2500 m., 18.–19.7.1970 (loc. no. 59), 3 ♂♂ and 1 ♀ – N. Iran, Central province, Tehren-Evin, 1700 – 2000 m., 9.–10.3.1973 (loc. no. 123), 1 ♀ – E. Iran, Sistan, 3 km. W. of Nosrat-abad, 23.4.1973 (loc. no. 174), 1 ♀ – S. Iran, Fars, Fassa, 30.5.1973 (loc. no. 222), 1 ♀ – S. Iran, Fars, Lake Maharlu, south bank, 5.–6.6.1973 (loc. no. 227), 1 ♂ – S. Iran, Fars, 10 km. W. of Shiraz on the road Shiraz – Kazerun, 8.6.1973 (loc. no. 228), 1 ♀ – N.E. Iran, Khorassan, Assadli, 30 km. S. of Bojnurd, 1970 m., 17.–18.6.1977 (loc. no. 374), 1 ♀ – N. Iran, Central province, 8 km. N.E. of Ziaran, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – N. Iran, Central province, Karadj, 27.4.1970, Sabzevari collected.

In Iran previously recorded from North Iran, Shahrud (Jakovlev 1881, Oshanin 1906 and 1912, Wagner 1965) and S. Iran, Fars, Dasht-e Arzhan, 60 km. W. of Shiraz (Wagner 1968).

Species of Irano-Turanian distribution, recorded from Iran, Afghanistan, Middle Asia (Turkomanistan, Tajikistan, Uzbekistan, Kirghizia), Kazakhstan and Transcaucasia.

Sciocoris (Parasciocoris) denticeps Wagner, 1965

2 ♀♀ – S. Iran, Fars, Ali-abad, 75 km. N.W. of Djahrom, wadi of the river Shur, 10.7.1970 (loc. no. 53), 3 ♂♂ – N. Iran, Tehran-Evin, 1700 – 2000 m., 16.3.1973 (loc. no. 123), 1 ♂ – S.E. Iran, Baluchestan, 9 km. S. of Espakeh, 10.4.1973 (loc. no. 155), 1 ♀ – E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Barez, 1700 – 1750 m., 30.4.–3.5.1973 (loc. no. 186), 1 ♀ – S. Iran, Kerman province, 55 km., S. of Hajiabad, west slope of Kuh-e Surmeh, 2000 m., 10.5.1973 (loc. no. 195), 2 ♂♂ and 1 ♀ – S. Iran, Fars, 13 km., S.S.E. of Kazerun, 9.6.1973 (loc. no. 231). Collected by the Czechoslovak-Iranian expeditions.

In Iran previously not recorded, first record.

Previously recorded from Tajikistan in Middle Asia. Species of Irano-Turanian distribution.

Sciocoris (Parasciocoris) pallens Klug, 1845

1 ♂ – N. Iran, Central province, Robate-Tork, 20.6.1970 (loc. no. 34). Collected by the Czechoslovak-Iranian expedition.

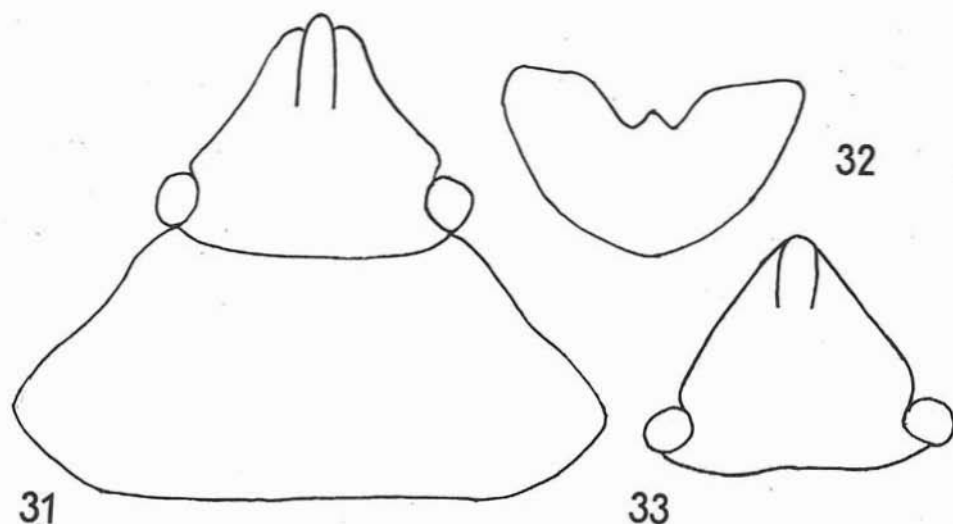
From Iran previously not recorded, first record.

Species of East-Mediterranean distributin.

Sciocoris (Parasciocoris) sahlbergi Wagner, 1952

1 ♂ – S. Iran, Fars, Shiraz, 4.7.1970 (loc. no. 42), 5 ♀♀ – S. Iran, Fars, Ali-Abad, 75 km. N.W. of Djahrom, wadi of the river Shur, 10.7.1970 (loc. no. 53), 2 ♂♂ and 4 ♀♀ – N. Iran, Central province, Alborz, Tochal, 2000 m., 18.–19.7.1970 (loc. no. 59), 1 ♂ and 1 ♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 14.3.1973 (loc. no. 123), 1 ♀ – S.E. Iran, Baluchestan, 13 km. S.S.E. of Nikshahr, valley of the river Nikshahr, 8.–9.4.1973 (loc. no. 152), 2 ♀♀ – E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Barez, 1700 – 1750 m., 30.4.–5.5.1973 (loc. no. 186), 1 ♀ – E. Iran, Kerman province, Mohammad-abad, 35 km. N.W.N. of Sabzevaran, on the road between Deh Bakri and Sabzevaran, 3.–5.5.1973 (loc. no. 187), 2 ♂♂ – S. Iran, Kerman province, 55 km. S. of Hajiabad, west slope of Kuh-e Surmeh, 2000 m., 10.5.1973 (loc. no. 195), 1 ♀ – S. Iran, Abbassi, Minab, 19.–20.5.1973 (loc. no. 203), 1 ♀ – S. Iran, Kerman province, 5 km. E. of Furk on the road Hajiabad – Darab, 900 m., 28.5.1973 (loc. no. 217), 1 ♂ and 1 ♀ – S. Iran, Fars, 13 km. E.S.E. of Kazerun, 9.6.1973 (loc. no. 231), 1 ♀ – S. Iran, Abbassi, Kuh-e Geno, 1600 – 2100 m., 5.5.1973 (loc. no. 322), 1 ♀ – S. Iran, Abbassi, Bagh-e Tang, 6 km. of Geno, 410 m., 50 km. N. of Bandar Abbas, 7.–9.5.1977 (loc. no. 323), 1 ♀ – S. Iran, Abbassi, Sanderk, S. of Bashagerd, 220 m., 12.–13.5.1977 (loc. no. 327), 1 ♂ and 3 ♀♀ – S. Iran, Abbassi, 17 km. N.E. of Rudan, road tunnel No. 7, 15.5.1977 (loc. no. 331), 1 ♂ – N. Iran, Central province, Alborz, 8 km. N.E. of Ziaran, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ – S. Iran, Fars, Djahrom, 22.11.1957 Safavi collected, 1 ♀ – S. Iran, Abbassi, Bagh-e Tang, north slope of Kuh-e Geno, 410 m.,



Figs. 31–33: *Aeliomorpha pazukii* sp. n. (male-holotype). Fig. 31: head and pronotum, fig. 32: pygophore, seen from behind. Fig. 33: *Aeliomorpha gazana* Dist.: head.

7.–8.5.1977 Pazuki collected.

In Iran previously not recorded, first record.

Eremian species recorded from Israel, Syria, Turkey, Egypt, Sudan, Lybia, Is. Lesbos and Afghanistan.

***Dorpius indicus* Distant, 1900**

1 ♀ – S.E. Iran, Baluchestan, Ghasenabad, valley of the river Bampur, 10 km. E. of Bampur, 11.–12.4.1973 (loc. no. 157). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ – S.E. Iran, Baluchestan, Pishin, 1.4.1950 Makoui collected.

In Iran previously not recorded, first record.

Species of Eremian distribution, recorded from S. Pakistan, Sind and Punjab. I. Ahmad and S.M.A. Kazmi (1976) described from S. Pakistan an another species *Dorpius lobatus* Ahmad and Kazmi.

***Aeliomorpha pazukii* sp. n.**

(Figs. 31–33)

Male. Length of body 5.8 mm., maximum width across pronotum 3.44 mm. Head: length 1. mm., width across eyes 1.96 mm. Antennae: 0.24 mm, 0.24 mm., 1.12 mm., 1.12 mm., 1.08 mm. Pronotum: length 1.52 mm., width 1.52 mm., width 3.44 mm.

Scutellum: length 2.16 mm, width 2. mm.

Shape of the body broadly ovate, 1.7 times as long as broad, apically moderately and regularly narrowed, general colour of the body dark and pale olivaceous with yellowish markings, smooth with brown puncturation.

Head 1.96 times across eyes as broad as long, anteriorly declivous, lateral margins in the middle sinuate, paraclypeal lobes apically oblique tapering, clypeus moderately projecting beyond paraclypeal lobes, lateral margins of head narrowly lamellate. Upper surface of head smooth, head pale olivaceous in the middle along the whole length with broad irregular dark drawing, puncturation in dark area dark, in pale areas more or less colourless. Eyes sessile, globular. Ocular index 3.15. Bucculae low, occupying the whole length of lower part of head, in the middle sinuate, anteriorly narrowed, posteriorly roundish, slightly projecting backwards, sparsely punctured. Rostrum robust, reaching the anterior part of fourth ventrite. Lower part of head with brown punctures. Antennae long, 1.1 times longer than the width of pronotum, thick, antennal segments linear, pale grayish green, first and fourth segments darker, pale pubescence short, second segment scarcely separated. Relative lengths of antennal segments 6 : 6 : 28 : 28 : 27.

Pronotum 2.3 times broader than long, disc slightly arched, lateral margins slightly narrowed anteriorly, anterior margin moderately sinuate, posterolateral angles narrowly rounded, posterior margin straight. Pronotum pale olivaceous, in the middle with longitudinal narrow pale callous stripe, lateral margins broadly yellowish. Disc of pronotum in anterior third with two plain concolorous cicatrices, surface with dense regular large plain punctures. Scutellum triangular, 1.1 times as long as broad, lateral margins straight, apex broadly rounded, disc of scutellum dark olivaceous, in the middle with narrow longitudinal pale stripe, lateral parts of scutellum broadly yellow, puncturation similar to that of pronotum. Lateral margins of hemelytra regularly rounded, puncturation of mesocorium similar to that of scutellum, exocorium yellowish. Legs yellow with sparse pale long hairs. Sternum yellow in upper part brown, regularly punctured, metasternal scent gland openings small, narrow, parallel to anterior margin. Venter yellow, below in the middle with large triangular brown spot occupying all ventral segments, laterally on each side with brown current broad band, areas of spiracles yellow. Venter regularly punctured. Connexivum pale olivaceous with dark puncturation.

Terminal margin of pygophore broadly and deeply roundedly excavated, in the middle below with distinct triangular process.

Female not known.

Etymology: named for Eng. Ali Pazuki from the Plant Pests and Diseases Research Institute, Tehran-Evin, member of Iranian staff of the Third expedition.

Male - holotype: S.W. Iran, Bushehr province, Shahbankareh, 20 km. N.W. of Borazjan on the road between Bandar Genaveh and Borazjan, 70 m., 16.4.1977 (loc. no. 297), swept in the claysh semi-desert with predominant growth of *Salvia aegyptiaca*. Collected by the Czechoslovak-Iranian expedition.

Aeliomorpha pazukii sp. n. is allied to South African species *Aeliomorpha gazana* Distant, 1910 and the following complex of features differentiates them:

Aeliomorpha pazukii sp.n.

Length 5.8 mm. (male)

Head across eyes shorter, 1.96 times as broad as long, lateral margins slightly narrowed, paraclypeal lobes apically oblique, tapering.

Pronotum uniformly pale olivaceous without median dark spot, however in the middle with narrow longitudinal yellow stripe.

Cicatrices on the pronotum plain, obsoletely delimited.

Scutellum apically broadly rounded, disc of scutellum dark olivaceous in the middle with narrow longitudinal callous pale stripe, scutellar margins along the whole length broadly yellowish.

Mesocorium dark, exocorium pale olivaceous.

Connexivum uniformly yellowish with dark puncturation.

Puncturation of upper surface sparse, rather plain.

Terminal margin of pygophore broadly and deeply roundedly excavated, in the middle below with distinct triangular process.

Aeliomorpha gazana Distant

Length 6.32 mm (male)

Head longer, 1.45 times as broad as long, distinctly narrowed anteriorly, paraclypeal lobes apically conspicuously narrowed.

Pronotum in the middle and posteriorly with large dark marking, the remaining parts pale brownish.

Cicatrices on the pronotum elevated, sharply delimited.

Scutellum apically narrowly roundish, disc of scutellum yellowish, lateral margins in anterior half narrowly dark, apex with small dark spot.

Hemelytra uniformly dark.

Connexivum brownish, inner margin and posterior fourth of each segment blackish.

Puncturation of upper surface more dense and deep.

Terminal margin of pygophore trapezoid excavated, margins of excavation nearly straight, lower part without process.

In S.W. Asia there are registered four further species of the genus *Aeliomorpha*: *A. pumila* (Stal, 1853) – Saudi Arabia (Sudan), *A. lineaticollis* (Westwood, 1837) – Israel, Afghanistan (S. India), *A. fletcheri* Distant, 1910 – Afghanistan (S. India, Ceylon), *A. sheanensis* Linneavuori 1965 – Israel.

***Aelia melanota* Fieber, 1868**

1 ♂ and 1 ♀ – N. Iran, Mazandaran, Robate-Ghareh Bil, east part of Wildlife

Park, 1000 m., 30.7.1970 (loc. no. 78), 1 ♀ – N. Iran, Mazandaran, Bandare Shah, 1.8.1970 (loc. no. 79), 80 ♂♂ and 112 ♀♀ – N. Iran, Tehran-Evin, 14.3.1973 (loc. no. 123), 1 ♂ and 1 ♀ – 26.6.1973 (loc. no. 260), 1 ♂ – N. Iran, Central province, Alborz, Tochal, 3500 m., 30.6.1973 (loc. no. 262), Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ N. Iran, Varamin, 22.9.1958 Safavi collected.

In Iran previously recorded from N. Iran, Gorgan (Kiritshenko 1949, Wagner 1968), W. Iran, Azarbaijan, Maku, Marand, Tabriz, Mianeh; N. Iran, Central province, Ghazvin, Ghorogh, Gharaghadj, Varamin, Karimabad, Hydarabad; Gorgan province, Ghonbad-e Ghabus; S.E. Iran, Baluchestan, Bampur (Brown 1962, 1966).

Species of Irano-Turanian distribution, recorded from Transcaucasia, Transcaspiya, N. Kirghizia, Kazakhstan, N. Iran, Middle Asia and Afghanistan.

***Aelia furcula* Fieber, 1868**

2 ♂♂ and 3 ♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 14.3.1973 (loc. no. 123), 1 ♂ – S. Iran, Fars, E. Zagros, 28 km. N. of Massiri, 1650 m., 12.6.1973 (loc. no. 236). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 2 ♂♂ and 2 ♀♀ – W. Iran, Kordestan, Hamadan, 24.10.1958 Safavi collected, 1 ♀ – N. Iran, Central province, Alborz, Shanak pass, 1700 m., 9.11.1962 Klapperich collected.

In Iran previously recorded from W. Iran, Kordestan, Akinlou (Wagner 1961); S. Iran, Fars, Dasht-e arzan, 60 km. N. of Shiraz; W. Iran, Kordestan, Hamadan – Doulatabad (Wagner 1968); W. Iran, Azarbaijan, Bazargan, Zanjan; N. Iran, Central province, Ghazvin, Gharaghadj, Varamin, Galet, Shahabad; S. Iran, Fars, Shiraz; W. Iran, Kordestan, Hamadan (Brown 1962, 1966).

Species of East-Mediterranean distribution, ranging in region of lower Volga, adjacent regions of Azov Sea, Greece, Anatolia, Caucasus, Iran, southern parts of European part of Russia, Middle Asia, Kazakhstan and Afghanistan (Hoberlandt 1984 – erroneously mentioned as „*furcata*“).

***Aelia rostrata* Boheman, 1872**

1 ♀ – S. Iran, Fars, E. Zagros, 29 km. N. of Yassuj and 10 km. N.W. of Karun, 2300 m., 16.–17.6.1973 (loc. no. 245). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from N.W. Iran, Azarbaijan, Bazargan and Gilan, Dhalaftu near Ardabil (Brown 1962).

Species of European distribution, ranging to Anatolia and Iran and Transcaucasia.

***Aelia acuminata* (Linnaeus, 1758)**

1 ♀ – N.W. Iran, Azarbaijan, Maku, 19.–20.6.1970 (loc. no. 24), 1 ♀ – N. Iran, Central province, Robat-e Tork, 29.6.1970 (loc. no. 34), 1 ♂ and 1 ♀ – N. Iran, Mazandaran, Feyzabad, 25 km. E. of Gorgan, 27.7.1970 (loc. no. 75), 2 ♀♀ – N. Iran, Gorgan province, Wildlife Park, vicinity of Dasht, 650 m., 27.–30.7.1970 (loc. no. 77),

1 ♀ – N. Iran, Mazandaran, Bandare Shah, 1.8.1970 (loc. no. 79), 1 ♂ – N. Iran, Tehran-Evin, 1700 – 2000 m., 16.3.1973 (loc. no. 123), 1 ♂ and 1 ♀ – E. Iran, Kerman province, Mohammad-abad, 35 km. N.N.W. of Sabzevaran, 1600 m., 3.–5.5.1973 (loc. no. 187), 2 ♂♂ and 6 ♀♀ – N. Iran, Tehran-Evin, 26.6.1973 (loc. no. 260), 1 ♀ – S. Iran, Fars, Asalooeyeh, 23.4.1977 (loc. no. 308), 1 ♀ – S. Iran, Kerman province, Chashmeh-ye Sargaz, 50 km. W. of Sabzevaran on the road Sabzevaran – Esfandagheh, 1650 m., 20.–21.5.1977 (loc. no. 339), 1 ♂ and 1 ♀ – N. Iran, Central province, Hashtgerd on the road Karadj – Ghazvin, 19.7.1977 (loc. no. 399). Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded by Oshanin 1906 and 1912; N. Iran, Gorgan province, Aliabad, Shahiasane – Shahrud, Gorgan (Kiritshenko 1949); N. Iran, Central province, Yusefabad Sur, Aliabad, Varamin, Karimabad, Asfarin (Brown 1962); N. Iran, Mazandaran, Nowshahr; Central province, Varamin (Wagner 1968).

Species of Euro-Siberian distribution, widely distributed in S.W. Asia and Middle Asia.

***Aelia satunini* Kiritshenko, 1929**

1 ♀ – N.W. Iran, Azarbaijan, 20 km. S.E. of Marand, 5.–6.7.1973 (loc. no. 266). Collected by the Czechoslovak-Iranian expedition.

From Iran previously not recorded, first record.

Recorded from N.E. Anatolia, Transcaucasia and N. Iraq.

***Aelia punctiventris* Horváth, 1911**

1 ♂ – N. Iran, Gilan, Sheykh Mahallen (Assalem), 160 m., 28.6.–3.7.1977 (loc. no. 390), wet subtropical Hyrcanian forest. Collected by the Czechoslovak-Iranian expedition.

From Iran previously not recorded, first record.

East Mediterranean, known from Egypt.

***Aelia turanica* Horváth, 1895**

1 ♂ – E. Iran, Kerman province, 33 km. S. of Sabzevaran, 17.5.1977 (loc. no. 335), 1 ♀ – N. Iran, Central province, Alborz, Kandavan pass, south slopes, 2730 m., 4.–9.7.1977 (loc. no. 395). Collected by the Czechoslovak-Iranian expedition.

From Iran previously recorded by Putshkov 1965 (without exact locality).

Species of Irano-Turanian distribution, recorded from Anatolia, Iran, N. Iraq, Middle Asia, Kirghizia.

***Aelia virgata* (Klug, 1841)**

1 ♀ – N. Iran, Gholhak near Tehran, 1750 m., 9.–23.6.1961 Klapperich collected. 2 ♂♂ and 1 ♀ – W. Iran, Kordestan, Hamadan, 24.10.1958 Safavi collected.

In Iran previously recorded from N. Iran, Central province, Gharaghadj, Varamin; W. Iran, Kordestan, Kermanshah, Shahabad near Hamadan, Dolatabad, Yengedjeh;

S. Iran, Fars, Rahmat Mts, Kartakon near Darab (Brown, 1962, 1966); W. Iran, Kordestan, Hamadan-Dolatabad (Wagner 1968).

Species of East-Mediterranean distribution, in S.W. Asia recorded from Anatolia, Syria, Israel and Iran; Transcaucasia.

***Neottiglossa irana* Wagner, 1964**

2 ♂♂ and 1 ♀ – N. Iran, Gorgan province, Wildlife Park, vicinity of Dasht, 650 m., 27.–30.7.1970 (loc. no. 77). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 2 ♂♂ – N. Iran, Gorgan, 20.5.1957 Safavi collected.

Species recorded only from Iran: N. Iran, Gorgan (Astrabad) by Wagner 1964.

***Neottiglossa bifida* Costa, 1847**

1 ♀ – S.E. Iran, Baluchestan, 30 km. N. of Bampur, on the road between Bampur and Bazman, 12.–13.4.1973 (loc. no. 159). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ and 1 ♀ – N. Iran, Gorgan, 20.5.1957 Safavi collected.

In Iran previously not recorded, first record.

Species of wide Mediterranean distribution, in S.W. Asia recorded from Anatolia.

***Stagonomus devius* Seidenstücker, 1965**

1 ♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 14.3.1973 (loc. no. 123), 1 ♂ and 2 ♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 2.7.1973 (loc. no. 276), 1 ♂ – N. Iran, Central province, Alborz, 8 km. N.E. of Ziarn, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 2 ♂♂ and 1 ♀ – N. Iran, Alborz, Gholhak near Tehran, 1600 m., 9.–13.6.1961 Klapperich collected.

In Iran previously recorded from N. Iran, Tehran and N.E. Iran, Khorassan, Shahrud, Seidenstücker 1965.

Species recorded from Anatolia (Ankara – Cubuk baraji, type locality), Armenia (Erevan) and Syria.

***Stagonomus bipunctatus* (Linnaeus, 1758)**

1 ♀ – N.W. Iran, Azarbaidjan, 21 km. E. of Marand, 18.8.1970 (loc. no. 98), 1 ♂ – N. Iran, Tehran-Evin, 1700 – 2000 m., 14.3.1973 (loc. no. 123), 1 ♂ – N. Iran, Tehran-Evin, 1700 – 2000 m., 2.7.1973 (loc. no. 276). Collected by the Czechoslovak-Iranian expeditions.

From Iran recorded by Wagner 1964 (without exact locality).

Species of Holomediterranean distribution penetrating into Central Europe, in S.W. Asia recorded from Anatolia, Israel, Syria, Iran; Transcaucasia, Caucasus; Tajikistan.

Stagonomus amoenus (Brullé, 1832)

1 ♂ – E. Iran, Kerman province, 33 km. W. of Sabzevaran, 1100 m., on the road Sabzevaran – Esfandagheh, 6.–7.5.1973 (loc. no. 189), 1 ♂ – S. Iran, Kerman province, Chashmeh-ye Sargaz, 50 km. W. of Sabzevaran, 1650 m., 21.5.1977 (loc. no. 339). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ and 1 ♀ – N. Iran, Central province, Varamin, 29.2.1945 Ehlidi collected.

In Iran previously recorded from N. Iran, Karadj (Lindberg 1938), Gorgan (Kiritshenko 1949), N. Iran, Gilan, Moghan, Pile-Savar (Hoberlandt 1954), Firuzabad (Wagner 1968). Iran (Oshanin 1906 and 1912 as *Stagoomonus italicus* Gmelin).

Species of Holomediterranean distribution, in S.W. Asia recorded from Anatolia, Syria, Israel, Iraq, Iran; Transcaucasia, Caucasus; Middle Asia and Afghanistan.

Eysarcoris ventralis Westwood, 1857

2 ♂♂ – N. Iran, Mazandaran, Babol- Shahi, 24.7.1970 (loc. no. 70), 4 ♂♂ and 5 ♀♀ – N. Iran, Mazandaran, Shahi, 24.7.1970 (loc. no. 71), 1 ♀ – N. Iran, Gorgan province, Robate-Ghozlog, 10 km. S. of Gorgan, 300 m., 26.7.1970 (loc. no. 74), 3 ♂♂ and 4 ♀♀ – N. Iran, Mazandaran, Abbas-abad, 11.8.1970 (loc. no. 88), 1 ♀ – N.W. Iran, Azarbaidjan, 25 km. S.S.E. of Mianeh, 4.3.1973 (loc. no. 120), 1 ♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 16.3.1973 (loc. no. 123), 1 ♀ – S.E. Iran, Baluchestan, Tis, 6.–7.4.1973 (loc. no. 150), 10 ♂♂ and 7 ♀♀ – S. Iran, Abbassi, Issin, south slopes of Kuhha-ye Geno, 45 km. N.W. of Bandar Abbas, 11.–15.5.1973 (loc. no. 198), 1 ♂ – S. Iran, Abbassi, Minab, 19.–20.5.1973 (loc. no. 203), 1 ♀ – S. Iran, Abbassi, 20 km. S.E. of Minab, 21.5.1973 (loc. no. 204), 2 ♂♂ and 2 ♀♀ – S. Iran, Kerman province, 5 km. N. of Furk on the road Hajiabad. –Darab, 900 m., 28.5.1973 (loc. no. 217), 2 ♂♂ and 2 ♀♀ – S. Iran, Fars, Tang-e Chogan-e Olia, ruins of Bishapur, 1000 m., 10.5.1973 (loc. no. 233), 1 ♀ – S. Iran, Fars, Tang-e Chang-e Olia, valley, 10.–11.6.1973 (loc. no. 234), 2 ♂♂ and 1 ♀ – S.W. Iran, Lorestan, 10 km. W. of Babazaid between Malavi and Pol-e Dohtar, 880 m., 9.–10.4.1977 (loc. no. 283), 2 ♀♀ – S.W. Iran, Khuzestan, Molassani, 45 km. N.W. of Ahwaz, 30 m., 13.–14.4.1977 (loc. no. 288), 1 ♀ – S. Iran, Bushehr province, 12 km. N.W. of Kangan, 70 m., 21.–22.4.1977 (loc. no. 305), 3 ♂♂ and 3 ♀♀ – S. Iran, Abbassi, Issin, 28.4. – 6.5.1977 (loc. no. 320), 1 ♂ – S.E. Iran, Kerman province, Shahdad, 670 m., 31.5.–1.6.1977 (loc. no. 353), 8 ♂♂ and 18 ♀♀ – E. Iran, Sistan, Kuh-e Khajeh, 490 m., 3.–5.6.1977 (loc. no. 357), 1 ♂ and 1 ♀ – N. Iran, Mazandaran, Duk forrest, 10 km. N. of Beshahr, 480 m., 23.–24.6.1977 (loc. no. 380), 3 ♀♀ – N. Iran, Gilan, Sheykh Mahalleh (Assalem), 160 m., 28.6.1977 (loc. no. 390). Collected by the Czechoslovak- Iranian expeditions.

Further material examined: 1 ♀ – E. Iran, Sistan, Zabol, 29.3.1940 Mirzayans collected; 2 ♂♂ and 2 ♀♀ – N. Iran, Mazandaran, Ramsar, 27 m., 6.–9.8.1960, 8 ♂♂ and 7 ♀♀ – Bandar Pahlavi, 24.7.1961, 3 ♂♂ and 5 ♀♀ – Nowshahr, 5.7.1961, 8 ♂♂ and 14 ♀♀ – N. Iran, Gilan, Lahijan, 160 m., 23.6.1961 Klapperich collected.

In Iran previously recorded from N. Iran, Gorgan and from shore of Caspian Sea,

(Jakovlev 1877); N. Iran, Central province, Varamin, N. Iran, Mazandaran, Shahi, S. Iran, Abbassi, Jask (Hoberlandt 1954), S.E. Iran, Kerman, N. Iran Gilan, Lahijan (Wagner 1961), N. Iran, Gilan, Rasht (Seidenstücker 1957, Wagner 1968), N. Iran, Mazandaran, Nowshahr (Wagner 1968), S. Iran Abbassi, Minab, S.E. Iran, Baluchestan, Bampur (Kiritshenko 1966). Oshanin 1906 and 1912.

Species of Mediterranean origin extending far into Oriental and Ethiopian region, in S.W. Asia recorded from Anatolia, Israel, Syria, N. Iraq, Iran, Afghanistan, Caucasus and Transcaucasia, in Middle Asia.

***Staria lunata* (Hahn, 1835)**

1 ♀ – N. Iran, Gorgan province, Golestan forest, Mazarli, 20 km. N.W. of Dasht, 530 m., 19.–21.6.1977 (loc. no. 376). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from Gorgan (Jakovlev 1877, 1880, Oshanin 1906, 1912), Shahiasdane – Shahrud (Kiritshenko 1949), N. Iran, Mazandaran, Bastam, Gilan, Firuzabad (Wagner 1968).

Species of Holomediterranean distribution, extending into broad-leaf woodland zone of Central Europe; in the Middle East recorded from Anatolia, Israel, Iran; Transcaucasia, Caucasus.

***Cnephosa flavomarginata* Jakovlev, 1880**

2 ♂♂ and 2 ♀♀ – N. Iran, Central province, Alborz, 8 km. N.E. of Ziarn, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♀ – N. Iran, Central province, Rud-hand, Dalidjai, 14.7.1948 Aellen collected; 4 ♀♀ – N. Iran, Central province, Varamin, 4.8.1952, 3 ♂♂ and 4 ♀♀ – Varamin, 22.9.1956 Safavi collected.

In Iran previously recorded from N. Iran, Shahku (Jakovlev 1880), W. Iran, Kermanshahan, Ilam, Kara-dag; Azarbaidjan, Savalan, Lake Rezayeh (Kiritshenko 1938); S. Iran, Fars, Shiraz (Hoberlandt 1954); N.W. Iran, Azarbaidjan, Tazekand; S.W. Iran, Kermanshahan, Doulatabad (Wagner 1968); W. Iran, Kordestan, Akinlou (Wagner 1961); E. Iran, Kerman province, Darab, Kartekon (Brown 1966); N. Iran, Central province, Karadj (Lindberg 1938). Oshanin 1906.

Species of Endemic distribution, restricted to the high mountain area of S.W. Asia; recorded from Anatolia, Caucasus, Transcaucasia and plains of Iran.

***Gomphocranum christophi* Jakovlev, 1877**

1 ♂ – S.E. Iran, Kerman province, Sabzevaran, 17.5.1977 (loc. no. 336). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from N. Iran, Gorgan province, Shahrud, (Jakovlev 1877, Linnavuori 1984); S.E. Iran, Kerman province, Ghahkom S. of Hajiabad (Kiritshenko 1966, Linnavuori 1984). N. Iran (Oshanin 1906, 1912).

Species recorded only from Iran, Afghanistan, Iraq and Israel.

Risibia mimula Kiritshenko, 1911

3 ♂♂ and 5 ♀♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 10.3.1973, (loc. no. 123), 1 ♂ – S. Iran, Fars, Mian Jangal, 30.5.1973 (loc. no. 223), 1 ♂ – N.W. Iran, Azarbaijan, 30 km. N.W. of Mianeh, 5.7.1973 (loc. no. 265). Collected by the Czechoslovak-Iranian expedition.

From Iran previously not recorded, first record.

Recorded from Middle Asia and Afghanistan.

Risibia christophi (Jakovlev, 1885)

2 ♂♂ – N. Iran, Central province, Karadj, 3 km. N. of Dam, 1650 m., 10.8.1970 (loc. no. 85). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 2 ♀♀ – N. Iran, Central province, Gharaghadj, 12.9.1947 Omid collected, 1 ♀ – N.W. Iran, Azarabaidjan, Tabriz – Gharakhman, 1600 m., 16.7.1976 Burumand and Pazuki collected.

In Iran previously recorded from N. Iran, Central province, Gharaghadj (Hoberlandt 1954, Brown 1966).

Species in its distribution restricted to mountains and plains (Ekbaz) of Anatolia, N. Iran and Transcaucasia (Armenia).

Rhombocoris regularis (Herrich-Schäffer, 1851)

3 ♂♂ and 5 ♀♀ – N. Iran, Central province, Alborz, Kuhhayeh Tochal, 3500 m., 30.6.1973 (loc. no. 262), 3 ♀♀ – N. Iran, Central province, Kandavan pass, south slope, 2780 m., 4.–9.7.1977 (loc. no. 395), 4 nymphs – N. Iran, Central province, Alborz, 8 km. N.E. of Ziari, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded from N. Iran (Kiritshenko 1938); N.W. Iran, Azarbaijan, Ardabil (Hoberlandt 1954), Mts. Salavan (Wagner 1968).

Species up till now recorded from Anatolia, Syria, Iran, Transcaucasia and Caucasus.

Agatharchus tritaenia Horváth, 1897

2 ♀♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 10.3.1973 (loc. no. 123), 1 ♀ – N. Iran, Central province, Alborz, 8 km. N.E. of Ziari, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ – S. Iran, Fars, Djahrom, 2.6.1956 Safavi collected.

In Iran previously recorded from N. Iran, Karadj (Lindberg 1938), S.W. Iran, Lorestan, Khoramabad (Hoberlandt 1954).

Species recorded from Anatolia and Iran.

Agatharchus persicus (Jakovlev, 1880)

1 ♂ – N. Iran, Central province, Alborz, plain of the Kalardasht, northern slope of

the Alam Kuh massif, Rudbarak, 1850 – 2400 m., 13.8.1970 (loc. no. 92), 8 ♂♂ and 2 ♀♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 10.3.1973 (loc. no. 123), 1 ♂ and 1 ♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 2.–7.4.1977 (loc. no. 276). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ – C. Iran, Central province, Kachan, 28.12.1948 Safavi collected.

In Iran previously recorded from N. Iran (Oshanin 1906, 1912).

Species recorded from Iran only.

***Agatharchus herrichi* (Kolenati, 1846)**

2 ♂♂ and 6 ♀♀ – N. Iran, Central province, Alborz, 8 km. N.E. of Ziaren, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expedition.

Previous records in Iran: Central province, Kashan (Hoberlandt 1959), N. Iran (Kiritshenko 1938 and Putshkov 1965).

Recorded from Syria, Anatolia, Iran, Transcaucasia, Middle Asia.

***Agatharchus jalloides* Stal, 1876**

1 ♀ – N. Iran, Mazandaran, 15 km. S.W. of Chalus, 490 m., 4.7.1977 (loc. no. 394), 1 ♀ – N. Iran, Central province, Alborz, Kandavan pass, south slope, 2780 m., 4.–9.7.1977 (loc. no. 395). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♀ – S. Iran, Fars, Lar valley, 30.8.1964 Rosser and Larrison collected, 1 ♂ – N. Iran, Central province, Alborz, Kandavan pass, 11.8.1970 Safavi and Hashemi collected.

In Iran previously recorded from N. Iran, Shahku (Reuter 1913), N. Iran, Tasha (Jakovlev 1877), Tehran, Khar (Hoberlandt 1959); Oshanin 1906.

Hitherto recorded only from N. Iran.

***Holcostethus capitatus* (Jakovlev, 1889)**

1 ♀ – N. Iran, Tehran-Evin, 1700 m., 13.3.1973 (loc. no. 124), 1 ♀ – E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Barez, 1700 – 1750 m., 30.4.–3.5.1973 (loc. no. 186), 2 ♀♀ – E. Iran, Kerman province, 33 km. W. of Sabzevaran; 1100 m., on the road Sabzevaran – Esfandagheh, 6.–7.5.1973 (loc. no. 189), 1 ♀ – S. Iran, Fars, E. Zagros, mountain pass 27 km. E. of Yassuj and 10 km. N.W. of Karun, 2650 m., 16.6.1973 (loc. no. 244), 1 ♀ – N. Iran, Tehran-Evin, 1700 m., 2.7.1973 (loc. no. 260), 1 ♀ – N. Iran, Central province, 40 km. S. of Tehran, 7.4.1977 (loc. no. 278), 2 ♂♂ and 2 ♀♀ – S. Iran, Kerman province, Chashmeh-ye Sargaz, 50 km. W. of Sabzevaran, 1650 m., 20.–21.5.1977 (loc. no. 339). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 2 ♀♀ – N. Iran, Tehran-Evin, 16.8.1981 Sabzevar collected; 2 ♀♀ – N. Iran, Gholhak near Tehran, 1400 m., 2.2.1961 Klapperich collected.

In Iran previously recorded from S. Iran, Fars, Djiroft, Djahrom (Kiritshenko

1966) as *Holcostethus peltatus* Jakovlev.

Distributed from Middle Asia southwards to Kazakhstan, Iran and Afghanistan, eastwards to China.

***Holcostethus inclusus* (Dohrn, 1860)**

1 ♂ – N. Iran, Mazandaran, Alborz, Gazanak (Ask), 1400 m., in the valley of the river Haraz, 20.–21.7.1970 (loc. no. 63), 2 ♀♀ – S. Iran, Fars, Dasht-e Arshan, 54 km. E. of Kazerun, 1700 m., 9.6.1973 (loc. no. 230), 1 ♂ – S. Iran, Kerman province, 33 km. S. of Sabzevaran, 17.5.1977 (loc. no. 335). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ – W. Iran, Kermanshahan, Shamabad-Ghaftadjeh, 1800 m., 30.6.1970 Mirzajans collected, 1 ♂ – W. Iran, Azarbaijan, Oskou, 3.10.1975 Safavi collected, 1 ♀ – N. Iran, Central province, Gholhak near Tehran, 1700 m., 9.–22.9.1961 Klapperich collected.

In Iran previously not recorded, first record.

Characteristic species of steppe areas in Kazakhstan, Ukraine and Transcaucasia.

***Holcostethus strictus* (Fabricius, 1803)**

1 ♀ – S. Iran, Fars, E. Zagros. mountain pass 27 km. E. of Yassuj, 2650 m., 16.6.1973 (loc. no. 244). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from E. Iran, Kerman province, Shahrud (Hoberlandt 1954); N. Iran, S.E of Tehran (Kiritshenko 1966).

Species of Holomediterranean distribution restricted to the southern parts of Russia, in S.W. Asia recorded from Turkey, Israel, Syria and Iran.

***Palomena prasina* (Linnaeus, 1761)**

2 ♀♀ – N. Iran, Gilan, Assalem, 30.6.1965 Dezfulian collected.

In Iran previously recorded from N. Iran, Assalem (Wagner 1965).

Species of Eurosiberian distribution, in S.W. Asia recorded from Anatolia, Syria, Iran, Caucasus, Transcaucasia.

***Carpocoris purpureipennis* (De Geer, 1773)**

3 ♂♂ and 1 ♀ – N. Iran, Mazandaran, Beshahr, 23.7.1970 (loc. no. 72), 1 ♂ – N. Iran, Gorgan province, Wildlife Park, vicinity of Dasht, 650 m., 27.–30.7.1970 (loc. no. 77), 1 ♀ – N. Iran, Central province, Alborz, Veresk, 800 m., 2.8.1970 (loc. no. 81). Collected by the Czechoslovak-Iranian expedition.

From Iran previously recorded by Oshanin 1906.

Species of Eurosiberian distribution, recorded also from Kazakhstan, Kirghizia and Iran.

***Carpocoris mediterraneus* Tamanini, 1958**

2 ♂♂ and 2 ♀♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 14.3.1973 (loc. no. 123), 1 ♂ – E. Iran, Kerman province, 33 km. W. of Sabzevaran, 1100 m., 6.–7.5.1973 (loc.

no. 189), 2 ♀♀ – S. Iran, Fars, Mian Jangal, 30.5.–5.6.1973 (loc. no. 223), 4 ♂♂ and 2 ♀♀ – S. Iran, Fars, E. Zagros, 28 km. N. of Masiri, 1650 m., 12.6.1973 (loc. no. 236), 1 ♀ – S. Iran, Fars, E. Zagros, pass 48 km. N. of Masiri, 2300 m., 12.6.1973 (loc. no. 238), 1 ♀ – S. Iran, Fars, E. Zagros, 6 km. S.S.E. of Shul, 45 km. S.E. of Ardakan, 2190 m., 17.–18.6.1973 (loc. no. 248), 1 ♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 2.–7.4.1977 (loc. no. 276), 1 ♂ and 1 ♀ – S. Iran, Abbassi, 25 km. N.E. of Khamir, 26.–27.4.1977 (loc. no. 317), 1 ♀ – N.E. Iran, Khorassan, Kuh-e Hezar Masjed, 25 km. S.W. of Kalat-e Naderi, 1600 m., 11.–12.6.1977 (loc. no. 363), Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded from N. Iran, Gorgan (Tamanini 1958, Putshkov 1965); Mazandaran, Firuz-abad (Chalus), Babolsar, Nowshahr; Gorgan province, Golestan forest, Naharkhoran forest; Gilan, Assalem; W. Iran, Azarbaidjan, Ultan, Moghan, Tabriz; E. Iran, Baluchestan, Zahedan; Kerman province, Kuh-e Lalehsar (Wagner 1968).

Species of Mediterranean distributin, in S.W. Asia recorded from Iran, Turkey, Iraq and Israel.

***Carpocoris coreanus* Distant, 1879**

1 ♀ – N.W. Iran, Azarbaidjan, Marand, 20.6.1970 (loc. no. 26), 1 ♂ and 1 ♀ – N. Iran, Mazandaran, Alborz, Gazanak (Ask), 1400 m., valley of the river Haraz, 20.–21.7.1970 (loc. no. 63), 1 ♂ – N. Iran, Gorgan province, Minudasht, 27.7.1970 (loc. no. 76), 1 ♀ – N. Iran, Gorgan province, Wildlife park, 650 m., vicinity of Dasht, 27.–30.7.1970 (loc. no. 77), 1 ♀ – N. Iran, Mazandaran, Babol-Shahi, 24.7.1970 (loc. no. 70), 1 ♂ – N. Iran, Central province, Alborz, Kandavan, valley N. of tunnel, 2545 m., 11.8.1970 (loc. no. 86), 1 ♀ – N. Iran, Central province, Alborz, Kandavan pass, 3000 m., 11.8.1970 (loc. no. 87), 2 ♂♂ and 2 ♀♀ – N.W. Iran, Azarbaidjan, 23 km. S.W. of Marand, 17.8.1970 (loc. no. 97), 9 ♂♂ and 10 ♀♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 14.3.1973 (loc. no. 123), 1 ♂ – C. Iran, Esfahan province, 6 km. N.W. of Kermanshahan, between Yazd and Rafsandjan, 1610 m., 21.3.1973 (loc. no. 130), 1 ♀ – S.E. Iran, Baluchestan, Deh Pabid on the road Khash – Zahedan, 21.4.1973 (loc. no. 172), 2 ♂♂ and 1 ♀ – E. Iran, Kerman province, Rafsandjan, 26.–28.4.1973 (loc. no. 181), 1 ♂ and 5 ♀♀ – E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Barez, 1700 – 1750 m., 30.4.–3.5.1973 (loc. no. 186), 1 ♂ and 2 ♀♀ – E. Iran, Kerman province, Mohammad-abad, 33 km. W. Sabzevaran, 1100 m., 6.–7.5.1973 (loc. no. 187), 2 ♂♂ and 1 ♀ – E. Iran, Kerman province, 33 km. W. of Sabzevaran, 1100 m., 6.–7.5.1973 (loc. no. 189), 2 ♂♂ and 3 ♀♀ – S. Iran, Fars, Mian Jangal, 30.5.–5.6.1973 (loc. no. 223), 1 ♂ and 1 ♀ – S. Iran, Fars, E. Zagros, Sisakht, 2408 m., 13.6.1973 (loc. no. 240), 1 ♂ and 2 ♀♀ – S. Iran, Fars, E. Zagros, Kuh-e Dena, S.W. slope, 2500 – 3000 m., 13.–14.6.1973 (loc. no. 241), 2 ♂♂ – S. Iran, Fars, E. Zagros, pass 48 km. N. of Masiri, 2230 m., 12.6.1973 (loc. no. 238), 1 ♂ and 1 ♀ – S. Iran, Fars, E. Zagros, Yassuj, 1750 m., 16.6.1973 (loc. no. 243), 2 ♂♂ and 1 ♀ – S. Iran, Fars, E. Zagros, mountain pass 27 km. E. of Yassuj, 2650 m., 16.6.1973 (loc. no.

244), 2 ♀♀ – S. Iran, Fars, E. Zagros, Komehr, 41 km. N.W. of Ardakan, 2000 m., 17.6.1973 (loc. no. 246), 1 ♂ and 1 ♀ – S. Iran, Fars, E. Zagros, 6 km. S.S.E. of Shul, 2190 m., 17.–18.6.1973 (loc. no. 248), 2 ♀♀ – N.W. Iran, Azarbaidjan, 30 km. N.W. of Mianeh, 5.7.1973 (loc. no. 265), 1 ♂ – N.W. Iran, Azarbaidjan, 26 km. S.S.E. of Khoy, 6.7.1973 (loc. no. 267), 1 ♀ – N.W. Iran, Azarbaidjan, 20 km. S.E. of Marand, 5.–6.7.1973 (loc. no. 266), 1 ♀ – N. Iran, Tehran-Evin, 1700 m., 2.–7.4.1977 (loc. no. 276), 1 ♂ – S. Iran, Lorestan, Bidruyeh, 36 km. N.N.W. of Andimeshk, 440 m., 11.4.1977 (loc. no. 285), 1 ♂ and 1 ♀ – S.W. Iran, Lorestan, Hosseiniyeh, Bala Rud valley, 28 km. N.N.W. of Andimeshk, 360 m., 12.–13.4.1977 (loc. no. 286≤), 1 ♂ – S.W. Iran, Khuzestan, Longir, 48 km. E. of Omidiyeh, 100 m., 17.4.1977 (loc. no. 293), 2 ♂♂ and 1 ♀ – S. Iran, Kerman province, Chashmeh-ye Sargaz, 50 km. W. of Sabzevaran, 1650 m., 20.–21.5.1977 (loc. no. 339), 1 ♂ – S. Iran, Kerman province, Ferdows-e Esfandagheh, 21.5.1977 (loc. no. 340), 2 ♀♀ – S.E. Iran, Kerman province, 12 km. N.W. of Dowlatabad, 21.5.1977 (loc. no. 341), 1 ♀ – E. Iran, Khorassan, 13 km. N. of Birjand, 2000 m., 6.–7.6.1977 (loc. no. 360), 1 ♀ – N.E. Iran, Khorassan, Assadli, 30 km. E. of Bojnurd, 1970 m., 17.–18.6.1977 (loc. no. 374), 1 ♂ – N. Iran, Gorgan province, Golestan forest, 53 km. N. of Dasht, 960 m., 18.–19.6.1977 (loc. no. 375), 1 ♂ and 2 ♀♀ – N. Iran, Central province, Alborz, Kandavan pass, 2780 m., 4.–9.7.1977 (loc. no. 395), 2 ♂♂ and 2 ♀♀ – N. Iran, Central province, Alborz, 8 km. N.E. of Ziarn, 2400 m., 10.–16.7.1977 (loc. no. 400), 2 ♂♂ and 1 ♀♀ – N.W. Iran, Azarbaidjan, 20 km. N. of Shapur, 27.7.1977 (loc. no. 405). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ and 2 ♀♀ – N. Iran, Central province, Alborz, Abu-Ask, 2000 m., 12.8.1960, 1 ♂ – N. Iran, Mazandaran, Chalus pass, 2600 m., 2.9.1960, N. Iran, Mazandaran, Alborz, valley Loshkarak, 1800 m., 5.7.1961, 2 ♀♀ – N. Iran, Gholhak near Tehran, 1400 m., 5.7.1961 Klapperich collected.

From Iran previously recorded by Tamanini 1958; W. Iran, Azarbaidjan, Siwand (Wagner 1961), N. Iran, Central province, Shuruh (Miyamoto 1963); Varamin, Gharagadj, W. Iran, Hamadan, Yengedjeh, C. Iran, Esfahan, Yusdan, S. Iran, Fars, Shiraz, W. Iran, Kordestan, Gookh Sultan, Bashuag (Brown 1966); N. Iran, Gorgan province, Firuzabad, Naharkhoran forest, N.E. Iran, Khorassan, Bojnurd, N. Iran, Central province, Karadj, S. Iran, Fars, Ubideh, Dakhte Argen, Shiraz (Wagner 1968).

Widely distributed through Palaearctic Asia, N. China, Korea, N. India, Iran, Anatolia, Iraq, Syria, Northern parts of Russia, Egypt and Afghanistan.

***Antheminia varicornis* (Jakovlev, 1874)**

1 ♂ and 1 ♀ – N.W. Iran, Azarbaidjan, Sufian, 30 km. W. of Tabriz, 20.–21.6.1970 (loc. no. 27). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♀ – S.W. Iran, Kermanshahan, Ilam, 31.3.1947, 1 ♀ – S.W. Iran, Kermanshahan, Mehran, 30.3.1949 Salavatian collected, 2 ♀♀ – S. Iran, Fars, Kazerun, 2.9.1951 Mirzayans collected.

From Iran previously not recorded, first record.

Species of Euro-Siberian distribution, in S.W. Asia recorded from Anatolia; Caucasus, Middle Asia (Kirgizia, Tadikistan).

***Antheminia pusio pusio* (Kolenati, 1846)**

2 ♀♀ – N. Iran, Tehran-Evin, 1700 m., 10.3.1973 (loc. no. 123), 3 ♂♂ – C. Iran, Central province, 30 km. S. of Robote Tork, 24.6.1973 (loc. no. 257), 1 ♂ – S.E. Iran, Kerman province, 12 km. N.W. of Dowlat-abad, 21.5.1977 (loc. no. 341). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – N. Iran, Maranak E. of Tehran, 13.8.1948, 1 ♀ – N. Iran, Mahmudie near Tehran, 24.8.1948 Aellen collected; 1 ♂ and 3 ♀♀ – N. Iran, Gholhak near Tehran, 1400 m., 9.10.1961 Klapperich collected.

In Iran previously recorded from N. Iran, Varamin (Hoberlandt 1954).

Species of East-Mediterranean distribution, in S.W. Asia recorded from Anatolia, Iran, Afghanistan; Transcaucasia and Middle Asia.

***Antheminia lunulata* (Goeze, 1778)**

2 ♂♂ – N.W. Iran, Azarbaijan, Zonus Chay, 66 km. W. of Marand, 20.6.1970 (loc. no. 25), 1 ♀ – N.W. Iran, Gilan, Zandjan, 23.6.1970 (loc. no. 28), 15 ♂♂ and 3 ♀♀ – N. Iran, Central province, Ghazvin, 24.6.1973 (loc. no. 29), 4 ♂♂ and 1 ♀ – N. Iran, Central province, Robate-Tork, 29.6.1970 (loc. no. 34), 1 ♂ – S. Iran, Fars, 10 km. N. of Kazerun, 5.–6.7.1970 (loc. no. 45), 2 ♂♂ and 2 ♀♀ – N. Iran, Mazandaran, Gazanak (Ask), 1400 m., Alborz, valley of the river Haraz, 20.–21.7.1970 (loc. no. 63), 1 ♂ – N. Iran, Gorgan province, Feyz-abad, E. of Gorgan, 27.7.1970 (loc. no. 75), 1 ♀ – N. Iran, Central province, Alborz, Eyn Varzan, 2000 m., 2.8.1970 (loc. no. 83), 1 ♂ – N. Iran, Central province, Alborz, Kandavan, 2545 m., valley N. of tunnel, 11.8.1970 (loc. no. 86), 3 ♀♀ – N.W. Iran, Azarbaijan, 23 km. S.W. of Marand, 17.8.1970 (loc. no. 97), 1 ♂ – N. Iran, Tehran-Evin, 1700 m., 14.3.1973 (loc. no. 123), 1 ♂ – E. Iran, Kerman province, 33 km. W. of Sabzevaran, 1100 m., 6.–7.5.1973 (loc. no. 189), 1 ♂ and 1 ♀ – N.W. Iran, Gilan, 10 km. N.W. of Zanjan, 4.–5.7.1973 (loc. no. 264), 2 ♀♀ – W. Iran, Azarbaijan, Jabal Kandi, 30 km. W. of Rezaiyeh (loc. no. 270), 4 ♀♀ – N. Iran, Central province, Ghazvin, 4.7.1973 (loc. no. 263), 2 ♀♀ – S. Iran, Kerman province, Ferdows-e Esfandagheh, 21.5.1977 (loc. no. 340), 1 ♀ – N. Iran Khorassan, Soghand, S. slope of Kuh-e Binalud, 15 km. N.E. of Nishabur, 1600 – 2300 m., 13.6.1977 (loc. no. 365), 1 ♂ – N.E. Iran, Khorassan, 20 km. N.E. of Sabzevar, 15.6.1977 (loc. no. 367), 1 ♂ – N.E. Iran, Khorassan, Assadli, 30 km. S. of Bojnurd, 1970 m., 17.–18.6.1977 (loc. no. 374), 1 ♀ – N. Iran, Central province, Alborz, Kandavan pass, 2780 m., 4.–9.7.1977 (loc. no. 395), 1 ♂ – N.W. Iran, Azarbaijan, 25 km. S.E. of Shahpur (Salmas), 27.–28.7.1977 (loc. no. 406). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ and 3 ♀♀ – N. Iran, Gholhak near Tehran, 1400 – 1700 m., 23.6. and 14.7.1961 Klapperich collected.

In Iran previously recorded from N. Iran, Central province, Gharaghadj (Hoberlandt 1954 and Brown 1966).

Species of Euro-Siberian distribution, in S.W. Asia recorded from Turkey, Syria, Iran; Transcaucasia, Caucasus; Kazakhstan, Kirghizia.

***Ochyrotylus helvinus* Jakovlev, 1885**

1 ♀ – E. Iran, Kerman province, 13 km. W.S.W. of Kerman, 29.4.1973 (loc. no. 182). Collected by the Czechoslovak-Iranian expedition.

From Iran previously recorded by Putshkov 1965 (without exact locality).

Distribution: Transcaucasia, Iran, Turkomanistan and South Kazakhstan.

***Codophila varia* (Fabricius, 1787)**

2 ♀♀ – S. Iran, Fars, 10 km. N. of Kazerun, 5.–6.7.1970 (loc. no. 45), 3 ♀♀ – N. Iran, Central province, Alborz, Gazanak (Ask), 1400 m., valley of the river Haraz, 20.–21.7.1970 (loc. no. 63), 1 ♀ – N. Iran, Mazandaran, Shahi, 24.7.1970 (loc. no. 71), 3 ♂ and 13 ♀♀ – N. Iran, Tehran-Evin, 1700 m., 9.–10.3.1970 (loc. no. 123), 1 ♂ and 1 ♀ – S. Iran, Fars, Mian Jangal, 20.5.–5.6.1973 (loc. no. 223), 1 ♂ – S. Iran, Fars, 10 km. W. of Shiraz, 8.6.1973 (loc. no. 228), 1 ♂ – S. Iran, Fars, Masiri, 11.–12.6.1973 (loc. no. 235), 1 ♂ – S. Iran, Fars, 25 km. N. of Masiri, 1650 m., 12.6.1973 (loc. no. 236), 2 ♀♀ – S. Iran, Fars, E. Zagros, pass 2230 m., 48 km. N. of Masiri, 12.6.1973 (loc. no. 238), 2 ♀♀ – S. Iran, Fars, E. Zagros, mountain pass 2650 m., 27 km. N. of Yassuj, 12.6.1973 (loc. no. 244), 2 ♂♂ and 2 ♀♀ – N. Iran, Tehran-Evin, 26.6.1973 (loc. no. 260), 1 ♂ – N.W. Iran, Azarbaijan, 20 km. S.S.E. of Khoy, 6.7.1973 (loc. no. 267), 1 ♂ – N. Iran, Tehran-Evin, 1700–2000 m., 2.–7.4.1977 (loc. no. 276), 1 ♂ – N. Iran, Khorassan, Assadli, 30 km. S. of Bojnurd, 1970 m., 17.–18.6.1977 (loc. no. 374), 2 ♂♂ and 1 ♀ – N. Iran, Gorgan province, Golestan forest, 53 km. N. of Dasht, 960 m., 18.–19.6.1977 (loc. no. 375), 2 ♀♀ – N. Iran, Gorgan province, Golestan forest, Mazarli, 530 m., 19.–21.6.1977 (loc. no. 376), 1 ♂ and 1 ♀ – N. Iran, Central province, 8 km. N.E. of Ziarn, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – N. Iran, Mazandaran, Nowshahr, 2.–8.7.1960, 2 ♀♀ – N. Iran, Central province, Alborz, Abu Ask, 2000 m., 12.7.1960, 2 ♂♂ and 2 ♀♀ – N. Iran, Gholhak near Tehran, 1400 m., 2.10.1960 Klapperich collected. 1 ♂ – N. Iran, Central province, Karadj, 8.8.1947, 1 ♂ – N. Iran, Central province, Ghazvin, 29.5.1948 Mirzayans collected. 1 ♂ – N. Iran, Central province, Ghorogh, 1.10.1948 Varzi collected.

In Iran previously recorded from N. Iran, Karadj (Lindberg 1938), Varamin, Gharaghadj (Hoberlandt 1954, Brown 1966), N. Iran, Ghorogh, W. Iran, Kordestan, Goosh Sultan, Bashmaq (Brown 1966), W. Iran, Azarbaijan, Ghah-Goli (Wagner 1968). Oshanin 1906.

Species of Holomediterranean distribution, is S.W. Asia recorded from Anatolia, Iran, Syria, Israel, Iraq; Transcaucasia, Caucasus, Middle Asia, Afghanistan.

Codophila maculicollis (Dallas, 1891)

3 ♀♀ – E. Iran, Kerman province, Mohammadabad, 35 km. N.N.W. of Sabzevaran, 1600 m., on the road Deh Bakri and Sabzevaran, 3.–5.5.1973 (loc. no. 187), 1 ♀ – S. Iran, Abbassi, Issin, 45 km. N.W. of Bandar Abbas, 11.–15.5.1973 (loc. no. 198), 1 ♀ – S. Iran, Fars, Mian Jangal, 30.5.–4.6.1973 (loc. no. 223), 3 ♂♂ and 6 ♀♀ – S. Iran, Fars, south bank of the lake Maharlu, 5.–6.6.1973 (loc. no. 227), 1 ♂ and 1 ♀ – S. Iran, Fars, 10 km W. of Shiraz on the road Shiraz – Kazerun, 8.6.1973 (loc. no. 228), 1 ♂ – S. Iran, Fars, Shiraz, 10.6.1973 (loc. no. 249), 4 ♂♂ and 2 ♀♀ – S. Iran, Abbassi, Issin, 28.4.–6.5.1977 (loc. no. 320), 1 ♂ – S. Iran, Abbassi, Kuh-e Geno, 1600 m., 5.5.1977 (loc. no. 322). Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded from S.E. Iran, Baluchestan, Sarbaz, S.W. Iran, Khuzistan, Rhamhormoz (Hoberlandt 1954).

Species of Eremian distribution, recorded from N. Africa, Syria, Israel, Iran, Afghanistan and India.

Dolycoris baccarum (Linnaeus, 1758)

1 ♂ – N.E. Iran, Khorassan, Kuh-e Hezar Masjed, 25 km. S.W. of Kalat-e Naderi, 1600 m., 11.–12.6.1977 (loc. no. 363). Collected by the Czechoslovak-Iranian expedition.

Further material examined. 3 ♂♂ and 2 ♀♀ – S. Iran, Fars, Beyza, Shiraz, 3.5.1952 Scharif collected, 1 ♀ – N. Iran, Gholhak near Tehran, 3.5.1951, 1 ♀ – N. Iran, Mazandaran, Abu Ask on the river Haraz, 1.6.1960, 1 ♀ – N. Iran, Mazandaran, Alborz, Chalus pass, 1000 m., 2.9.1960 Klapperich collected.

In Iran previously recorded from C. Iran, Esfahan province, Yazd-i Khast (China 1938), N. Iran, Karadj (Lindberg 1938), N. Iran, Gorgan (Kiritshenko 1949), C. Iran, Esfahan (Hoberlandt 1959), S.E. Iran, Kerman province, Darab, Kartakon (Brown 1966).

Species of Holarctic distribution, in S.W. Asia recorded from Israel, Turkey, Syria, Iraq and Iran; Transcaucasia and Caucasus.

Dolycoris penicillatus Horváth, 1904

2 ♂♂ – N.W. Iran, Azarbaijan, Sufian, 30 km. W. of Tabriz, 20.–21.6.1970 (loc. no. 27), 2 ♀♀ – S.W. Iran, Lorestan, E. Zagros, Marg-e malek, 20 km. E. of Kuhrang, 3200 m., 1.7.1970 (loc. no. 39), 2 ♂♂ and 1 ♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 9.–10.3.1973 (loc. no. 123), 1 ♀ – E. Iran, Kerman province, Rafsandjan, 20.–22.4.1973 (loc. no. 181), 1 ♀ – E. Iran, Kerman province, 33 km. W. of Sabzevaran, 1100 m., 6.–7.5.1973 (loc. no. 189), 1 ♀ – S. Iran, Fars, Mian Jangal, 30.5.–5.6.1973 (loc. no. 223), 1 ♀ – S. Iran, Fars, 15 km. N.W. of Mian Jangal, 5.6.1973 (loc. no. 224), 2 ♂♂ and 1 ♀ – S. Iran, Fars, 28 km. N. of Masiri, 1650 m., 12.6.1973 (loc. no. 236), 2 ♂♂ – S. Iran, Fars, E. Zagros, Sisakht, 2400 m., 13.6.1973 (loc. no. 240), 1 ♂ and 3 ♀♀ – S. Iran, Fars, E. Zagros, Kuh-e Dena, 5 km. N.E. of

Sisakht, 2500 – 3000 m., 13.–14.6.1973 (loc. no. 241), 1 ♂ and 1 ♀ – S. Iran, Fars, E. Zagros, Yassuj, 1750 m., 16.6.1973 (loc. no. 243), 1 ♂ and 4 ♀♀ – S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.–10.6.1973 (loc. no. 229), 1 ♂ and 2 ♀♀ – S. Iran, Fars, E. Zagros, pass N. of Masiri, 2230 m., 12.6.1973 (loc. no. 238), 3 ♀♀ – S. Iran, Fars, E. Zagros, pass 10 km. N.W. of Karun, 2650 m., 16.6.1973 (loc. no. 246), 1 ♀ – S. Iran, Fars, E. Zagros, 7 km. N.W. of Shuh and 32 km. S.E. of Ardakan, 2100 m., 17.6.1973 (loc. no. 247), 1 ♂ and 1 ♀ – N.W. Iran, Azarbaidjan, 20 km. S.E. of Marand, 5.–6.7.1973 (loc. no. 266), 1 ♀ – C. Iran, Central province, 42 km. W. of Arak, on the road Arak – Borujerd, 8.4.1977 (loc. no. 281), 1 ♀ – S.W. Iran, Khuzestan, Mollassani, 45 km. N.W. of Ahwaz, 90 m., 13.–14.4.1977 (loc. no. 288), 19 ♂♂ and 12 ♀, – S.W. Iran, Bushehr province, Shahbankareh, 20 km. N.W. of Borozjan, 70 m., 18.4.1977 (loc. no. 297), 2 ♂♂ – S. Iran, Bushehr province, 10 km. N. of Dalaki, 18.–19.4.1977 (loc. no. 298), 1 ♀ – S. Iran, Abbassi, Kuh-e Geno, 1600 – 2100 m., 5.6.1977 (loc. no. 322), 1 ♀ – S. Iran, Abbassi, Bagh-e Tang, 6 km. W. of Geno, 410 m., 50 km. N. of Bandar Abbas, 7-9.5.1977 (loc. no. 323), 1 ♂ and 2 ♀♀ – S. Iran, Kerman province, Chashmeh-ye Sargaz, 30 km. W. of Sabzevaran, 1650 m., 20.–21.5.19677 (loc. no. 339), 1 ♀ – E. Iran, Sistan, Kuh-e Khajeh, 490 m., 3.–5.6.1977 (loc. no. 357), 1 ♂ – N. Iran, Central province, Hashtgerd on the road Karadj – Ghazvin, 10.7.1977 (loc. no. 399), 1 ♂ – N. Iran, Central province, Alborz, 8 km. N.E. of Ziarn, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded from S.E. Iran, Baluchestan, Iranshahr (Hoberlandt 1954), N. Iran, Khorassan, Bojnurd, Tanguerah; Gorgan province, Golestan forest, Naharkhoran forest, Gonbad; W. Iran, Gilan, Assalem (Wagner 1968); Oshanin 1910, 1912 and Tamanini 1959.

Species occurring in Middle Asia, Iran and Afghanistan.

***Chroantha ornatula* (Herrich-Schäffer, 1842)**

1 ♀ – N. Iran, Central province, Kushke-nosrat, 28.6.1970 (loc. no. 33), 1 ♀ – N. Iran, Mazandaran, Beshahr, 23.7.1970 (loc. no. 72), 1 ♀ – N. Iran, Central province, Robate-Tork, 29.7.1970 (loc. no. 34), 1 ♀ – S. Iran, Fars, 30 km. W. of Sahl-abad, Lake Baghtegan, 7.7. 1970 (loc. no. 47), 1 ♂ – N. Iran, Mazandaran, Bandar-e Shah, 1.8.1970 (loc. no. 79), 1 ♂ – N. Iran, Tehran-Evin, 1700 – 2000 m., 10.3.1973 (loc. no. 123), 1 ♂ – N. Iran, Central province, 21 km. S.E. of Robat-e Tork, 18.3.1973 (loc. no. 126), 3 ♂♂ and 4 ♀♀ – S.E. Iran, Baluchestan, Sarbaz valley, 30 km. S. of Sarbaz, 1.–2.4.1973 (loc. no. 145), 2 ♀♀ – S.E. Iran, Baluchestan, Bahu-Kalat, 68 km. S. of Rask, 3.–4.4.1973 (loc. no. 147), 1 ♂ and 1 ♀ – S.E. Iran, Baluchestan, Tis, 6.–7.4.1973 (loc. no. 150), 3 ♀♀ – S.E. Iran, Baluchestan, 9 km. S. of Espakeh, 10.4.1973 (loc. no. 155), 12 ♂ and 12 ♀♀ – S.E. Iran, Baluchestan, Ghasamabad, valley of the river Bampur, 11.–12.4.1973 (loc. no. 157), 1 ♂ and 1 ♀ – S.E. Iran, Baluchestan, 30 km. N. of Bampur, 12.–1.4.1973 (loc. no. 159), 10 ♂♂ and 1 ♀ – E. Iran, Kerman province, Mohammad-abad, 35 km. N.N.W. of Sabzevaran, 1600 m.,

3.5.1973 (loc. no. 187), 1 ♂ - E. Iran, Kerman province, 33 km. W. of Sabzevaran, 6.-7.5.1973 (loc. no. 189), 2 ♂♂ - E. Iran, Sistan, 37 km. W. of Zahedan, 22.-23.4.1973 (loc. no. 173), 1 ♂ and 2 ♀♀ - E. Iran, Kerman province, Banu-e Charehar, 1800 - 2000 m., 25 km. N.W. of Sowghan, 8.5.1973 (loc. no. 191), 4 ♂♂ and 2 ♀♀ - S. Iran, Kerman province, Dowlat-abad, 85 km. of Hajiabad, 8.-9.5.1973 (loc. no. 192), 1 ♀ - S. Iran, Kerman province, 8 km. E. of Hajiabad, 9.5.1973 (loc. no. 193), 1 ♂ and 1 ♀ - S. Iran, Abbassi, 16 km. N. of Jask, 22.-23.5.1973 (loc. no. 208), 4 ♂♂ and 1 ♀ - S. Iran, Abbassi, Bilai, 23.-24.5.1973 (loc. no. 208), 4 ♂♂ and 1 ♀ - S. Iran, Abbassi, Hassan Langi, 62 km. E. of Bandar Abbas, 24.-25.5.1973 (loc. no. 211), 1 ♂ and 1 ♀ - S. Iran, Abbassi, Baghu, 22 km. N.E. of Bandar Abbas, 25.5.1973 (loc. no. 212), 14 ♂♂ and 8 ♀♀ - S. Iran, Kerman province, 7 km. W. of Kakhom, 28.5.1973 (loc. no. 215), 4 ♂♂ and 4 ♀♀ - S. Iran, Kerman province, Gardaneh-e Besan (pass), 15 km. N.W. of Furk, 1000 - 1400 m., 28.-29.5.1973 (loc. no. 218), 1 ♂ - S. Iran, Fars, Korsiah, 14 km. N.N.W. of Darab, 29.-30.5.1973 (loc. no. 220), 1 ♂ - S. Iran, Fars, 15 km. N.W. of Mian Jangal, 5.6.1973 (loc. no. 224), 1 ♂ - S. Iran, Fars, Tang-e Chogan-e Olia, 10.-11.6.1973 (loc. no. 234), 2 ♂♂ and 3 ♀♀ - S.W. Iran, Khuzestan, Mollassani, 45 km. N.W. of Ahwaz, 90 m., 13.-14.4.1977 (loc. no. 288), 1 ♀ - S. Iran, Fars, 30 km. N.E. of Borazjan, 18.-19.4.1977 (loc. no. 298), 1 ♂ and 1 ♀ - S. Iran, Fars, Baghak, 15. W. of Ahram, 60 m., 19.-20.4.1977 (loc. no. 301), 1 ♂ and 1 ♀ - S. Iran, Abbassi, Bandar-e Mahtabi, 42 km. N.E. of Bandar-e Lengeh, 26.4.1977 (loc. no. 314), 1 ♂ - S. Iran, Abbassi, Senderk S. of Bashagard, 220 m., 12.-13.5.1977 (loc. no. 327), 2 ♂♂ - S. Iran, Abbassi, Bila'i, 40 m., 13.-14.5.1977 (loc. no. 329), 2 ♀♀ - S. Iran, Kerman province, 43 km. N. of Kahnuj, 540 m., 16.-17.5.1977 (loc. no. 334), 5 ♂♂ - S. Iran, Kerman province, Saghdan, 30 km. N.N.E. of Sabzevaran, 1650 m., 17.-19.5.1977 (loc. no. 337), 3 ♀♀ - S. Iran, Kerman province, Posht-e Kuh, 50 km. N.W. of Dowlat-abad, 21.-22.5.1977 (loc. no. 343), 6 ♂♂ and 26 ♀♀ - S. Iran, Kerman province, Ghanat-e Marvan, south foot of Kuh-e Lalehsar, 2850 m., 22.-24.5.1977 (loc. no. 345), 1 ♂ - S. Iran, Kerman province, Shahdad, 670 m., 31.5.-1.6.1977 (loc. no. 353), 1 ♂ and 1 ♀ - E. Iran, Sistan, Kuh-e Khajeh, 430 m., 3.-5.6.1977 (loc. no. 357), 1 ♀ - N.E. Iran, Khorassan, 36 km. N. of Ghonabad, 830 m., 7.-8.6.1977 (loc. no. 361), 2 ♀♀ - N.E. Iran, Khorassan, Sabzevar, 1800 m., 16.6.1977 (loc. no. 369), 1 ♂ - N. Iran, Mazandaran, Golestan forest. Mazarli, 20 km. N.W. of Sasht, 530 m., 19.-21.6.1977 (loc. no. 376), 1 ♀ - N. Iran, Central province, Alborz, Kandavan pass, 2780 m., 4.-9.6.1977 (loc. no. 395), 2 ♂♂ and 3 ♀♀ - N. Iran, Central province, 8 km. N.E. of Ziarn, 2400 m., 10.-16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

In Iran previously recorded from N. Iran, Shahrud (Jakovlev, 1877, Oshanin 1906); Karadj; S.E. Iran, Baluchestan, Bahu-Kalat (Hoberlandt 1954); Iranshahr (Seidenstücker 1957); Zahedan (Kiritshenko 1966); S.W. Iran, Khuzestan, Shadegan; E. Iran, Kerman province, Anbar-abad (Seidenstücker 1958); S. Iran, Abbassi, Orzonieh, Bandar-e Lengeh, Minab; E. Iran, Kerman province, Jiroft (Sabzevaran), Sistan, Zabol; N.E. Iran, Khorassan, Kechanak, Bojnurd (Wagner 1961).

Species of wide Mediterranean distribution, Middle Asia and Afghanistan.

***Brachynema germari* (Kolenati, 1846)**

2 ♂♂ and 2 ♀♀ – N. Iran, Central province, Ghazvin, 24.6.1970 (loc. no. 29), 2 ♂♂ – N. Iran, Central province, Kushke-nosrat, 28.6.1970 (loc. no. 33), 2 ♂♂ – N. Iran, Central province, Robate-Tork, 29.6.1970 (loc. no. 34), 7 ♂♂ and 4 ♀♀ – N. Iran, Tehran-Evin, 1700 – 2000 m., 9.–10.3.1973 (loc. no. 123); 1 ♀ – C. Iran, Esfahan province, Nain, 20.3.1973 (loc. no. 129), 1 ♀ – C. Iran, Kerman province, 6 km. N.W. of Kermanshahan, between Yazd and Rafsandjan, 1610 m., 21.3.1973 (loc. no. 130), 1 ♂ and 2 ♀, – C. Iran, Kerman province, Rafsandjan, 22.3.1973 (loc. no. 131), 3 ♂♂ and 1 ♀ – C. Iran, Kerman province, 13 km. W.S.W. of Kerman, 23.3.1973 (loc. no. 132), 2 ♀♀ – C. Iran, Kerman province, Mahan, 1700 m., 23.–24.3.1973 (loc. no. 133), 1 ♀ – S.E. Iran, Baluchestan, Sekand, 27 km. N.E.N. of Sarbaz, 31.3.–1.4.1973 (loc. no. 144), 3 ♂♂ and 2 ♀♀ – S.E. Iran, Baluchestan, Sarbaz river valley, 30 km. S. of Sarbaz, 1.–2.4.1973 (loc. no. 145), 1 ♀ – S.E. Iran, Baluchestan, 9 km. S. of Espakeh, 10.4.1973 (loc. no. 155), 1 ♀ – S.E. Iran, Baluchestan, Ghasamabad, valley of the river Bampur, 10 km. E. of Bampur, 11.–12.4.1973 (loc. no. 157), 1 ♀ – S.E. Iran, Baluchestan, 30 km. N. of Bampur, 13.4.1973 (loc. no. 159), 7 ♂ and 4 ♀♀ – E. Iran, Sistan, 37 km. N.W. of Zahedan, 22.–23.4.1973 (loc. no. 173), 12 ♂♂ and 17 ♀♀ – E. Iran, Kerman province, 8 km. W. of Bam, 24.–25.4.1973 (loc. no. 177), 1 ♂ and 1 ♀ – E. Iran, Kerman province, Abaregh, 53 km. N.W. of Bam, 25.4.1973 (loc. no. 178), 22 ♂♂ and 31 ♀♀ – E. Iran, Kerman province, Khutanabad, 70 km. N.W. of Bam, 25.4.1973 (loc. no. 179), 1 ♂ and 4 ♀♀ – E. Iran, Kerman province, Rafsandjan, 26.–28.4.1973 (loc. no. 181), 1 ♂ and 1 ♀ – N. Iran, Kerman province, 13 km. of Kerman, 20.4.1973 (loc. no. 182), 2 ♂♂ and 1 ♀ – E. Iran, Kerman province, Darzin, 30 km. W. of Bam, 29.–30.4.1973 (loc. no. 185), 7 ♂♂ and 8 ♀♀ – E. Iran, Kerman province, Mohammad-abad, 35 km. N.N.W. of Sabzevaran, 1600 m., 3.–5.5.1973 (loc. no. 187), 1 ♂ and 1 ♀ – E. Iran, Kerman province, 33 km. W. of Sabzevaran, 1100 m., 6.–7.5.1973 (loc. no. 189), 6 ♂♂ and 6 ♀♀ – E. Iran, Kerman province, Gav Koshi near Esfandagheh, 1650 m., 7.–8.5.1973 (loc. no. 190), 1 ♂ and 1 ♀ – E. Iran, Kerman province, Banu-e Charehar, 1800 – 2000 m., 25 km. N.W. of Sowghan, 8.5.1973 (loc. no. 191), 1 ♂ and 2 ♀♀ – S. Iran, Kerman province, Dowlat-abad, 85 km. E. of Hajiabad, 8.–9.5.1973 (loc. no. 192), 20 ♂♂ and 9 ♀♀ – S. Iran, Kerman province, 24 km. S.S.W. of Hajiabad, 9.–10.5.1973 (loc. no. 194), 1 ♂ and 2 ♀♀ – S. Iran, Abbassi, Issin, 45 km. N.W. of Bandar Abbas, 11.–15.5.1973 (loc. no. 198), 1 ♀ – S. Iran, Abbassi, Hassan Lengi, 62 km. E. of Bandar Abbas, 16.–17.5.1973 (loc. no. 200), 1 ♂ – S. Iran, Abbassi, Bila'i, 23.–24.5.1973 (loc. no. 209), 1 ♂ and 1 ♀ – S. Iran, Kerman province, 7 km. W. of Kakhom, 20 km. S.W. of Hajiabad, 28.5.1973 (loc. no. 215), 5 ♂♂ and 4 ♀♀ – S. Iran, Kerman province, Gardaneh-e Besan (pass), 15 km. N.W. of Furk, 1000 – 1400 m., 28.–29.5.1973 (loc. no. 218), 3 ♂♂ and 5 ♀♀ – N. Iran, Central province, Robat-e Tork, 24.–25.6.1973 (loc. no. 258), 1 ♂ – S. Iran, Fars, Nasqh-e Rostam, 20.–21.6.1973 (loc. no. 250), 1 ♀ – N. Iran, Tehran-Evin, 28.6.1973

(loc. no. 260), 1 ♂ – S. Iran, Kerman province, Ferdows-e Esfandagheh, 21.5.1977 (loc. no. 340), 1 ♀ – S. Iran, Kerman province, Fahraj, 2.6.1977 (loc. no. 354), 1 ♂ – E. Iran, Sistan, Kahurak, 130 km. N.E.N. of Bam, 510 m., 2.–3.6.1977 (loc. no. 355), 2 ♂♂ and 1 ♀ – N.E. Iran, Khorassan, 36 km. N. of Gonabad, 830 m., 7.–8.6.1977 (loc. no. 361), 1 ♂ and 1 ♀ – E. Iran, Sistan, Kuh-e Khajeh, 490 m., 3.–5.6.1977 (loc. no. 357), 3 ♂♂ – N.E. Iran, Khorassan, Hares-abad, 10 km. N.E. of Sabzevar, 15.6.1977 (loc. no. 368), 2 ♀♀ – N.E. Iran, Khorassan, Hesar (Zaberkhan), 50 km. S.E. of Nishabur, 1400 m., 12.–13.6.1977 (loc. no. 364), 1 ♀ – N.E. Iran, Khorassan, Sabzevar, 16.6.1977 (loc. no. 369), 1 ♂ and 2 ♀♀ – N.E. Iran, Khorassan, Rishi, south foot of Kuh-e Shah Jahan, 20 km. S.E. of Esfarayen, 1350 m., 16.–17.6.1977 (loc. no. 372), 1 ♀ – N. Iran, Central province, Alborz, Kandavan pass, 2780 m., 4.–9.7.1977 (loc. no. 395), 1 ♂ – N. Iran, Central province, Alborz, 8 km. N.E. of Ziaran, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – N. Iran, Gorgan province, Dasht, 5.7.1946 Salavatian collected, 1 ♀ – C. Iran, Semnan province, Khor, 3.10.1947 Djah collected, 1 ♀ – N. Iran, Central province, Gharaghadj, 3.9.1947 Abaspour collected, 1 ♀ – N. Iran, Central province, Kachan, 9.7.1949 Mirzayans collected, 1 ♀ – E. Iran, Sistan, Kakha, 10.4.1950 Mirzayans collected, 1 ♂ and 2 ♀♀ – N. Iran, Tehran-Evin, 14.–22.7.1971 Safavi collected, 1 ♂ and 1 ♀ – S. Iran, Kerman province, Hajiabad, 28.4.1948 Aellen collected, 1 ♂ – N. Iran, Mazandaran, Ramsar – 20 m., 3.–9.8.1960, 4 ♀♀ – Bandar Pahlavi, 24.7.1961, 1 ♂ – N. Iran, Central province, Alborz, valley near Firushkuh, 2200 m., 16.7.1961, 1 ♀ – Golhak near Tehran, 1400 m., 3.8.1961, 1 ♀ – N. Iran, Central province, wadi near Ghom, 500 m., 13.–16.9.1960 Klapperich collected.

In Iran previously recorded from S.E. Iran, Baluchestan, Saravan, Ghasre-Ghand (Hoferlandt 1954), Iranshahr (Seidenstücker 1957), Bampur, Zahedan (Kiritshenko 1966), E. Iran, Kerman province, Anbar-abad (Seidenstücker 1958); S. Iran, Mazandaran, Khamestan, Niawaran (Seidenstücker 1957), C. Iran, Esfahan (Hoferlandt 1959); N. Iran, Central province, Ghom (Wagner 1961).

Species of Mediterranean origin, widely distributed through steppe and desert regions of the Palaearctic, in S.W. Asia recorded from Anatolia, Syria, Iran, Israel, Transcaucasia; Middle Asia, South Kazakhstan, Mongolia and Afghanistan.

***Brachynema signatum* Jakovlev, 1879**

1 ♀ – N. Iran, Central province, Robate-Tork, 29.6.1970 (loc. no. 34), 1 ♂ – N. Iran, Gorgan province, Golestan forest, Mazarli, 20 km. N.W. of Dasht, 530 m., 19.–21.6.1977 (loc. no. 376). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ – N. Iran, Gorgan province, Dasht, 5.7.1946 Salavatian collected, 3 ♀♀ – E. Iran, Sistan, Kakha, 10.4.1950 Mirzayans collected.

From Iran previously not recorded, first record.

Species recorded from Transcaucasia, Dagestan and Turkomanistan.

Brachynema hypocrita Puton, 1876

5 ♂♂ and 11 ♀♀ – E. Iran, Sistan, Ahoudaht, 19.3.1948, 2 oo – E. Iran, Sistan, Bahol, 25.5.1950 Scharif collected.

From Iran recorded by Oshanin 1910 and 1912 without exact locality.

Species distributed in southern parts of Mediterranean and Iran.

Bagrada (Bagrada) hilaris (Burmeister, 1855)

1 ♀ – S.E. Iran, Baluchestan, Ghasamabad, valley of the river Bampur, 10 km. E. of Bampur, 11.–12.4.1973 (loc. no. 157), 1 ♂ and 3 ♀♀ – S.W. Iran, Khuzestan, 52 km. S.E. of Omidiyeh, on the river Zohreh, 50 km. 16.–17.4.1977 (loc. no. 292). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – S.E. Iran, Baluchestan, Sakrand, 20.9.1949 Student collected, 1 ♂ and 2 ♀♀ – S.W. Iran, Khuzestan, Ahvaz, 10.10.1965 Safavi collected.

In Iran previously collected in Khuzestan (Horváth 1936) and W. Iran, Kermanshahan, Dehloran (Hoberlandt 1954).

Species of Eremian distribution: Eremian African; Syria, Israel, Iran, Oriental region.

Bagrada (Nitilia) abeillei (Puton, 1851)

1 ♀ – C. Iran, Esfahan province, between Yazd and Rafsandjan, 1610 m., 21.3.1973 (loc. no. 130), 3 ♂♂ – E. Iran, Kerman province, Mohammad-abad, 35 km. N.N.W. of Sabzevaran, 1600 m., 3.–5.5.1973 (loc. no. 187), 1 ♀ – E. Iran, Kerman province, 33 km. W. of Sabzevaran on the road Sabzevaran – Esfandagheh, 1100 m., 6.–7.5.1973 (loc. no. 189), 1 ♂ and 1 ♀ – S. Iran, Fars, 13 km. E.S.E. of Kazerun, 9.6.1973 (loc. no. 231), 9 ♂♂ and 4 ♀♀ – S. Iran, Fars, Tang-e Chogan-e Olia, ruins of Bishapur, 1000 m., 10.6.1973 (loc. no. 233), 1 ♂ and 1 ♀ – W. Iran, Azarbaidjan, Iabal Kandi, 38 km. N. of Rezaiyeh on the west bank of Lake Rezaiyeh, 6.7.1973 (loc. no. 270), 1 ♀ – S. Iran, Abbassi, Kuh-e Geno, 1600 – 2100 m., 5.5.1977 (loc. no. 322), 1 ♂ and 1 ♀ – S. Iran, Kerman province, 33 km. S. of Sabzevaran, 17.5.1977 (loc. no. 335). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – S.W. Iran, Lorestan, 5 km. S. of Pole Dokhtar, 13.8.1968 Mirzayans collected.

In Iran previously recorded from S.W. Iran, Lorestan, Pain-gjatsh; N. Iran, Tehran-Tadrish (Horváth 1936 as *Bagrada persica* Horv.); S. Iran, Fars, 25 km. S.E. of Djahrom (Kiritshenko 1966 as *Bagrada pallens* Kirit., Putshkov 1965).

Recorded from Turkey, Syria, Israel, Iran, Transcaucasia and Turkomanistan.

Bagrada (Nitilia) kaufmanni (Oshanin, 1870)

1 ♂ – C. Iran, Esfahan province, between Yazd and Rafsandjan, 1610 m., 21.3.1973 (loc. no. 130), 1 ♀ – S.E. Iran, Baluchestan, 13 km. S.S.E. of Nikshahr, valley of the river Nikshahr, 8.–9.4.1973 (loc. no. 152), 2 ♂♂ – S.E. Iran, Baluchestan,

25 km. N. of Ghasre-Ghand, 34 km. E. of Nikshahr, 9.-10.4.1973 (loc. no. 153), 1 ♂ and 1 ♀ - S.E. Iran, Baluchestan, 30 km. W. of Bampur, on the road Bampur - Bazman, 12.-13.4.1973 (loc. no. 159), 1 ♂ - S.E. Iran, Baluchestan, 12 km. S.S.E. of Bazman, 13.4.1973 (loc. no. 160), 9 ♂♂ and 5 ♀♀ - E. Iran, Kerman province, Mohammad-abad, 35 km. N.N.W. of Sabzevaran, 1600 m., on the road between Deh Bakri and Sabzevaran, 3.-5.5.1973 (loc. no. 187), 1 ♀ S. Iran, Fars, 13 km. E.S.E. of Kazerun, 9.6.1973 (loc. no. 231), 1 ♂ - S. Iran, Fars, Cave Gar Shahpur, 1280 m., 10.-11.6.1973 (loc. no. 232), 1 ♂ - S. Iran, Fars, Tang-e Chogan-e Olia, ruins of Bishapur, 1000 m., 10.6.1973 (loc. no. 233), 1 ♂ - W. Iran, Azarbaijan, Jabal Kandi, 38 km. N. of Rezaiyeh on the West bank of Lake Rezaiyeh, 6.7.1973 (loc. no. 270), 1 ♀ - S. Iran, Abbassi, 25 km. N.E. of Khamir, 26.-27.4.1977 (loc. no. 317), 5 ♂♂ and 4 ♀♀ - S. Iran, Abbassi, Kuh-e Geno, 1600 - 2100 m., 5.5.1977 (loc. no. 322), 1 ♀ - E. Iran, Kerman province, Chashmeh-ye Sargaz, 50 km. W. of Sabzevaran, on the road Sabzevaran - Esfandagheh, 1650 m., 21.5.1977 (loc. no. 339), 1 ♀ - N.E. Iran, Khorassan, Sabzevar, 16.6.1977 (loc. no. 369), 1 ♀ - E. Iran, Kerman province, 33 km. S. of Sabzevaran, 17.5.1977 (loc. no. 335), 1 ♀ - S.E. Iran, Kerman province, Fahraj, 2.6.1977, (loc. no. 354). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ - S.W. Iran, Khuzestan, Shah-abad, 19.2.1934 Salavatian collected, 2 ♀ - E. Iran, Sistan, Zabol, 20.3.1950 Mirzayans collected, 1 ♂ and 1 ♀ - S.E. Iran, Baluchestan, Karvandar, 22.4.1969, Pazuki and Hahshemi collected, 1 ♀ - S.E. Iran, Baluchestan, Zahedan, Nosrat-abad, 21.4.1969 Pazuki and Hashemi collected, 1 ♂ and 1 ♀ - S.E. Iran, Baluchestan, Konyantshan, 29.5.1951, Farahbaks collected.

From Iran previously recorded by Putshkov 1965 (without exact locality).

Species widely distributed in Turkomanistan, Tajikistan, Uzbekistan, South Kazakhstan, Iran and Afghanistan.

***Bagrada (Nitilia) gibbicollis* Horváth, 1936**

1 ♂ and 3 ♀♀ - N. Iran, Gholhak near Tehran, 1400 m., 2.10.1961 Klapperich collected.

From Iran previously not recorded, first record.

Species recorded from Anatolia only.

***Bagrada (Nitilia) concinna* Horváth, 1936**

2 ♀♀ - C. Iran, Kerman province, Rafsandjan, 22.3.1973 (loc. no. 131). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from Sudv by Hováth 1936 as *Bagrada concinna* var. *biramosa* Horváth.

Recorded from Transcaucasia, Syria and Iran.

***Stenozygum speciosum* (Dallas, 1851)**

57 ♂♂, 82 ♀♀ and 4 nymphs - S.E. Iran, Baluchestan, Ghasamabad, valley of

the river Bampur, 10 km. E. of Bampur, 11.-12.4.1973 (loc. no. 157). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 2 ♂♂ and 1 ♀ - S.E. Iran, Baluchestan, 26.3.1950 Scharif collected, 1 ♀ - S.E. Iran, Baluchestan, Bahu-Kalat, 1.7.1950 Famouri collected.

In Iran previously recorded from Baluchestan, Iranshahr (Seidenstücker 1957, Hoberlandt 1959) and Bampur (Kiritshenko 1966).

Species of Sindo-Iranian distribution, recorded from India and Iran.

***Pseumatocoris ignitus* Kiritshenko, 1922**

1 ♂ and 2 ♀ - S. Iran, Abbassi, Kuh-e Geno, 1800 - 2100 m., 5.5.1977 (loc. no. 322). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ - S.W. Iran, Khuzestan, Kosyam-tshom, 29.5.1951 Farahbash collected, 1 ♀ - W. Iran, Kermanshahan, Mehran, 30.3.1960 Salavatian collected.

In Iran previously recorded from Kermanshahan, Dehloran (Hoberlandt 1954).

Species of Eremian distributin, recorded from Iraq, Iran, Israel and Afghanistan.

***Eurydem maracandicum* (Oshanin, 1879)**

1 ♂ - N. Iran, Gorgan province, vicinity of Dasht, Wildlife Park, 650 m., 27.-30.7.1970 (loc. no. 77), 1 ♀ - N. Iran, Central province, Alborz, Kandavan pass, 2781 m., south slope, 4.-9.7.1977 (loc. no. 395). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ - N. Iran, Kilangharh, 20.2.1942 Farahbakh collected, 1 ♀ - N. Iran, Central province, Varadin, 20.2.1942 Faranbakh collected, 1 ♂ and 4 ♀♀ - N. Iran, Gorgan, 21.6.1948 Salavatian collected, 1 ♂ - N. Iran, Pod-e-zohah, 12.5.1951 Vakilian acollected, 1 ♀ - N. Iran, Gorgan province, Ali-abad, 15.6.1948 Schariff collected, 1 ♀ - C. Iran, Central province, Kachan, 16.6.1948 Mirzayans collected.

In Iran previously recorded from N. Iran, Karadj (Lindberg 1938).

Species distrubuted through whole Middle Asia, N. Iran and Afghanistan.

***Eurydema ventrale* Kolenati, 1846**

2 ♀♀ - N. Iran, Gorgan province, vicinity of Dasht, Wildlife Park, 650 m., 27.-30.7.1970 (loc. no. 77), 1 ♀ - C. Iran, Kerman province, Mahan, 1700 m., 23.-24.3.1973 (loc. no. 133), 1 ♂ and 1 ♀ - N. Iran, Gorgan province, Robate-Ghareh Bil, east part of Wildlife Park, 1000 m., 30.7.1970 (loc. no. 78), 4 ♂♂ and 2 ♀♀ - E: Iran, Kerman province, Mahammad-abad, 35 km. N.N.W. of Sabzevaran, 3.-5.5.1973, 1000 - 1600 m., on the road between Deh Bakri and Sabzevaran (loc. no. 187), 1 ♂ and 3 ♀♀ - S.E. Iran, Baluchestan, 30 km. W. of Bampur, 12.-13.4.1973 (loc. no. 159), 1 ♂ and 1 ♀ - S. Iran, Fars, Tang-e Chagan-e Olia, ruins of Bishapur, 1000 m., 10.6.1973 (loc. no. 233), 1 ♂ - S. Iran, Fars, E. Zagros, pass 48 km. N. of

Massiri, 2230 m., 12.6.1973 (loc. no. 238), 1 ♀ – S. Iran, Fars, E. Zagros, Sisakht, 13.6.1973, 2408 m. (loc. no. 240), 1 ♀ – S. Iran, Fars, E. Zagros, Dena, 2500 m., S.W. slope 9 km. N.N.E. of Sisakht, 13.–14.6.1973 (loc. no. 241), 1 ♂ – S. Iran, Fars, E. Zagros, 29 km. E. of Yasuj and 10 km. S.W. of Karun, 2300 m., 16.–17.6.1973 (loc. no. 245), 2 ♂ and 4 ♀♀ – N. Iran, Tehran-Evin, 26.6.–2.7.1973 (loc. no. 260), 1 ♂ and 1 ♀ – N.W. Iran, Gilan, 10 km. N.W. of Zanjan, on the road Zanjan – Mianeh, 4.–5.7.1973 (loc. no. 264), 1 ♂ – N.W. Iran, Azarbaijan, 21 km. S.E. of Shahpur on the road Khoy – Rezaieyeh, 6.7.1973 (loc. no. 269), 1 ♂ and 1 ♀ – S. Iran, Abbassi, 17 km. N.E. of Rudan, road tunnel No. 7, 16.5.1977 (loc. no. 231), 1 ♂ – S. Iran, Kerman province, 33 km. E. of Sabzevaran, 17.5.1977 (loc. no. 335), 1 ♂ – S. Iran, Kerman province, Saghdar 30 km. N.N.E. of Sabzevaran, 1650 m., 17.–19.5.1977 (loc. no. 337), 1 ♂ and 3 ♀♀ – S. Iran, Kerman province, Chashmeh-ye Sargaz, 50 km. W. of Sabzevaran, 1650 m., 20.–21.5.1977 (loc. no. 339), 1 ♀ – N. Iran, Gorgan province, Golestan forest, Mazarli, 20 km. N.W. of Dasht, 530 m., 19.–21.6.1977 (loc. no. 376), 1 ♀ – N. Iran, Mazandaran, Istgah-e Zirab, 24.–26.6.1977 (loc. no. 382), 1 ♂ – N. Iran, Central province, Alborz, Kandavan pass, south slope, 2780 m., 4.–9.7.1977 (loc. no. 395), 1 ♂ and 6 ♀♀ – N. Iran, Central province, Hastgerd on road Karadj – Ghazvin, 10.7.1977 (loc. no. 399), Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 2 ♂♂ – N. Iran, Pol-e Zohab, 12.5.1951 Vakilian collected, 1 ♀ – N. Iran, Gorgan, 2.7.1968 Salavatian collected, 7 ♂♂ and 6 ♀♀ – N. Iran, Gholhak near Tehran, 1400 m., 5.10.1961 Klapperich collected.

In Iran previously recorded from N. Iran, Gorgan, Shahgoli (Wagner 1968).

Species of Holomediterranean distribution extending far into Central Europe, in S.W. Asia recorded from Turkey, Israel, Syria, Transcaucasia, Caucasus, Iran; recorded from Middle Asia.

***Eurydema laticolle* Horváth, 1907**

2 ♂♂ – S. Iran, Fars, E. Zagros, mountain pass 27 km. E. of Yasuj and 10 km. N.W. of Karun, 2650 m., 16.6.1973 (loc. no. 244), 1 ♀ – S. Iran, Kerman province, Ferdows-e Esfandagheh, 21.5.1977 (loc. no. 240), 1 ♀ – N. Iran, Central province, 8 km. N.E. of Ziarn, 2400 m., 10.–16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – W. Iran, Kermanshahan, Ilam, 31.1.1925 Salavatian collected, 1 ♂ – N. Iran, Tehran, 3.5.1948 Sarkissian collected, 1 ♂ – W. Iran, Central province, Arak, Ab-barik, 3.11.1949 Nabizadeh collected, 1 ♂ – W. Iran, Kermanshahan, Naft-e Shah, 25.5.1950, Farakbakhah collected, 4 ♂ and 2 ♀♀ – N. Iran, Gholhak near Tehran, 1700 m., 3.5.1961 Klapperich collected.

In Iran previously recorded by Oshanin 1910 as *Eurydema laticolle* var. *discors* Horváth, and 1912; from W. Iran, Kermanshahan, Mekran; Central province, Arak, Ak-barik; N.W. Iran, Azarbaijan, Tilgara, Ardabil (as *Eurydema laticolle* var. *hypoxanthum* Horváth); N. Iran, Gorgan province, Ali-abad (Hoberlandt 1959).

Species recorded from Iran only.

Eurydema ornatum (Linnaeus, 1758)

21 ♂ – N. Iran, Mazandaran, Beshahr, 25.7.1970 (loc. no. 72), 1 ♀ – N. Iran, Gorgan province, vicinity of Dasht, Wildlife Park, 650 m., 27.–30.7.1970 (loc. no. 77), 1 ♀ – S.E. Iran, Baluchestan, Khash, 15.–16.4.1973 (loc. no. 166), 1 ♂ – E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Barez, 1700 – 1750 m., 30.4.–3.5.1973 (loc. no. 186), 2 ♂♂ and 4 ♀♀ – E. Iran, Kerman province, Mohammadabad, 35 km. N.N.W. of Sabzevaran, 1600 m., 3.–5.5.1973 (loc. no. 187), 1 ♂ and 1 ♀ – E. Iran, Kerman province, Sabzevaran, 5.–6.5.1973 (loc. no. 188), 1 ♀ – S. Iran, Fars, E. Zagros, Kushk, 42 km. N. of Masiri, 1800 m., 12.6.1973 (loc. no. 237), 1 ♂ and 1 ♀ – N. Iran, Tehran-Evin, 26.6.1973 (loc. no. 260), 1 ♀ – N.W. Iran, Azarbaijan, Jabal Kandi, 38 km. W. of Rezaiyeh, on the west bank of the lake Rezaiyeh, 6.7.1973 (loc. no. 270), 1 ♀ – W. Iran, Central province, 10 km. N.E. of Istgah-e Meshkabad, 57 km. N. of Arak, 8.4.1977 (loc. no. 280), 1 ♀ – S.W. Iran, Lorestan, Pol-e tang, 60 km. N.W. of Andimeshk on the river Saimareh, 490 m., 10.–11.4.1977 (loc. no. 284), 1 ♂ – S.W. Iran, Khuzestan, Ahwaz, 14.–16.4.1977 (loc. no. 289), 1 ♂ and 5 ♀♀ – S. Iran, Kerman province, Chashmeh-ye Sargaz, 50 km. W. of Sabzevaran on the road Sabzevaran – Esfandagheh, 1650 m., 20.–21.5.1977 (loc. no. 339). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ – N. Iran, Gilan, Firuzabad, 20.1.1932 Kakhvoulis collected, 1 ♂ and 1 ♀ – W. Iran, Azarbaijan, Miyandoab, 5.4.1940 Farakhabach collected, 1 ♂ – N. Iran, Central province, Ghazvin, 29.5.1948 Mirzayans collected, 1 ♂ – N. Iran, Gorgan, 21.6.1948 Salavatian collected, 2 ♂♂ and 1 ♀ – N. Iran, Central province, Varamin, 7.4.1948, 1 ♂ – S. Iran, Fars, Shiraz, 15.7.1949, 1 ♂ – N. Iran, Mazandaran, Beshahr, 30.5.1958 Mirzayans collected, 1 ♂ – W. Iran, Kermanshahan, Qasr-e Shirin, Naft-e Shirin, 22.4.1950, 1 ♂ – W. Iran, Kermanshahan, Mekran, 2.5.1950 Farakhabach collected, 1 ♀ – C. Iran, Esfahan, 4.6.1948 Mirzayans collected, 1 ♂ – N. Iran, Tehran, Bon-kuh, 1.9.1949 Aellen collected, 1 ♀ – N. Iran, Gholhak near Tehran, 1700 m., 1.10.1961 Klapperich collected.

In Iran previously recorded from N. Iran, Gorgan, Shaku (Jakovlev 1877, Kiritshenko 1911, 1949), Karadj (Lindberg 1938), Shianuce (Miyamoto 1963), Mazandaran, Babolsar, Central province, Ghazvin, Varamin, S. Iran, Abbassi, Jask (Hoberlandt 1959), N. Iran, Gorgan province, Aliaabad, Koljata, Shahrud, Shahiasane-Ashref, E. Iran, Kerman province, Sabzevaran (Djiroft) (Kiritshenko 1949), N. Iran, Tehran (Kiritshenko 1966); Iran (Oshanin 1906); E. Iran, Kerman province, Anbarabad (Seidenstücker 1958), N. Iran, Mazandaran, Nowshahr, Bostam, Rondak, Firuzabas (Chalus), Kuh Aname, Orzovieh; Central province, Varamin, Gharaghadj, Karadj, Ultan (Dakhte Moghan); Gorgan province, Kalardasht, Golestan forest; Khorassan, Bojnurd; Esfahan (Wagner 1968).

Species of Palaemediterranean distribution penetrating into Central Europe, in S.W. Asia recorded from Turkey, Iran, Iraq, Israel and Afghanistan; Further recorded from Himalaya, China and Mongolia.

Eurydema gusakowskii Kiritshenko, 1952

1 ♀ – S. Iran, Fars, Shiraz, 21.3.1962 Safavi collected.

Previously not recorded from Iran, first record.

Hitherto recorded from Tajikistan and Uzbekistan.

Eurydema rugulosum (Dohrn, 1860)

1 ♂ – S.E. Iran, Baluchestan, 30 km. N. of Bampur, 12.–13.4.1973 on the road between Bampur and Bazman (loc. no. 159). Collected by the Czechoslovak-Iranian expedition.

Previously not recorded from Iran, first record.

Species of East-Mediterranean distribution, penetrating into East Africa; in S.W. Asia recorded from Anatolia, Israel, Syria, Anatolia and Iran.

Eurydema pulchrigenum Kiritshenko, 1925

1 ♀ – N.W. Iran, Azarbaijan, Zonus Chay, 66 km. N. of Marand, 20.6.1970 (loc. no. 25), 3 ♂♂ and 2 ♀♀ – N. Iran, Mazandaran, 15 km. S.W. of Chalus, 490 m., 4.7.1977 (loc. no. 394), 3 ♂♂ and 1 ♀ – N. Iran, Central province, Alborz, Kandavan pass, south slope, 2780 m., 6.7.1977 (loc. no. 395). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – S. Iran, Bushehr, 30.1.1950, Babi collected, 1 ♀ – N. Iran, Tehran-Evin, 16.8.1971 Sabzevaran collected.

Previously not recorded from Iran, first record.

Hitherto recorded from Turkomanistan and Alai range (Uzbekistan) and from Tajikistan.

Eurydema persicum Lindberg, 1938

1 ♀ – N. Iran, Tehran-Evin, 1700 m., 9.3.1973 (loc. no. 123), Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ – S. Iran, Fars, Shiraz, 25.3.1964 Safavi collected. 1 ♂ – spec. typ. – Mus. Helsinki, Teheran, 1936 Brandt, spec. typ no. 11833. *Eurydema persicum* Lindberg 1939. And *E. persicum f. adfluens* Lindb. – 1 ♂ – Tehran, Karadj. F. Brandt – Mus. Helsinki.

Hitherto recorded only from N. Iran.

Eurydema formosum Puton, 1895

1 ♀ – E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Barez, 1700 – 1750 m., 30.4.–3.5.1973 (loc. no. 186), 1 ♀ – N. Iran, Central province, Alborz, Kuhhayeh Tochal, 3500 m., 30.6.1973 (loc. no. 262), 1 ♂ – C. Iran, Central province, 42 km. W. of Arak on the road Arak – Borujerd, 8.4.1977 (loc. no. 281). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – S. Iran, Abbassi, Bandar Abbas, 20.4.1949, Esfandiari collected, 1 ♀ – N. Iran, Central province, Varamin, 15.4.1959 Safavi col-

lected, 1 ♀ – S. Iran, Fars, Sissakht, 4.6.1973 Iranshahr collected.

In Iran previously recorded from W. Iran, 70 km. E. of Kermanshah (Wagner 1968).

Species recorded from S. Anatolia (Ekbaz, Gaziantep) within northern range of Syrian steppe region.

Eurydema putoni Jakovlev, 1870

3 ♂♂ and 1 ♀ – E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Barez, 1700 – 1750 m., 30.4.–3.5.1973 (loc. no. 186), 1 ♀ – N.E. Iran, Khorassan, Soghand, S. slope of Kuh-e Binalud, 15 km. N.E. of Nishabur, 1600 – 2300 m., 13.6.1977 (loc. no. 365), 3 ♂♂ and 2 ♀♀ – N.E. Iran, Khorassan, 20 km. N.E. of Sabzevar, 15.6.1977 (loc. no. 367), 7 ♂♂ and 3 ♀♀ – N.E. Iran, Khorassan, 20 km. W. of Sabzevar, 1800 m., on the road between Sabzevar and Esfarayen, 16.6.1977 (loc. no. 370), 1 ♀ – N.E. Iran, Khorassan, Rishi, south foot of Kuh-e Shah Yahan, 20 km. S.E. of Esfarayen, 1350 m., 16.–17.6.1977 (loc. no. 372). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – E. Iran, Kerman, 23.6.1950 Sarkissian collected, 1 ♀ – S.W. Iran, Kermanshah, Mehran, 29.5.1950 Farahbakh collected, 1 ♀ – S.E. Iran, Baluchestan, Bahu-Kalat, 3.6.1950 Famouri collected, 1 ♀ – E. Iran, Sistan, Nelibid – Bam, 6.5.1948 Aellen collected, 1 ♀ – S. Iran, Fars, Fassa-Shiraz, Safavi collected.

Previously records from Iran: N. Iran, Shahrud, Shahkuh, Derbent (Jakovlev 1877, 1881 as *f. coloratum* Jak.), Oshanin 1906 and 1912 as *Strachia putomi* Jak. N.W. Iran, Azarbaijan, Karadagh; Gilan, Molla-Ali, Pa-tshinar, Rustamabad (as *f. pauperum* Kir.) (Kiritshenko 1922), S.W. Iran, Khuzistan, Irak-Adzhemi; Bakhtiari, Lorestan (Kiritshenko 1922); N. Iran, Shahrud and *f. distincta* Jak and *f. colorata* Jak. (Kiritshenko 1938); Karadj (Lindberg 1938); S.W. Iran, Khuzestan, Kakhvarokh, Nagun (as *f. zarudnyi* Kir., Kiritshenko 1922).

Species recorded from N. and N.E. Iran and from E. Afghanistan.

Eurydema oleraceum (Linnaeus, 1758)

1 ♂ and 1 ♀ – N.W. Iran, Azarbaijan, Golmankhaneh, 30.4.1965 Kahuni collected, 1 ♂ and 2 ♀♀ – N. Iran, Gorgan province, Gonbad-e-qalus, 23.6.1965. 1 ♂ and 2 ♀♀ – N. Iran, Mazandaran, Alborz, Chalus pass, 2600 – 2900 m., 2.9.1960 Klapperich collected.

In Iran previously recorded from N. Iran, Khorassan, 120 km. W. of Bojnurd; Gorgan province, Golestan forest (Wagner 1968).

Species of Eurosiberian distribution, is S.W. Asia recorded from Anatolia, Caucasus, Transcaucasia, Israel; Middle Asia.

Acrosternum heegeri Fieber, 1861

1 ♀ – N. Iran, Gorgan province, Feyz-abad, 25 km. E. of Gorgan, 27.7.1970 (loc. no. 75), 2 ♀♀ – S.E. Iran, Baluchestan, Tis, 6.–7.4.1973 (loc. no. 150), 1 ♀ – S. E.

Iran, Baluchestan, 40 km. N.W. of Pashkuh, 29.3.1973 (loc. no. 139), 1 ♀ – S.E. Iran, Baluchestan, Sekand, 27 km. E.N.E. of Sarbaz, 31.3.–1.4.1973 (loc. no. 144), 2 ♀♀ – S. Iran, Kerman province, 7 km. W. of Kakhom, 20 km. S.W. of Hajiabad, 28.5.1973 (loc. no. 215), 1 ♀ – S. Iran, Abbassi, Baghu, 22 km. N.E. of Bandar Abbas, 16.5.1973 (loc. no. 199 a), 1 ♀ – S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.–10.6.1973 (loc. no. 229), 3 ♂♂ and 1 ♀ – S.W. Iran, Lorestan, Pol-e Tang, 60 km. N.W. of Andimeshk, 490 m., 10.–11.4.1977 (loc. no. 284), 2 ♀♀ – S. Iran, Bushehr province, Baghak, 15 km. W. of Ahram, 19.–20.4.1977 (loc. no. 301), 1 ♂ and 6 ♀♀ – S. Iran, Abbassi, Jashak, 60 km. S.E. of Khormuj, 110 m., 20.–21.4.1977 (loc. no. 304), 2 ♂♂ and 1 ♀ – S. Iran, Abbassi, Konardan, 30 km. E. of Gav bandi, 210 m., 23.–24.4.1977 (loc. no. 208), 1 ♀ – S. Iran, Abbassi, 25 km. N.W. of Khamir, 26.–27.4.1977 (loc. no. 317), 7 ♀♀ – S. Iran, Abbassi, Kuh-e Geno, 600 – 1000 m., 15 km. N.W. of Issin, 27.–28.4.1977 (loc. no. 318), 1 ♂ and 2 ♀♀ – S. Iran, Abbassi, Issin, 28.4.–6.5.1977 (loc. no. 320), 2 ♀♀ – S. Iran, Abbassi, Senderk, S. of Bashagerd, 300 m., 11.–12.5.1977 (loc. no. 327), 1 ♀ – S. Iran, Abbassi, Minab, 13.5.1977 (loc. no. 328), 1 ♀ – S. Iran, Abbassi, Ziarat, 23 km. S. of Minab, 14.–15.5.1977 (loc. no. 330), 1 ♂ – S. Iran, Abbassi, 17 km. N.E. of Rudan, road tunnel No. 7, 15.5.1977 (loc. no. 331), 2 ♀♀ – S. Iran, Kerman province, 43 km. N. of Kahnuj, 540 m., 16.–17.5.1977 (loc. no. 334), 1 ♂ and 1 ♀ – S. Iran, Kerman province, Saghdar, 50 km. N.N.E. of Sabzevaran, 1650 m., 17.–19.5.1977 (loc. no. 337), 1 ♀ – S. Iran, Kerman province, 16 km. W. of Sabzevaran, 820 m., 19.–20.5.1977 (loc. no. 338), 1 ♂ – S.E. Iran, Kerman province, 12 km. N.W. of Dowlat-abad, 21.5.1977 (loc. no. 341), 1 ♂ and 1 ♀ – C. Iran, Kerman province, Pusht-e Kuh, 50 km. N.W. of Dowlat-abad, 1700 m., 21.–22.5.1977 (loc. no. 343), 5 ♀♀ – C. Iran, Kerman province, Ghanat-e Marvan, Kuh-e Lalehsar, 2850 m., 22.–24.5.1977 (loc. no. 345), 1 ♀ – S.E. Iran, Kerman province, Mahan, 30.–31.5.1977 (loc. no. 351), 1 ♀ – N.E. Iran, Khorassan, Soghand, S. slope of Huh-e Binalud, 15 km. N.E. of Nishabur, 1600 – 2300 m., 15.6.1977 (loc. no. 365), 1 ♀ – N.E. Iran, Khorassan, Kalat on the road Esfarayen – Bojnurd, 17.6.1977 (loc. no. 375). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ – N. Iran, Mazandaran, Gothabad, 12.9.1948, 1 ♂ and 1 ♀ – Bashahr, 14.9.1948 Aellen collected, 1 ♀ – N. Iran, Gorgan province, 20.7.1949, 1 ♀ – N. Iran, Gilan, Lahijan, 20.8.1948 Sadayhiani collected.

In Iran previously recorded from S.E. Iran, Baluchestan, Sarbaz, Saravan (Hoberlandt 1954), Tis, Iranshahr, Niewaran (Seidenstücker 1957).

Species of Holomediterranean distribution, in S.W. Asia recorded from Israel, Syria, Anatolia, Iran, Arabia. Recorded also from Somalia and Madagascar.

***Acrosternum millierei* (Mulsant et Rey, 1866)**

1 ♂ – W. Iran, Lorestan, E. Zagros, Marg-e Malek, 30 km. E. of Kuhrang, 3200 m., 1.7.1970 (loc. no. 39), 1 ♀ – S. Iran, Fars, Shiraz, 4.7.1970 (loc. no. 42), 1 ♂ – S. Iran, Fars, 30 km. E. of Sahl-abad (Lake Bakhtegan), 7.7.1970 (loc. no. 47), 1 ♂ – N. Iran, Tehran-Evin, 1700 – 2000 m., 9.3.1973 (loc. no. 123), 5 ♂ and 2 ♀♀ – S.E. Iran,

Baluchestan, Bahu-Kalat, 68 km. S. of Rask, 3.-4.4.1973 (loc. no. 147), 5 ♀♀ - S.Iran, Baluchestan, Tis, 6.-7.4.1973 (loc. no. 150), 1 ♀ - S.E. Iran, Baluchestan, 9 km. S. of Espakeh, 10.4.1973 (loc. no. 155), 1 ♀ - S.W. Iran, Baluchestan, Iranshahr, 12.4.1973 (loc. no. 158), 1 ♀ - E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Barez, 1700 - 1750 m., 30.4.-3.5.1973 (loc. no. 186), 1 ♀ - E. Iran, Kerman province, Mohammad-abad, 35 km. N.N.W. of Sabzevaran, 1600 m., 3.-5.3.1973 (loc. no. 187), 1 ♂ - E. Iran, Kerman province, Banu-e Charehar, 1800 - 2000 m., 25 km. N.W. of Sowdgan, 8.5.1973 (loc. no. 191), 1 ♂ - S. Iran, Kerman province, Dowlat-abad, 85 km. E. of Hajiabad, 8.-9.5.1973 (loc. no. 192), 1 ♂ and 1 ♀ - S. Iran, Abbassi, Issin, 45 km. N.W. of Bandar Abbas, 11.-15.5.1973 (loc. no. 198), 1 ♂ and 1 ♀ - S. Iran, Abbassi, Baghu, 22 km. N.E. of Bandar Abbas, 18.5.1973 (loc. no. 199 a), 4 ♂♂ and 6 ♀♀ - S. Iran, Abbassi, Minab, 19.-20.5.1973 (loc. no. 203), 1 ♂ and 1 ♀ - S. Iran, Fars, lake Maharlu, 5.-6.6.1973 (loc. no. 227), 4 ♀♀ - S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.-10.6.1973 (loc. no. 229), 1 ♂ and 1 ♀ - S.W. Iran, Lorestan, Pol-e Tang, 60 km. S.E. of Andimeshk, 490 m., 10.-11.4.1977 (loc. no. 284), 1 ♀ - S. Iran, Bushehr province, Jashak, 60 km. S.E. of Khormuj, 110 m., 20.-21.4.1977 (loc. no. 304), 1 ♂ - S. Iran, Bushehr province, 12 km. N.W. of Kangan, 70 m., 21.-22.4.1977 (loc. no. 305), 3 ♂♂ and 2 ♀♀ - S. Iran, Fars, Konardan, 36 km. E. of Gav Bandi, 210 m., 23.-24.4.1977 (loc. no. 309), 3 ♂♂ - S. Iran, Abbassi, Chah-kuh, 15 km. N.E. of Bandar-e Lengeh, 25.-26.4.1977 (loc. no. 313), 2 ♂♂ and 5 ♀♀ - S. Iran, Abbassi, 25 km. N.E. of Khamir, 26.-27.4.1977 (loc. no. 317), 8 ♂♂ and 5 ♀♀ - S. Iran, Abbassi Kuh-e Geno, 600 - 1000 m., 15 km. N.W. of Issin, 27.-28.4.1977 (loc. no. 318), 11 ♂♂ and 9 ♀♀ - S. Iran, Abbassi, Issin, 28.4.-6.5.1977 (loc. no. 320), 1 ♂ - S.Iran, Bushehr province, Shirinu, 25 km. S.E. of Taheri, 22.-23.4.1977 (loc. no. 307), 1 ♂ and 2 ♀♀ - S. Iran, Abbassi, Kuh-e Geno, 1600 - 2100 m., 5.5.1977 (loc. no. 322), 7 ♂♂ and 2 ♀♀ - S. Iran, Abbassi, Bagh-e Tang, 8 km. W. of Geno, 410 m., 7.-9.5.1977 (loc. no. 323), 1 ♀ - S. Iran, Abbassi, Dar-pahn, 12 km. E. of Senderk, 300 m., 11.-12.5.1977 (loc. no. 326), 4 ♂♂ and 1 ♀ - S. Iran, Abbassi, Senderk. S. of Bashagerd, 220 m., 12.-13.5.1977 (loc. no. 327), 5 ♂♂ - S. Iran, Abbassi, Minab, 13.5.1977 (loc. no. 328), 1 ♀ - S. Iran, Abbassi, Bila'i, 40 m., 13.-14.5.1977 (loc. no. 329), 4 ♂♂ and 4 ♀♀ - S. Iran, Abbassi, Ziarat, 57 km. S. of Minab, 14.-15.5.1977 (loc. no. 330), 2 ♂♂ and 4 ♀♀ - S. Iran, Abbassi, 17 km. N.E. of Rudan, road tunnel N. 7.-15.5.1977 (loc. no. 351), 1 ♂ - S. Iran, Kerman province, Bargah, 650 m., 35 km. S. of Kahnuj, 15.-16.5.1977 (loc. no. 332), 1 ♂ and 1 ♀ - S. Iran, Kerman province, Saghdar, 30 km. N.N.E. of Sabzevaran, 1650 m., 17.-18.5.1977 (loc. no. 337), 1 ♀ - S. Iran, Kerman province, Chashmeh-ye Sargaz, 50 km. W. of Sabzevaran, 1650 m., 20.-21.5.1977 (loc. no. 339), 1 ♂ and 1 ♀ - S.E. Iran, Kerman province, 12 km. N.W. of Dowlat-abad, 21.4.1977 (loc. no. 341), 3 ♀♀ - C. Iran, Kerman province, Pusht-e Kuh, 50 km. N.W. of Dowlat-abad, 1700 m., 21.-22.5.1977 (loc. no. 343), 3 ♂♂ and 2 ♀♀ - S. Iran, Kerman province, Ghanat-e Marvan, south foot of Kuh-e Lalehsar, 2850 m., 22.-24.5.1977 (loc. no. 345), 1 ♀ - S.E. Iran, Kerman province, Shahdad, 670 m., 31.5.-1.6.1977 (loc. no. 353), 1 ♂ - N.E. Iran, Khorassan, 20 km. N.E. of

Sabzevar, 15.6.1977 (loc. no. 367), 1 ♀ – N. Iran, Central province, Alborz, Kandavan pass, 2780 m., 4.–9.7.1977 (loc. no. 395). Collected by the Czechoslovak–Iranian expeditions.

Further material examined: 1 ♂ – C. Iran, Esfahan province, Yazd, 15.8.1947 Zamorodi collected, 1 ♀ – S.E. Iran, Baluchestan, Sarbaz, 23.2.1947 Salavatian collected, 1 ♀ – S.E. Iran, Baluchestan, Saravan, 4.6.1947 Bashirdahi collected, 1 ♀ – W. Iran, Kermanshah, Ghosri-Shirine, 2.5.1950 Farah-Bahseh collected, 1 ♀ – S.E. Iran, Baluchestan, Khash, 1300 m., 18.5.1948 Aellen collected, 2 ♂♂ and 1 ♀ – E. Iran, Kerman province, Ali-abad, 2.5.1948, 1 ♂ – E. Iran, Sistan, Nosrat-abad, 11.5.1948, 3 ♂♂ – N. Iran, Khorassan, Birjand, 24.5.1948 Aellen collected.

In Iran previously recorded from S.E. Iran, Baluchestan, Sarbaz (Hoberlandt 1954), E. Iran, Kerman province, Kheyr-abad, C. Iran, Semnan province, Damgan (Kiritshenko 1949), N. Iran, Central province, Ghom (Wagner 1961), E. Iran, Kerman province, Sabzevaran (Jiroft) (Kiritshenko 1966), Ali-abad (Seidenstücker 1958), S.E. Iran, Baluchestan, Khash (Kiritshenko 1966), Iranshahr, Sangum. Kuh-e Taftan (Seidenstücker 1957), S.E. Iran, Baluchestan, Shurab (Miyamoto 1963).

Species of Mediterranean distribution, restricted to the southern part of the area; in S.W. Asia recorded from Anatolia, Syria, Israel, Iraq, Iran and Arabia.

***Acrosternum arabicum* Wagner, 1959**

1 ♂ – S.E. Iran, Baluchestan, 25 km. W. of Ghasre-Ghand, 9.–10.4.1973 (loc. no. 153), 1 ♂ – E. Iran, Sistan, Kahurak, 23.–24.4.1973 (loc. no. 176), 1 ♂ – S. Iran, Abbassi, Minab, 19.–20.5.1973 (loc. no. 203), 1 ♂ – S. Iran, 16 km. N. of Jask, 22.–23.5.1973 (loc. no. 203), 1 ♂ – S. Iran, Abbassi, Konardan, 36 km. E. of Gav Bandi, 210 m., 23.–24.4.1977 (loc. no. 309), 1 – S. Iran, Abbassi, Chah-kuh, 15 km. N.E. of Bandar-e Lengeh, 25.–26.4.1977 (loc. no. 313), 1 ♂ – S. Iran, Abbassi, Kuh-e Geno, 600 – 1000 m., 15 km. N.W. of Issin, 27.–28.4.1977 (loc. no. 318), 1 ♂ – S. Iran, Abbassi, Issin, 28.4.1977 (loc. no. 320), 1 ♂ – S. Iran, Abbassi, Senderk S. of Bashagerd, 220 m., 12.–13.5.1977 (loc. no. 327), 1 ♂ – S. Iran, Abbassi, Ziarat, 23 km. N.W.N. of Bila'i, 14.–15.5.1977 (loc. no. 330), 1 ♀ – S. Iran, Abbassi, 17 km. N.E. of Rudan, road tunnel No. 7, 15.5.1977 (loc. no. 331), 1 ♂ – C. Iran, Kerman province, Ghanat-e Marvan, south foot of Kuh-e Lalehsar, 2850 m., 22.–24.5.1977 (loc. no. 345), 1 ♂ – N.E. Iran, Khorassan, 20 km. N.E. of Sabzevar, 15.6.1977 (loc. no. 367). Collected by the Czechoslovak–Iranian expeditions.

In Iran previously recorded from N. Iran, Tehran, Shahrud, S.E. Iran, Baluchestan, Nokaush, Bampur (Putshkov 1965).

Eremian species widely distributed through Saudi Arabia, Iran, Transcaucasia; Middle Asia and Afghanistan.

***Acrosternum breviceps* (Jakovlev, 1890)**

1 ♀ – S. Iran, Central province, Kachan, 10.6.1950 Mirzayans collected.

In Iran previously recorded from N. Iran, Central province, Varamin, Gharaghadj,

E. Iran, Abbassi, Bandar-e Lengeh (Wagner 1968).

Species recorded from Transcaucasia, Middle Asia, Iran and Afghanistan.

***Nezara viridula* (Linnaeus, 1758)**

1 ♂ – E. Iran, Kerman province, Deh Bakri, Kuh-e Jebal Bares, 1700 – 1750 m., 30.4.–3.5.1973 (loc. no. 186), 9 ♂♂ and 12 ♀♀ – S. Iran, Kerman province, Chashmeh-ye Sargaz, 50 km. W. of Sabzevaran, 1650 m., 20.–21.5.1977 (loc. no. 339) (together with *f. torquata* Lin.). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 3 ♂♂ – N. Iran, Gilan, Lahijan, 200 m., 7:8.1961, 1 ♂ and 2 ♀♀ – N. Iran, Mazandaran, Khoramabad, 17.8.1961 Klapperich collected.

In Iran previously recorded from N. Iran, Mazandaran, Babolsan (Hoberlandt 1954), E. Iran, Kerman province, Anbar-abad (Seidenstücker 1958), N. Iran, Gilan, Lahijan (Wagner 1961), S. Iran, Fars, Shiraz, Djahrom, E. Iran Kerman province, Jiroft (Sabzevaran), S. Iran, Abbassi, Bandar Abbas, Gohra (Kiritshenko 1966), W. Iran, Kordestan, Orzonieh (Wagner 1968), N. Iran, Mazandaran, Ashref (Kiritshenko 1949, Hoberlandt 1954), N. Iran, Gorgan Gjaz (Jakovlev 1877, 1880) as *f. smaragdula* (Fab.), E. Iran, Kerman, Anbar-abad (Seidenstücker 1958, Kiritshenko 1966), N. Iran, Gorgan, Bandargaz, S.W. Iran, Khuzestan, Dezful (Hoberlandt 1954), N. Iran, Gilan, Rasht (Miyamoto 1963), as *N. viridula f. torquata* (Lin.).

Species of Holotropical distribution, in S.W. Asia recorded from Anatolia, Israel, Syria, Iran, Iraq; Transcaucasia and Caucasus, Afghanistan.

***Desertomenida albula* Kiritshenko, 1914**

8 ♂♂ and 7 ♀♀ – N.E. Iran, Khorassan, Sabzevar, 16.6.1977 (loc. no. 369). Collected by the Czechoslovak-Iranian expedition.

From Iran previously not recorded, first record.

The distribution of this species is restricted to Middle Asia (Turkomanistan, Uzbekistan, Kazakhstan) and Kirghizia. Recently recorded from Mongolia.

***Desertomenida jakovlevi* (Horváth, 1907)**

1 ♂ and 1 ♀ – E. Iran, Khorassan, 25 km. N.N.W. of Shusf, 6.6.1977 (loc. no. 359), on *Haloxylon persicum*. Collected by the Czechoslovak-Iranian expedition.

From Iran previously not recorded, first record.

Recorded from Transcaspien Turkomanistan (type-locality) and further from deserts in South Kazakhstan.

***Piezodorus lituratus* (Fabricius, 1794)**

1 ♂ – S. Iran, Fars, E. Zagros, Kushk, 42 km. N. of Massiri, 1800 m., 12.6.1973 (loc. no. 237), 5 ♂♂ and 3 ♀♀ – S. Iran, Fars, E. Zagros, pass 2230 m., 48 km N. of Masiri, 12.6.1973 (loc. no. 238), 1 ♀ – W. Iran, Azarbaijan, 26 km. S.S.E. of Khoy on the road Khoy-Rezayeh, 6.7.1973 (loc. no. 267). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ and 1 ♀ – S. Iran, Fars, Shiraz, Safavi collected.

In Iran previously recorded from N. Iran, Gorgan (Jakovlev, 1877), Mazandaran, Babolsar (Hoberlandt 1959), Gorgan province, Tangerah, Gonbad (Wagner 1966), N.E. Iran, Khorassan, Bojnurd (Wagner 1966), S. Iran, Fars, Abadeh (Kiritshenko 1966). Oshanin 1906 and 1912.

Species of Mediterranean origin extending far into European steppe and broad-leaved woodland zones. In S.W. Asia recorded from Israel, Syria, Anatolia, Iran, Transcaucasia and Caucasus; Kazakhstan and N. Kirghizia.

Piezodorus pallescens (Germar, 1837)

1 ♂ – S.E. Iran, Kerman province, Mahan, 30.–31.5.1977 (loc. no. 351). Collected by the Czechoslovak-Iranian expedition.

In Iran previously recorded from S.E. Iran, Baluchestan, Nikshahr (Hoberlandt 1959).

Species of African origin.

Piezodorus teretipes (Stal, 1865)

2 ♂♂ – S. Iran, Abbassi, Senderk, S. of Bashagerd, 220 m., 12.–13.5.1977 (loc. no. 327).

Further material examined: 1 ♂ – S.E. Iran, Baluchestan, Iranshahr, 23.–30.3.1949, Scharif collected.

From Iran previously not recorded, first record.

Species of Eremian distribution, recorded from Niger, Chad, the Sudan, Egypt, Iran, Somalia, Saudi Arabia and Yemen.

Pausias martini (Puton, 1890)

1 ♀ – S. Iran, Fas, Maro-Dasht, 1.5.1927 Jirsik collected, 2 ♂ and 4 ♀♀ – N. Iran, Gholhak near Tehran, 1400 m., 1.7.1961, 1 ♂ – N. Iran, Alborz, valley near Firushkuh, 2200 m., 16.7.1961 Klapperich collected.

In Iran previously recorded from N. Iran, Bedesht near Shahrud (Kiritshenko 1949), C. Iran, Esfahan (Hoberlandt 1959), W. Iran, Kordestan, Akinlou (Wagner 1961), E. Iran, Kerman, N. Iran, Central province, Gharaghadj (Hoberlandt 1954).

Species recorded from Syria, Anatolia, Iran, Iraq and Transcaucasia.

Anchesmus rubriplaga (Walker, 1867)

3 ♂♂ and 4 ♀♀ – S.E. Iran, Baluchestan, 3 km. N. of Rask, 2.–3.4.1973 (loc. no. 146), 1 ♂ – S. Iran, Abbassi, Issin, south slopes of Kuhha-ye Geno, 45 km. N.W. of Bandar Abbas, 11.–15.5.1973 (loc. no. 198), 1 ♂ and 2 ♀♀ – S. Iran, Abbassi, Baghu, 22 km. N.E. of Bandar Abbas, 16.5.1973 (loc. no. 199 a), 2 ♂♂ and 1 ♀ – S. Iran, Abbassi, Jelabi, 41 km. N.E. of Bandar Abbas, 16.5.1973 (loc. no. 199 b), 1 ♂ – S. Iran, Abbassi, Minab, 19.–20.5.1973 (loc. no. 203), 4 ♂♂ and 2 ♀♀ – S. Iran, Abbassi, Baghu-e Tang, 6 km. W. of Genu, 410 m., 50 km. N. of Bandar Abbas,

7.-9.5.1977 (loc. no. 323), 1 ♂ – E. Iran, Sistan, Kuh-e Khajeh, 430 m., 3.-5.6.1973 (loc. no. 357). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 2 ♂♂ and 3 ♀♀ – S. Iran, Fars, Lar, 14.5.1957 Safavi collected, 1 ♂ – S. Iran, Abbassi, Bagh-e Tang, 430 m., 7.-9.5.1977 Pazuki collected.

In Iran previously recorded from S.E. Iran, Baluchestan, Iranshahr (Seidenstücker 1957) and E.Iran, Kerman province, Anbar-abad (Seidenstücker 1958).

Eremian (Saudi Arabia), ranging into Oriental region.

Rhaphigaster nebulosa (Poda, 1761)

1 ♂ – N. Iran, Mazandaran, Duk Forest, 10 km. E. of Behshahr, 480 m., 23.-24.6.1977 (loc. no. 380), 1 ♂ – N. Iran, Central province, 8 km. N.E. of Ziari, 2400 m., 10.-16.7.1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♀ – W. Iran, Kermanshah, Quasr-e Shirin, 16.4.1951 Mirzayans collected, 2 ♀♀ – N. Iran, Central province, Karadj, 3.9.1970 and 20.5.1971 Sabzevari collected, 2 ♂♂ and 2 ?? – N. Iran, Central province, Gholhak near Tehran, 1400 m., 1.10.1961, 2 ♀♀ – N. Iran, Mazandaran, Alborz, Abu-Ask near Haraz, 4.6.1961, 1 ♀ – Alborz, Lashkarek valley, 1800 m., 1.10.1961, 1 ♂ – N. Iran, Central province, Varamin, 1000 m., 10.10.1961, 1 ♀ – Tehran-Evin, 1700 m., 14.10.1960 Klapperich collected.

In Iran previously recorded from N. Iran, Gorgan (Jakovlev 1877), W. Iran, Lorestan, Khoran-abad, N. Iran, Mazandaran, Shahi; Tehran-Shahrestanek (Hoberlandt 1954), N.W. Iran, Azarbaijan, Tabriz, Rondak (Wagner 1968). Oshanin 1906.

Species of Mediterranean origin, widely distributed in Europe, extending eastward as far as Tukomanistan and China. In S.W. Asia recorded from Israel, Anatolia, Iraq, Iran, Transcaucasia, Coacasus.

Pentatoma rufipes (Linnaeus, 1758)

1 ♂ – N. Iran, Gilan, Assalem, Rasht, 29.9.1970 Abai collected, 2 ♂♂ and 1 ♀ – N. Iran, Gilan, Assalem, 4.-7.8.1975 Mirzayans collected.

From Iran previously not recorded, first record.

Species of Eurosiberian distribution, in S.W. Asia recorded from Caucasus, Transcaucasia and Anatolia.

ASOPINAE

Pinthaeus sanguinipes (Fabricius, 1778)

1 ♂ – N. Iran, Gilan, Assalem, Parshsar, 950 m., 14.8.1974 Mirzayans and Abai collected.

Species from Iran previously not recorded, first record.

Species of Euro-Siberian distribution, in S.W. Asia recorded from Anatolia, Israel and Transcaucasia.

Andrallus spinidens (Fabricius, 1787)

1 ♂ – S. Iran, Abbassi, Issin, 28.4.–6.5.1977 (loc. no. 320). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ – S.W. Iran, Khuzestan, 10 km. W. of Ahwaz, 2.7.1976 Pazuki and Abai collected.

In Iran previously recorded from S.W. Iran, Khuzestan, Dezful (Hoberlandt 1954).

Species of Intertropical distribution, in S.W. Asia recorded from Israel, Iraq and Iran, Anatolia; Caucasus.

Troilus luridus (Fabricius, 1775)

1 ♀ – N.W. Iran, Azarbaijan, 25 km. E. of Marand, 17.8.1970 (loc. no. 97). Collected by the Czechoslovak-Iranian expedition.

From Iran previously not recorded, first record.

Species of Eurosiberian distribution, in S.W. Asia recorded only from Transcaucasia; India, Burma; Himalaya.

Arma insperata Horváth, 1899

2 ♂♂ – N. Iran, Mazandaran, Chachsavar, 2.7.1970 Radjabi collected, 1 ♀ – N. Iran, Mazandaran, Nowshahr, 7.7.1977 Abai collected.

From Iran previously not recorded, first record.

Species hitherto recorded only from Greece.

Zicrona coerulea (Linnaeus, 1758)

1 ♂ and 1 ♀ – N.W. Iran, Azarbaijan, 20 km. S.E. of Marand, 5.–6.7.1973. Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ – N. Iran, Mazandaran, Bijar, 10.8.1949 Mirzayans collected, 1 ♂ and 1 ♀ – N.W. Iran, Azarbaijan, Asbalen (Sarab), 30.7.1970 Maim collected.

Species of Holarctic distribution with extension throughout the Oriental region and penetrating into Ethiopian region. In S.W. Asia recorded from Anatolia, Israel, Syria, Iran; Transcaucasia and Afghanistan.

In Iran previously recorded from C. Iran, Kachan (Hoberlandt 1954, Putshkov 1965).

There are further published records of Pentatomidae from Iran:

PODOPINAE

Ventocoris (Ventocoris) oblongus (Horváth, 1889) – N. Iran, Central province, Karadj (Lindberg 1938, Putshkov 1965), Gharaghadj (Hoberlandt 1954). Hitherto recorded only from N. Iran and Transcaucasia (Erevan and Ordubad).

Ventocoris (Ventocoris) trigonus Krynicki, 1871 – From Iran recorded by Oshanin 1910 and Putshkov 1965, without exact locality. Species of Holomediterranean distribution, extending into Central Europe. In S.W. Asia recorded from Turkey, Syria and Iran.

Ventocoris (Ventocoris) horvathi (Puton, 1896) – C. Iran, Central province, Arak, Ab-Bakir (Hoberlandt 1954). Species of Pontomediterranean distribution and recorded from Syria, N. Iraq, S. Anatolia, Iran and Transcaucasia.

Ventocoris (Selenodera) falcatus falcatus (Cyrille, 1787) – N. Iran, Alborz, Touchal (Hoberlandt 1954). Species with wide Mediterranean distributon. In S.W. Asia recorded from Israel.

Ventocoris (Selenodera) falcatus balassogloi (Horváth, 1889) – E. Iran, Kerman (Hoberlandt 1954). Species with restricted distribution in Uzbekistan, Kazakhstan and Iran.

Ventocoris (Selenodera) armeniacus (Kiritshenko 1938) – W. Iran, Azarbaijan, Azar Shahr; S. Iran, Fars, Dacht Argon, 60 km. S.W. of Shiraz (Wagner 1968). Distributed in Armenia, Anatolia and Iran.

Ventocoris (Selenodera) martini (Horváth, 1889) – Iran, without exact locality (Putshkov 1965). Species of Mediterranean origin penetrating far to the East. Morocco, Algeria, Egypt, Syria, Israel, Iran. Transcaucasia (Armenia) and Uzbekistan.

Leprosoma reticulatum (Herrich-Schäffer, 1851) – W. Iran, Kordestan, Dolatabad near Hamadan, N. Iran, Central province, Gharaghadj (Brown 1966). Species of Eremian distributin; Morocco, Egypt, Iran and Israel.

PENTATOMINAE

Menaccarus arenicola (Scholtz, 1846) – N. Iran, Shahrud (Jakovlev 1877, Oshanin 1906). Distributed in N. Africa, S. Europe, S.W. Asia and Middle Asia.

Menaccarus dohrnianus (Mulsant et Rey, 1866) – N. Iran, Shahrud (Jakovlev 1877, Oshanin 1906, 1912, Reuter 1900), S.E. Iran, Baluchestan, Khash (Kiritshenko 1966 as *Menaccarus divaricatus* Jak.). Species of Mediterranean distribution, recorded also from Middle Asia and in the Near East from Syria, Israel and Iran.

Sciocoris (Sciocoris) sulcatus Fieber, 1852 – S. Iran, Fars, 60 km. W. of Shiraz (Wagner 1968). Species of Mediterranean distribution, penetrating into Central Europe and in S.W. Asia recorded from Israel. Transcaucasia and Middle Asia.

Sciocoris (Sciocoris) umbrinus (Wolff, 1804) – Iran, without exact locality (Oshanin 1906, 1912 and Putshkov 1965). Species of Euro-Siberian distribution.

Sciocoris (Sciocoris) dilutus Jakovlev, 1903 – N. Iran, without exact locality (Putshkov 1965). Species recorded from Central Asia, Middle Asia, W. China, Mongolia and Afghanistan.

Sciocoris (Sciocoris) helferi Fieber, 1852 – Iran, without exact locality (Oshanin 1906, 1912 and Putshkov 1965). Species of wide Mediterranean distribution, recorded from S.W. Asia (Israel, Iran); Transcaucasia.

Sciocoris (Sciocoris) ribauti Wagner, 1953 – N. Iran, Central province, Kalardasht (Wagner 1968). Species of Mediterranean distribution.

Sciocoris (Sciocoris) homalonotus Fieber, 1852 – N. Iran, Central province, Shahiasane – Shahrud (Kiritshenko 1949). Species of Mediterranean distribution pe-

netrating into Central Europe; recorded from Cuacacus, Iran and Isreal.

Sciocoris (Neosciocoris) orientalis Linnavuori, 1961 – Iran without exact locality (Wagner 1965). Species of Eremian distribution.

Sciocoris (Neosciocoris) maculatus Fieber, 1882 – N. Iran, without exact locality (Putshkov 1965). Species of wide Mediterranean distribution, penetrating to Near East, Anatolia, Cyprus, Israel, Iran and Middle Asia.

Aelia sibirica Reuter, 1884 – N.W. Iran, Azarbaidjan, Bazargan (Brown 1962). Species of Siberian distribution penetrating in southern parts of Russia.

Neottiglossa leporina (Herrich-Schäffer, 1830) – N. Iran, Shakhisane – Shahrud (Kiritshenko 1949), Mazandaran, Nowshahr (Wagner 1968). Species of Eurosiberian distribution, in S.W. Asia recorded from Caucasus, Transcaucasia, Iran, Anatolia, further recorded from Tajikistan, Uzbekistan, Kirghizia and Transalai.

Risibia obscura (Jakovlev, 1880) – N. Iran, Central province, Shahku (Jakovlev 1880, Oshanin 1906, 1912, Putshkov 1965), Khar (Hoberlandt 1954). Species recorded only from N. Iran.

Agatharchus linea (Klug, 1845) – N. Iran (Oshanin 1906, 1912), N. Iran, Tasha (Jakovlev 1877 as *Barbiger furvus* Jak.). Recorded from Anatolia, Syria, Transcaucasia and Iran.

Agatharchus montanus (Jakovlev, 1879) – N. Iran, Central province, Varamin, Gharaghadj (Hoberlandt 1954). Recorded from Transcaucasia, Iran and Anatolia.

Holcostethus vernalis (Wolff, 1804) - N. Iran, Shahrud (Jakovlev 1877), Oshanin 1906 and 1912, N.Iran, Central province, Varamin (Hoberlandt 1954), N. Iran, Mazandaran, Chalus (Wagner 1968). Species of Eurosiberian distribution, in S.W. Asia recorded from Iraq, Turkey, Israel, Syria and Iran; Transcaucasia, Caucasus, Uzbekistan, Kirghizia.

Holcostethus congenitus Putshkov, 1965 – N.W. Iran, Azarbaidjan, Tabriz, Bidezar (Putshkov 1965). Distribution: Transcaucasia and Iran.

Palomena marsili Linnavuori, 1984 – S.W. Iran, Lorestan, Bolkha (Linnavuori 1984). Further record is from Iraq (Dalhuk, type-locality).

Bagrada (Nitilia) monticola Horváth, 1936 – N. Iran, Tadrish near Tehran, Gotvend, Sudv. Teng Tina (Horváth 1936), Karadj (Lindberg 1938), S.E. Iran, Baluchestan, Konyantshen (Hoberlandt 1959).

Stenozygum coloratum (Klug, 1845) – N. Iran, Torbat (Wagner 1968). Species of Eastmediterranean distribution, in S.W. Asia recorded from Iran, Turkey, Israel, Saudi Arabia.

Eurydema fieberi (Schumm), Fieber, 1836 – N. Iran (Oshanin 1906, 1912, Putshkov 1965), W. Iran, Kordestan, Akinlou (Wagner 1961), W. Iran, Azarbaidjan, Rezayeh, Khousar, Khalilabad, S. Iran, Fars, Dast-e arzhan (Wagner 1968). Species of Mediterranean distribution.

Piezodorus rubrofasciatus (Fabricius, 1787) – S.E. Iran, Baluchestan; Pishin (Hoberlandt 1954). Distributed in Tropical Asia, Australia, East Africa and Iran.

Rhaphigaster brevispina Horváth, 1889 – C. Iran, Esfahan and S. Iran, Fassa

(Kiritshenko 1966). Distribution: Middle Asia, China, Syria, Israel, Iran and Afghanistan.

Apines insignita (Bergroth, 1919) – E. Iran, Kerman province, Khuh-e kaka (Bergroth 1919 and Oshanin 1922 as *Actuarius satrapes* Oshanin 1922) and Baft (Hoberlandt 1959). Species restricted to the Afghano-Iranian forest refugium, recorded only from Iran and recently from numerous localities in Afghanistan (Hoberlandt 1984).

Solenocoris zarudnyi Oshanin, 1922 – S.E. Iran, Baluchestan, Bampur, river Razi (Oshanin 1922), Iranshahr, Hamat Kuh (Seidenstücker 1957). Species of Endemic Iranian distribution.

ASOPINAE

Jalla dumosa (Linnaeus, 1758) – Iran without exact locality (Oshanin 1906, 1912, Putshkov 1965). Species of Euro-Siberian distribution, in S.W. Asia recorded from Caucasus, Transcaucasia, Anatolia, Iran and Israel; Middle Asia.

Conclusion

Pentatomoidea in Iran are represented by 262 species (Acapthosomatidae 2, Cydnidae 37, Scutelleridae 39, Pentatomidae 184) of which 63 species listed in this paper are mentioned for the first time for the Iranian fauna, and 5 species of them are new for science:

CYDNIDAE

Aethus laticollis Wagner

Aethus laeviceps Kerzhner

Geotomus elongatus elongatus (Herrich-Schäffer)

Geotomus elongatus angustus (Wagner)

Geotomus punctulatus (Costa)

Legnotus limbatus (Geoffroy)

Legnotus picipes (Fallen)

Tritomegas sexmaculatus (Rambur)

Nishadana arabica Horváth

Ochetostehus tarsalis (Mulsant et Rey)

SCUTELLERIDAE

Hotea (Tylonca) curculionoides occidentalis Hoberlandt ssp.n.

Odontoscelis byrrhus Seidenstücker

Irochrotus turanicus Kerzhner

Alphocoris pfeifferi Hoberlandt, sp. n.

Odontotarsus rufescens Fieber

Promecocoris testaceus (Reuter)

Psacasta (Psacasta) pallida Reuter

PENTATOMIDAE

- Ventocoris (Ventocoris) advenus* (Horváth)
Ventocoris (Ventocoris) ceriferum (Horváth)
Leprosoma tuberculatum Jakovlev
Putonia asiatica Jakovlev
Tsingisella bella Kiritshenko
Tholagmus enkidu Linnavuori
Derula delegrangei Puton
Menida pallidissima Jensen-Haarup
Phricodus brouini Villiers
Phricodus besaci Villiers
Mustha vicina Hoberlandt, sp. n.
Mustha baranovi Kiritshenko
Tisia gracilis Hoberlandt
Menaccarus ovalis Puton
Sciocoris (Sciocoris) consobrinus Kiritshenko
Sciocoris (Aposciocoris) lautus Horváth
Sciocoris (Aposciocoris) pictus Wagner
Sciocoris (Aposciocoris) atifi Lodos
Sciocoris (Neosciocoris) modestus Horváth
Sciocoris (Neosciocoris) leprieurei Mulsant et Rey
Sciocoris (Neosciocoris) fumipennis Puton
Sciocoris (Neosciocoris) remanei Wagner
Sciocoris (Neosciocoris) kiritshenkoi Wagner
Sciocoris (Parasciocoris) denticeps Wagner
Sciocoris (Parasciocoris) pallens Klug
Sciocoris (Parasciocoris) sahlbergi Wagner
Dorpius indicus Distant
Aeliomorpha pazukii Hoberlandt, sp. n.
Aelia satunini Kiritshenko
Aelia punctiventris Horváth
Neottiglossa bifida Costa
Risibia mimula Kiritshenko
Holcostethus inclusus (Dohrn)
Anthemina varicornis (Jakovlev)
Brachynema signatum Jakovlev
Bagrada (Nitilia) gibbicollis Horváth
Eurydema gussakowskii Kiritshenko
Eurydema rugulosum (Dohrn)
Eurydema pulchrigenum Kiritshenko
Desertomenida albula Kiritshenko
Desertomenida jakovlevi (Horváth)

Piezodorus teretipes Stal
Pinthaeus sanguinipes (Fabricius)
Troilus luridus (Fabricius)
Arma insperata Horváth

Survey of Pentatomoidea (Acanthosomatidae, Cydnidae, Scutelleridae, Pentatomidae) in Iran.

These four families of Pentatomoidea are represented in the fauna of Iran by 262 species (Acanthosomatidae 2, Cydnidae 37, Scutelleridae 39 and Pentatomidae 184).

In Iran the fauna of Pentatomoidea is composed of 15 basic faunal elements of which the majority form species of Mediterranean distribution or of Mediterranean origin and secondary species of Eremian distribution and species ranging through mountainous areas of S.W. and Middle Asia.

Species of wide Holarctic distribution:

PENTATOMIDAE:

Dolycoris baccarum (Linnaeus)
Zicrona coerulea (Linnaeus)

Species of Transpalaeartic or Eurosiberian distribution:

ACANTHOSOMATIDAE:

Acanthosoma haemorrhoidale (Linnaeus)

CYDNIDAE:

Thyreocoris scarabaeoides (Linnaeus)

SCUTELLERIDAE:

Odontoscelis fuliginosa (Linnaeus)

Irochrotus lanatus (Pallas)

Phimodera fumosa Fieber

Eurygaster maura (Linnaeus)

Eurygaster testudinaria (Geoffroy)

PENTATOMIDAE:

Sciocoris (Sciocoris) umbrinus (Wolff)

Aelia acuminata (Linnaeus)

Aelia sibirica Reuter

Neottiglossa leporina (Herrich-Schäffer)

Holcostethus vernalis (Wolff)

Palomena prasina (Linnaeus)

Carpocoris purpureipennis (De Geer)

Carpocoris coreanus Distant

Anthemina varicornis (Jakovlev)

Anthemina lunulata (Goeze)

Eurydema oleracea (Linnaeus)

Pentatoma rufipes (Linnaeus)
Pinthaeus sanguinipes (Fabricius)
Troilus luridus (Fabricius)
Jalla dumosa (Linnaeus)

Species of Transmediterranean distribution or of Mediterranean origin:

CYDNIDAE:

Aethus pilosulus (Klug)
Aethus flavicornis (Fabricius)
Aethus laticollis Wagner
Aethus pilosus (Herrich-Schäffer)
Mascroscytus brunneus (Fabricius)
Geotomus elongatus elongatus (Herrich-Schäffer)
Geotomus elongatus angustus Wagner
Geotomus caucasicus caucasicus (Kolenati)
Geotomus punctulatus (Costa)
Tritomegas sexmaculatus (Rambur)
Ochetostehus sahlbergi Wagner
Ochetostehus tarsalis (Mulsant et Rey)

SCUTELLERIDAE:

Odontotarsus robustus Jakovlev
Odontotarsus purpureolineatus (Rossi)
Odontotarsus rufescens Fieber
Psacasta (*Psacasta*) *exanthematica exanthematica* (Scopoli)
Psacasta (*Psacasta*) *exanthematica herculeana* Horváth
Odontotarsus freyi Puton
Eurygaster integriceps Puton

PENTATOMIDAE

Ventocoris (*Ventocoris*) *fischeri* (Herrich-Schäffer)
Ventocoris (*Ventocoris*) *trigonus* Krynicki
Ventocoris (*Selenodera*) *falcatus falcatus* (Cyrille)
Ventocoris (*Selenodera*) *martini* (Horváth)
Leprosoma inconspicuum Baerensprung
Ancyrosoma leucogrammes (Gmelin)
Tholagmus flavolineatus (Fabricius)
Graphosoma semipunctatum (Fabricius)
Graphosoma lineatum (Linnaeus)
Mustha spinosulz (Lefebvre)
Apodiphus amygdali (Germar)
Menaccarus arenicola (Scholtz)
Menaccarus dohrnianus (Mulsant et Rey)
Sciocoris (*Sciocoris*) *deltocephalus* (Fieber)

Sciocoris (Sciocoris) sulcatus Fieber
Sciocoris (Sciocoris) helferi Fieber
Sciocoris (Sciocoris) ribauti Wagner
Sciocoris (Sciocoris) homalonotus Fieber
Sciocorus (Neosciocoris) modestus Horváth
Sciocoris (Neosciocoris) leprieuri Mulsant et Rey
Sciocoris (Neosciocoris) fumipennis Puton
Sciocoris (Neosciocoris) conspurcatus Klug
Sciocoris (Neosciocoris) macalatus Fieber
Sciocoris (Parasciocoris) pallens Klug
Aelia furcula Fieber
Aelia punctiventris Horváth
Aelia virgata (Klug)
Neottiglossa bifida Costa
Stagonomus bipunctatus (Linnaeus)
Stagonomus amoenus (Brullé)
Eysarcoris ventralis Westwood
Staria lunata (Hahn)
Holcostethus strictus (Fabricius)
Carpocoris mediterraneus Tamanini
Anthemina pusio pusio (Kolenati)
Codophila varia (Fabricius)
Chroantha ornatula (Herrich-Schäffer)
Brachynema germari (Kolenati)
Brachynema hypocrita Puton
Eurydema ventrale Kolenati
Eurydema ornatum (Linnaeus)
Eurydema rugulosum (Dohrn)
Eurydema fieberi Fieber
Stenozygum coloratum (Klug)
Acrosternum heegeri Fieber
Acrosternum millierei (Mulsant et Rey)
Piezodorus lituratus (Fabricius)
Rhaphigaster nebulosa (Poda)
Arma insperata Horváth

Species of European distribution:

CYDNIDAE:

Cydnus aterrimus (Förster)
Legnotus limbosus (Geoffroy)
Legnotus picipes (Fallen)
Camptophorus melanopterus (Herrich-Schäffer)

Campthophorus dubius (Scopoli)

Ochetostethus opacus (Scholtz)

SCUTELLERIDAE:

Odontoscelis dorsalis (Fabricius)

PENTATOMIDAE:

Aelia rostrata Boheman

Carpocoris pudicus (Poda)

Species ranging through mountainous areas of S.W. and Middle Asia:

CYDNIDAE:

Aethus laeviceps Kerzhner

Aethus comaroffi (Jakovlev)

Byrsinus minor (Wagner)

Peribyssus discus (Jakovlev)

Exosehirus validus (Jakovlev)

Sehirus robustus Horváth

Canthophorus coeruleus (Reuter)

SCUTELLERIDAE:

Irochrotus majusculus Kerzhner

Irochrotus turanicus Kerzhner

Odontoscelis byrrhus Seidenstücker

Odontotarsus plicatulus Horváth

Odontotarsus furvus Kiritshenko

Ceratocranum caucasicum (Jakovlev)

Promecocoris pictus Jakovlev

PENTATOMIDAE

Ventocoris (*Ventocoris*) *oblongus* (Horváth)

Ventocoris (*Selenodera*) *armeniacus* (Kiritshenko)

Leprosoma inaequale Horváth

Leprosoma stali Douglas and Scott

Tsingisella bella Kiritshenko

Graphosoma melanoanthum Horváth

Sciocoris (*Sciocoris*) *dilutus* Jakovlev

Sciocoris (*Aposciocoris*) *pictus* Wagner

Stagonomus devius Seidenstücker

Cnephosa flavomarginata Jakovlev

Risibia christophi (Jakovlev)

Risibia mimula Kiritshenko

Rhombocoris regularis (Herrich-Schäffer)

Agatharchus tritaenia Horváth

Agatharchus herrichi (Kolenati)

Agatharchus montanus (Jakovlev)

Holcostethus capitatus (Jakovlev)
Holcostethus congenitus Putshkov
Bagrada (Nitilia) abeillei (Puton)
Bagrada (Nitilia) gibbicollis Horváth
Bagrada (Nitilia) monticola Horváth
Eurydema pulchrigenum Kiritshenko
Rhaphigaster brevispina Horváth

Species with distribution restricted to Afghano-Iranian forest refugium:

PENTATOMIDAE:

Halys persa Bergroth
Carenoplistus acutus (Signoret)
Schyzops pakistanensis Ghauri
Eurydema putoni Jakovlev
Apines insignita (Bergroth)

Species of Sindo-Iranian distribution:

PENTATOMIDAE:

Gellia negripennis (Dallas)
Stenozygum speciosum (Dallas)

Species with distribution restricted to Irano-Turanian refugium:

CYDNIDAE:

Aethus rugosus (Jakovlev)

SCUTELLERIDAE:

Holonotellus maculicollis Horváth
Odontotarsus impictus Jakovlev
Odontotarsus angustatus Jakovlev
Odontotarsus armiger Kiritshenko
Promecocoris testaceus (Reuter)
Ellipsocoris tamerlani Kiritshenko
Melanodema carbonarium Jakovlev
Polyphyma scrobiculatus Jakovlev

PENTATOMIDAE:

Tarisa elevata Reuter
Ventocoris (Ventocoris) advenus (Horváth)
Ventocoris (Selenodera) ceriferus (Horváth)
Ventocoris (Selenodera) oshanini (Horváth)
Ventocoris (Selenodera) falcatus balassogloi (Horváth)
Leprosoma tuberculatum Jakovlev
Putonia asiatica Jakovlev
Sternodontus ampliatus (Jakovlev)

Tholagmus breviceps Jakovlev
Graphosoma consimile Horváth
Mustha baranovi Kiritshenko
Sciocoris (Sciocoris) consobrinus Kiritshenko
Sciocoris (Aposciocoris) lautus Horváth
Sciocoris (Neosciocoris) kiritshenkoi Wagner
Sciocoris (Parasciocoris) capitatus Jakovlev
Sciocoris (Parasciocoris) denticeps Wagner
Aelia melanota Fieber
Aelia turanica Horváth
Ochyrotylus helvinus Jakovlev
Dolycoris penicillatus Horváth
Brachynema signatum Jakovlev
Bagrada (Nitilia) kaufmanni (Oshanin)
Eurydema gusakowskii Kiritshenko
Acrosternum breviceps (Jakovlev)
Desertomenida albula Kiritshenko
Desertomenida jakovlevi (Horváth)

Species with distribution restricted to the Caspian basen:

SCUTELLERIDAE:

Polyphyma batesoni Jakovlev

PENTATOMIDAE:

Holcostethus inclusus (Dohrn)

Species with distribution restricted to Anatolian-Syrian plateau:

SCUTELLERIDAE:

Odontotarsus oculatus Horváth

Ellipsocoris trilineatus Mayr

PENTATOMIDAE:

Ventocoris (Ventocoris) horvathi (Puton)

Derula delagrangei Puton

Sciocoris (Aposciocoris) atifi Lodos

Aelia satunini Kiritshenko

Agatharchus linea (Klug)

Bagrada (Nitilia) concinna Horváth

Eurydema formosus Puton

Species of Eremian distribution:

CYDNIDAE:

Thaumastella aradoides Horváth

Aethus macrocephalus Wagner

Aethus pallidus (Puton)

Aethus hispidulus (Klug)

Amaurocoris curtus (Brullé)

Amaurocoris orbicularis Jakovlev

Amaurocoris candidus Horváth

Nishadana arabica Horváth

SCUTELLERIDAE:

Alphocoris pfeifferi Hoberlandt, sp. n.

Alphocoris curculionoides Jakovlev

Alphocoris halophilus Linnavuori

Psacasta (Psacasta) pallida Reuter

Xerobia verruculosa Stal

PENTATOMIDAE:

Schyzops aegyptiacus aegyptiacus (Lefebvre)

Phyllocephala negus (Distant)

Tarisa subspinosa subspinosa (Germar)

Ventocoris (Selenodera) modestus (Jakovlev)

Leprosoma reticulatum (Herrich-Schäffer)

Tholagmus enkidu Linnavuori

Mecidea pallidissima Jensen-Haarup

Mecidea lindbergi Wagner

Phricodus brouini Villiers

Phricodus bessaci Villiers

Mustha incana Stal

Mustha morgani Horváth

Apodiphus integriceps Horváth

Sarju eremica (Hoberlandt)

Menaccarus ovalis Puton

Sciocoris (Neosciocoris) orientalis Linnavuori

Sciocoris (Neosciocoris) remanei Wagner

Sciocoris (Parasciocoris) sahlbergi Wagner

Dorpius indicus Distant

Gomphocranum christophi Jakovlev

Codophila maculicollis (Dallas)

Palomena marsili Linnavuori

Bagrada (Bagrada) hilaris (Burmeister)

Pseumatocoris ignitus Kiritshenko

Acrosternum arabicum Wagner

Piezodorus teretipes Stal

Pausias martini (Puton)

Species of Endemic distribution in Iran:

ACANTHOSOMATIDAE:

Elasmucha eckerleini Josifov

CYDNIDAE:

Cydnus infernalis Kiritshenko

SCUTELLERIDAE:

Hotea (Tylonca) curculionoides occidentalis Hoberlandt ssp. n.*Odontotarsus crassus* Kiritshenko*Odontotarsiellus esfandarii* Hoberlandt

PENTATOMIDAE:

Chalcopsis mirzayansi Hoberlandt and Safavi*Schyzops pakistanensis* Ghauri*Ventocoris (Selenodera) putoni* (Jakovlev)*Sternodontus contestor* Kiritshenko*Tholagmus acuteangulatus* Linnavuori*Mustha vicina* Hoberlandt, sp. n.*Mustha gigantea* Horváth*Apodiphus pallidus* (Hoberlandt)*Tisia gracilis* Hoberlandt*Sciocoris (Sciocoris) kerzhneri* Wagner*Sciocoris (Aposciocoris) safavii* Hoberlandt*Aeliomorpha pazukii* Hoberlandt, sp. n.*Neottigloss irana* Wagner*Risibia obscura* (Jakovlev)*Agatharchus persicus* (Jakovlev)*Agatharchus jalloides* Stal*Eurydema laticolle* Horváth*Eurydema persicum* Lindberg*Solenocoris zarudnyi* Oshanin

Species of African origin:

PENTATOMIDAE:

Coridius viduatus (Fabricius)*Piezodorus pallescens* (Germar)

Species of Oriental origin:

PENTATOMIDAE:

Anchesmus rubriplaga (Walker)

Species of Intertropical distribution:

PENTATOMIDAE:

Nezara viridula (Linnaeus)*Piezodorus rubrofasciatus* (Fabricius)

Andrallus spinidens (Fabricius)

Check-List – Acanthosomatidae, Cydnidae, Scutelleridae and Pentatomidae of Iran

ACANTHOSOMATIDAE

Acanthosoma haemorrhoidale (Linnaeus, 1785)*Elasmucha eckerleini* Josifov, 1971

CYDNIDAE

THAMASTELLINAE

Thaumastella aradoides Horváth, 1896

CYDNINAE

Aethus laticollis Wagner, 1954*Aethus macrocephalus* Wagner, 1951*Aethus pilosulus* (Klug, 1845)*Aethus pallidus* (Puton, 1887)*Aethus laeviceps* Kerzhner, 1972*Aethus flavicornis* (Fabricius, 1794)*Aethus rugosus* (Jakovlev, 1874)*Aethus pilosus* (Herrich-Schäffer, 1834)*Aethus hispidulus* (Klug, 1845)*Aethus comaroffi* (Jakovlev, 1879)*Byrsinus minor* Wagner, 1964*Peribysus discus* (Jakovlev, 1906)*Macroscytus brunneus* (Fabricius, 1803)*Geotomus elongatus elongatus* (Herrich-Schäffer, 1839)*Geotomus elongatus angustus* Wagner, 1953*Geotomus caucasicus caucasicus* (Kolenati, 1846)*Geotomus punctulatus* (Costa, 1847)*Cydnus aterrimus* (Förster, 1771)*Cydnus infernalis* Kiritshenko, 1966

SEHIRINAE

Amaurocoris curtus (Brullé, 1838)*Amaurocoris orbicularis* Jakovlev, 1885*Amaurocoris candidus* Horváth, 1889*Exosehirus validus* (Jakovlev, 1877)*Legnotus limbosus* (Geoffroy, 1785)*Legnotus picipes* (Fallen, 1807)*Sehirus robustus* Horváth, 1893*Canthophorus melanopterus* (Herrich-Schäffer, 1835)*Canthophorus coeruleus* (Reuter, 1902)*Canthophorus dubius* (Scopoli, 1763)*Tritomegas sexmaculatus* (Rambur, 1842)

Nishadana arabica Horváth, 1919
Ochetostethus sahlbergi Wagner, 1951
Ochetostethus tarsalis (Mulsant et Rey, 1852)
Ochetostethus opacus (Scholtz, 1817)
THYREOCORINAE
Thyreocoris scarabaeoides (Linnaeus, 1758)

SCUTELLERIDAE

Hotea (Tylonca) curculionoides occidentalis Hoberlandt ssp. n.
Odontoscelis dorsalis (Fabricius, 1805)
Odontoscelis fuliginosa (Linnaeus, 1761)
Odontoscelis byrrhus Seidenstücker, 1972
Irochrotus turanicus Kerzhner, 1976
Irochrotus lanatus (Pallas, 1773)
Irochrotus majusculus Kerzhner, 1976
Holonotellus maculicollis Horváth, 1895
Alphocoris pfeifferi Hoberlandt, sp. n.
Alphocoris curculionoides Jakovlev, 1877
Alphocoris halophilus Linnavuori, 1984
Odontotarsus robustus Jakovlev, 1883
Odontotarsus purpureolineatus (Rossi, 1790)
Odontotarsus impictus, Jakovlev, 1885
Odontotarsus rufescens Fieber, 1861
Odontotarsus crassus Kiritshenko, 1966
Odontotarsus freyi Puton, 1882
Odontotarsus furvus Kiritshenko, 1926
Odontotarsus oculatus Horváth, 1881
Odontotarsus angustatus Jakovlev, 1883
Odontotarsus plicatulus Horváth, 1906
Odontotarsus armiger Kiritshenko, 1914
Odontotarsiellus esfandiarii Hoberlandt, 1954
Ellipsocoris trilineatus Mayr, 1864
Ellipsocoris tamerlani Kiritshenko, 1913
Phimodera fumosa Fieber, 1865
Melanodema carbonarium Jakovlev, 1880
Polyphyma scrobiculata Jakovlev, 1877
Polyphyma batesoni Jakovlev, 1890
Ceratocranum caucasicum (Jakovlev, 1879)
Promecocoris testaceus (Reuter, 1900)
Promecocoris pictus Jakovlev, 1887
Psacasta (Psacasta) exanthemitica exanthematica (Scopoli, 1763)
Psacasta (Psacasta) exanthematica herculeana Horváth, 1891

- Psacasta (Psacasta) pallida* Reuter, 1902
Eurygaster integriceps Puton, 1881
Eurygaster maura (Linnaeus, 1758)
Eurygaster testudinaria (Geofroy, 1785)
Xerobia verruculosa Stal, 1873

PENTATOMIDAE

DINIDORINAE

- Coridius viduatus* (Fabricius, 1794)

PHYLLOCEPHALINAE

- Chalcopsis mirzayansi* Hoberlandt and Safavi, 1985
Schyzops aegyptiacus aegyptiacus (Lefebvre, 1831)
Schyzops pakistanensis Ghauri, 1969
Phyllocephala negus (Distant, 1900)
Gellia nigripennis (Dallas, 1851)

PODOPINAE

- Tarisa elevata* Reuter, 1901
Tarisa subspinosa subspinosa (Germar, 1839)
Ventocoris (Ventocoris) advena (Horváth, 1896)
Ventocoris (Ventocoris) oblongus (Horváth, 1896)
Ventocoris (Ventocoris) fischeri (Herrich-Schäffer, 1851)
Ventocoris (Ventocoris) trigonus Krynicki, 1871
Ventocoris (Ventocoris) horvathi (Puton, 1896)
Ventocoris (Selenodera) ceriferus (Horváth, 1889)
Ventocoris (Selenodera) falcatus falcatus (Cyrille, 1737)
Ventocoris (Selenodera) falcatus balassogloi (Horváth, 1889)
Ventocoris (Selenodera) modestus (Jakovlev, 1880)
Ventocoris (Selenodera) putoni (Jakovlev, 1877)
Ventocoris (Selenodera) armeniacus (Kiritshenko, 1938)
Ventocoris (Selenodera) martini (Horváth, 1889)
Leprosoma inconspicuum Baerensprung, 1859
Leprosoma tuberculatum Jakovlev, 1876
Leprosoma inaequale Horváth, 1911
Leprosoma stali Douglas and Scott, 1868
Leprosoma reticulatum (Herrich-Schäffer, 1851)
Putonia asiatica Jakovlev, 1885
Tsingisella bella Kiritshenko, 1913
Ancyrosoma leucogrammes (Gmelin, 1789)
Sternodontus ampliatus (Jakovlev, 1887)
Sternodontus contestor Kiritshenko, 1966
Tholagmus flavolineatus (Fabricius, 1798)
Tholagmus breviceps Jakovlev, 1883

- Tholagmus enkidu* Linnavuori, 1984
Tholagmus acuteangulatus Linnavuori, 1984
Graphosoma semipunctatum (Fabricius, 1775)
Graphosoma consimile Horváth, 1903
Graphosoma melanoxanthum Horváth, 1903
Graphosoma lineatum (Linnaeus, 1758)
Derula delagrangei Puton, 1892
PENTATOMINAE
Mecidea pallidissima Jensen-Haarup, 1922
Mecidea lindbergi Wagner, 1952
Phricodus brouini Villiers, 1950
Phricodus bessaci Villiers, 1959
Mustha vicina Hoberlandt, sp. n.
Mustha gigantea Horváth, 1907
Mustha baranovi Kiritshenko, 1952
Mustha spinosula (Lefebvre, 1831)
Mustha incana Stal, 1872
Mustha morgani Horváth, 1907
Apodiphus integriceps Horváth, 1888
Apodiphus amygdali (Germar, 1817)
Apodiphus pallidus (Hoberlandt, 1959)
Sarju eremica (Hoberlandt, 1959)
Halys persa Bergroth, 1919
Carenoplistus acutus (Signoret, 1880)
Tisia gracilis Hoberlandt, gen. and sp. n., 1993
Menaccarus dohrnianus (Mulsant et Rey, 1866)
Menaccarus ovalis Puton, 1873
Menaccarus arenicola (Scholtz, 1846)
Sciocoris (Sciocoris) sulcatus Fieber, 1852
Sciocoris (Sciocoris) umbrinus (Wolff, 1804)
Sciocoris (Sciocoris) dilutus Jakovlev, 1853
Sciocoris (Sciocoris) helferi Fieber, 1852
Sciocoris (Sciocoris) ribauti Wagner, 1953
Sciocoris (Sciocoris) homalonotus Fieber, 1852
Sciocoris (Sciocoris) deltocapalus (Fieber, 1816)
Sciocoris (Sciocoris) kerzhneri Wagner, 1965
Sciocoris (Sciocoris) consobrinus Kiritshenko, 1952
Sciocoris (Aposciocoris) lautus Horváth, 1903
Sciocoris (Aposciocoris) pictus Wagner, 1959
Sciocoris (Aposciocoris) atifi Lodos, 1982
Sciocoris (Aposciocoris) safavii Hoberlandt, 1959
Sciocoris (Neosciocoris) modestus Horváth, 1903

Sciocoris (*Neosciocoris*) *leprieuri* Mulsant et Rey, 1866

Sciocoris (*Neosciocoris*) *fumipennis* Puton, 1881

Sciocoris (*Neosciocoris*) *orientalis* Linnavuori, 1961

Sciocoris (*Neosciocoris*) *maculatus* Fieber, 1882

Sciocoris (*Neosciocoris*) *remanei* Wagner, 1965

Sciocoris (*Neosciocoris*) *kiritshenkoi* Wagner, 1965

Sciocoris (*Neosciocoris*) *conspurcatus* Klug, 1845

Sciocoris (*Parasciocoris*) *capitatus* Jakovlev, 1881

Sciocoris (*Parasciocoris*) *denticeps* Wagner, 1965

Sciocoris (*Parasciocoris*) *pallens* Klug, 1845

Sciocoris (*Parasciocoris*) *sahlbergi* Wagner, 1942

Dorpius indicus Distant, 1900

Aeliomorpha pazukii Hoberlandt, sp. n.

Aelia melanota Fieber, 1868

Aelia furcula Fieber, 1868

Aelia sibirica Reuter, 1884

Aelia rostrata Boheman, 1852

Aelia acuminata (Linnaeus, 1758)

Aelia satunini Kiritshenko, 1929

Aelia punctiventris Horváth, 1911

Aelia turanica Horváth, 1895

Aelia virgata (Klug, 1841)

Neottiglossa leporina (Herrich-Schäffer, 1830)

Neottiglossa irana Wagner, 1964

Neottiglossa bifida Costa, 1847

Stagonomus devius Seidenstücker, 1965

Stagonomus bipunctatus (Linnaeus, 1758)

Stagonomus amoenus (Brullé, 1832)

Eysarcoris ventralis Westwood, 1857

Staria lunata (Hahn, 1835)

Cnephosa flavomarginata Jakovlev, 1880

Gomphocranum christophi Jakovlev, 1880

Risibia obscura (Jakovlev, 1880)

Risibia mimula Kiritshenko, 1911

Risibia christophi (Jakovlev, 1885)

Rhombocoris regularis (Herrich-Schäffer, 1851)

Agatharchus tritaenia Horváth, 1897

Agatharchus persicus (Jakovlev, 1880)

Agatharchus herrichi (Kolenati, 1846)

Agatharchus linea (Klug, 1845)

Agatharchus jalloides Stal, 1876

Agatharchus montanus (Jakovlev, 1879)

- Holcostethus capitatus* (Jakovlev, 1889)
Holcostethus vernalis (Wolff, 1804)
Holcostethus inclusus (Dohrn, 1860)
Holcostethus strictus (Fabricius, 1803)
Holcostethus congenitus Putshkov, 1965
Palomena prasina (Linnaeus, 1761)
Palomena marsili Linnavuori, 1984
Carpocoris purpureipennis (De Geer, 1773)
Carpocoris mediterraneus Tamanini, 1958
Carpocoris coreanus Distant, 1879
Carpocoris pudicus (Poda, 1761)
Antheminia varicornis (Jakovlev, 1874)
Antheminia pusio pusio (Kolenati, 1846)
Antheminia lunulata (Goeze, 1778)
Ochyrotylus helvinus Jakovlev, 1885
Codophila varia (Fabricius, 1787)
Codophila maculicollis (Dallas, 1891)
Dolycoris baccarum (Linnaeus, 1758)
Dolycoris penicillatus Horváth, 1904
Chroantha ornatula (Herrich-Schäffer, 1842)
Brachynema germari (Kolenati, 1846)
Brachynema signatum Jakovlev, 1879
Brachynema hypocrita Puton, 1876
Bagrada (Bagrada) hilaris (Burmeister, 1855)
Bagrada (Nitilia) abeillei (Puton, 1851)
Bagrada (Nitilia) monticola Horváth, 1936
Bagrada (Nitilia) kaufmanni (Oshanin, 1870)
Bagrada (Nitilia) gibbicollis Horváth, 1936
Bagrada (Nitilia) concinna Horváth, 1936
Stenozygum coloratum (Klug, 1845)
Stenozygum speciosum (Dallas, 1851)
Pseumatocoris ignitus Kiritshenko, 1922
Eurydema maracandicum (Oshanin, 1890)
Eurydema fieberi Fieber, 1836
Eurydema ventrale Kolenati, 1846
Eurydema laticollis Horváth, 1907
Eurydema ornatum (Linnaeus, 1758)
Eurydema gusakowskii Kiritshenko, 1952
Eurydema rugulosum (Dohrn, 1860)
Eurydema pulchrigenum Kiritshenko, 1925
Eurydema persicum Lindberg, 1938
Eurydema formosum Puton, 1895

Eurydema putoni Jakovlev, 1870
Eurydema oleraceum (Linnaeus, 1768)
Acrosternum heegeri Fieber, 1861
Acrosternum millierei (Mulsant et Rey, 1866)
Acrosternum arabicum Wagner, 1959
Acrosternum breviceps (Jakovlev, 1890)
Nezara viridula (Linnaeus, 1758)
Desertomenida albula Kiritshenko, 1914
Desertomenida jakovlevi (Horváth, 1907)
Piezodorus lituratus (Fabricius, 1794)
Piezodorus rubrofasciatus (Fabricius, 1787)
Piezodorus pallescens (Germar, 1837)
Piezodorus teretipes (Stal, 1865)
Pausias martini (Puton, 1890)
Anchesmus rubriplaga (Walker, 1867)
Rhaphigaster brevispina Horváth, 1889
Rhaphigaster nebulosa (Poda, 1761)
Pentatoma rufipes (Linnaeus, 1758)
Apines insignita (Bergroth, 1919)
Solenocoris zarudnyi Oshanin, 1922
 ASOPINAE
Pinthaeus sanguinipes (Fabricius, 1878)
Andrallus spinidens (Fabricius, 1787)
Troilus luridus (Fabricius, 1775)
Arma insperata Horváth, 1899
Zicrona coerulea (Linnaeus, 1758)
Jalla dumosa (Linnaeus, 1758)

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