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RESULTS OF THE CZECHOSLOVAK-IRANIAN ENTOMOLOGICAL EXPEDITIONS TO IRAN 1970, 1973 AND 1977 HETEROPTERA: COREIDAE *)

Abstract: Results of the Czechoslovak-Iranian entomological expeditions to Iran, family Coreidae (Heteroptera); listed 40 species of which 11 are recorded for the first time from Iran, together with *Enoplops hashemii* sp. n.; key to the species of the genus *Enoplops* of Iran and adjacent areas is given.

This paper is based on the material of Coreidae collected by three expeditions of National Museum (Nat. Hist.), Praha to Iran and on an additional material collected by Iranian entomologists M. Safavi, A. Hashemi, A. Pazuki and H. Mirzayans and by J. Klapperich. Documented material is deposited in the collections of the Department of Entomology, National Museum (Nat. Hist.), Praha and partially in the entomological collections of the Plant Pests and Diseases Research Institute, Tehran-Evin.

COREIDAE — COREINAE

Omanocoris versicolor (Herrich Schäffer, 1841)

1 ♂ — S. Iran, Fars, Fassa, 9. 7. 1970 (loc. no. 50), 5 ♂♂ and 5 ♀♀ — S. E. Iran, Baluchestan, Ghasamabad, valley of the river Bampur, 10 km. E. of Bampur, 11.—12. 4. 1973 (loc. no. 157), 1 ♂, 1 ♀ and 5 nymphs — S. Iran, Kerman province, 24 km. S. S. W. of Hajiabad, 9.—10. 5. 1973 (loc. no. 194), 15 ♂♂ and 9 ♀♀ — S. Iran, Hormozgan, Issin, south slopes of Kuhha-ye Genu, 40 km. N. W. of Bandar Abbas, 11.—15. 5. 1973 (loc. no. 198), 1 ♀ — S. Iran, Hormozgan, Ziarat, 57 km. S. of Minab,

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24. 5. 1973 (loc. no. 210), 2 ♂♂ and 8 ♀♀ — S. Iran Kerman province, 33 km. S. of Sabzevaran, 17. 5. 1977 (loc. no. 335), 2 ♂♂ — S. Iran, Kerman province, Saghdar, 30 km. N. N. W. of Sabzevaran and 6 km. S. of Mohammad-abad, 1650 m., 17.—19. 5. 1977 (loc. no. 337), Collected by the Czechoslovak-Iranian expeditions.

Further material: 1 ♀ — Iran, Shiabab, 22.—30. 4. 1950, 3 ♂♂ — E. Iran, Sistan, 4. 6. 1950 collected by G. Scharif, 1 ♂ and 1 ♀ — N. Iran, Mazandaran, Gorgan, 10. 9. 1967, collected by Dezfulian, 2 ♂♂ — S. Iran, Fars, Djiroft, Anbar—abad, 11. 5. 1968, collected by A. Pazuki and A. Hashemi, 1 ♂ — E. Iran, Sistan, Zabol, 4. 1961, 2 ♂♂ and 1 ♀ — S. E. Iran, Baluchestan, Bampur, 8. and 10. 1961, 1 ♀ — E. Iran, Kerman province, Sabzevaran (Djiroft), 10. 1961 collected by Fenili and Baccardi.

Specimens collected in all above mentioned localities by the expeditions have been occurring on dry vegetation on borders of fields or on ruderal vegetation.

Species of wide distribution in South-West Asia, from Iraq (where is very common in Baghdad) to North and South India (Madras). In Iran recorded from a number of localities: South Iran (Persia meridionalis and sP as *Homaeocerus roseceus* Distant or *Homaeocerus variabilis* Dallas by OSHANIN 1910 and 1912), E. Iran, Sistan, Bandan, Neh-i Bandan, Varmal; S. E. Iran, Baluchestan, Sarhad, Shur-i Kuh, Mir-kuh; N. E. Iran, S. Khorassan; S. Iran, Hormozgan (Makran), KIRITSHENKO 1914 and 1916; E. Iran, Sistan, Nejar, Nejar Deh-i Kuh, river Hirmand; S. E. Iran, Baluchestan; S. Iran, Hormozgan, Bagu, Balju, KIRITSHENKO 1916; S. E. Iran, Baluchestan, Djalgh, HOBERLANDT 1954; S. Iran, Kerman province, Sabzevaran, WAGNER 1961; S. E. Iran, Baluchestan, S. W. of Iran-shahr, Bampur river, SEIDENSTÜCKER 1957; S. Iran, Fassa, KIRITSHENKO 1966; S. Iran, Hormozgan, Minab, KIRITSHENKO 1966, WAGNER 1968.

Gonocerus juniperi Herrich Schäffer, 1833

1 ♀ — N. Iran, Mazandaran, Elborz mountains, Haraz near Ab-Ask, 4. 6. 1960 collected by J. Klapperich.

Species of European distribution penetrating into Mediterranean and southern parts of USSR, Caucasia and Transcaucasia, Anatolia and Syria. Previously not recorded from Iran, first record.

Gonocerus acuteangulatus (Goeze, 1778)

1 ♂ and 1 ♀ — S. Iran, Fars, Yassuj, 29. 8. 1983 collected by M. Safavi.

Species with centre of its distribution in Central Europe, extending far into Northern Europe. In Middle East recorded from Cyprus, Iran: S. Iran, Fars, Schiraz, Ardakan (*Gonocerus acuteangulatus* f. *acutangulus* Puton, HOBERLANDT 1954); Fars, Neiriz, Helalabad; N. Iran, Gilan, Lahijan, HOBERLANDT 1954; N. Iran, Mazandaran, Motel Ghoo, Firuzabad (Chalus), Chalus; N. E. Iran, Khorassan, Bojnurd, WAGNER 1968; Transcaucasia and Caucasia. From Middle Asia not recorded.

Coreus marginatus (Linnaeus, 1758)

1 nymph — N. Iran, Mazandaran, Babol — Shahi, 24. 7. 1970 (loc. no. 70), 2 ♂♂, 2 ♀♀ and 1 nymph — N. Iran, Mazandaran, Bekshahr, 25. 7. 1970 (loc. no. 72), 1 ♂ — N. Iran, Mazandaran, 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: 1 ♂ — N. Iran, Mazandaran, Gonbad-e Kavus, Hutton, 7. 6. 1955, 1 ♀ — N. Iran, Gilan, Assalem, 8. 5. 1965 collected by M. Safavi, 1 ♂ — N. Iran, Tehran province, Karadj, 1330 m., collected by P. Allen.

Species of Transpalearctic distribution, in the Middle East recorded from Israel, Turkey, N. Iraq, Transcaucasia, Caucasia and Iran: Iran, OSHANIN 1906 and 1912; N. Iran, Gilan, Rustam-abad; Mazandaran, Gorgan (Astrabad), Shahr, KIRITSHENKO 1916 and 1949; Tehran province, Karadj, LINDBERG 1938; Tehran, SEIDENSTÜCKER 1957; N. Iran, Tehran province, Shahriar, HOBERLANDT 1954; N. Iran, Gilan Assalem; Gilan, 80 km. N. E. of Bandar Pahlavi, Chalus; 120 km. W. of Bojnurd, WAGNER 1968; Elburz mountains, N. of Tehran, Mazandaran, Dasht-e Nazir, KERZHNER and RIEGER 1983. In Soviet Middle Asia recorded from Tajikistan and Transalaj.

Syromastes rhombeus (Linnaeus, 1767)

1 ♂ and 1 ♀ — E. Iran, Kerman province, Kuh-e Jebal Barez, Deh Bakri, 1700 — 1750 m., 30. 4. —3. 5. 1973 (loc. no. 186), 1 ♂ — N. Iran, Tehran province, 8 km., N. E. of Zairan, 2400 m., 10.—16. 7. 1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions. Further material: 2 ♂♂ — N. Iran, Gholhak near Tehran, 1400 m., 3.—5. and 9.—10. 1961 collected by J. Klapperich. N. Iran, Djolfa, 11. 5. 1973 collected by M. Radjabi.

Previous records in Iran: N. E. Iran, Khorassan, Kjardy—Marish—Chahister, KIRITSHENKO 1916; S. W. Iran, Khuzestan, Ramhormoz, HOBERLANDT 1954; N. Iran, Tehran province, Karadj, LINDBERG 1938; N. Iran, Mazandaran, Kalardasht, WAGNER 1968; S. Iran, Fars, Bakhtiari, Lar, Sarchan, KIRITSHENKO 1916:

Species of European distribution extending far in the North and in Mediterranean, in the Middle East recorded from Cyprus, Syria, Turkey, N. Iraq; Transcaucasia and Caucasia. In Soviet Middle Asia recorded from Tajikistan and Turkmanistan.

Haploprocta horniana Kiritshenko, 1938

1 ♀ — S. E. Iran, Baluchestan, 10 km. S. W. of Zabol, 31. 3. 1973 (loc. no. 142). Collected by the Czechoslovak-Iranian expeditions.

Species recorded only from N. E. Afghanistan. First record from Iran. The description of this species was based on one female with damaged antennae (segments 2 to 4 missing) and herewith I add the description given by A. N. Kiritshenko with characters of antennae: antennae very long and slender, first antennal segment stoutest and slightly curved, proximally widest, second and third segments longitudinally slightly depressed with upper and lower edge slightly sharpened, third segment subapically slightly widened, fourth segment spindle-like, distinctly narrower than apical part of third segment. Relative lengths of antennal segments 42 : 55 : 30 : 31. Antennae pale reddish with short adpressed silvery pubescence. Length of Iranian female 16.5 mm., width 7.25 mm.

Haploprocta pustulifera (Stal, 1859)

1 ♀ — E. Iran, Kerman province, Sabzevaran (Djiroft), 5.—6. 5. 1973 (loc. no. 188), 1 ♀ — N. E. Iran, Khorassan, Soghand, S. slope of Kuh-e Binalud, 25 km. N. E. Nishapur, 1800 — 2300 m., 13. 6. 1977 (loc. no. 365), 1 ♀ — S. Iran, Kerman province, Saghdar, 30 km. N. N. W. of Sabzevaran and 6 km. S. of Mohammad-abad, 1650 m., 17.—19. 5. 1977 (loc. no. 357). Collected by the Czechoslovak-Iranian expeditions.

Further material: 1 ♀ — S. E. Iran, Baluchestan, Bampur, 1. 5. 1950 collected by M. Sarkissian, 1 ♀ — S. Iran, Kerman province, Kuh-e Jabal Barez, 7. 5. 1969 collected by A. Hashemi and A. Pazuki,

1 ♂ — 23. 4. 1971 collected by M. Radjahi, 1 ♀ — Iran, Chahr-Babak, 12. 9. 1972 collected by M. Safavi. 1 ♀ — N. Iran, Tehran province, Elburz mountains, Ab-Ask, 2000 m., 12. 8. 1960 collected by J. Klapperich.

Previous records in Iran: „Persia“ OSHANIN 1906 and 1912 as *Haploprocta christophi* Jakovlev; N. Iran, Shahrud; Khorassan, Buchsana near Ruj (as *H. christophi* Jak.), KIRITSHENKO 1916; N. Iran, Tehran, Gharaghadj; S. E. Iran, Baluchestan, Dashtiari, Kastak, Iranshahr (as *Haploprocta pustulifera* (Stål), HOBERLANDT 1954; N. Iran, Karadj, LINDBERG 1938; S. E. Iran, Baluchestan, Iranshahr, Hamat Kuh, SEIDENSTÜCKER 1957; Arsanjan (as *Haploprocta christophi* Jakovlev), WAGNER 1968.

Species distributed in Turanian subregion penetrating to Mongolia and into Iran.

Enoplops disciger (Kolenati, 1845)

1 ♂ — N. Iran, Gorgan, Varamin, 10. 5. 1949 collected by M. Safavi, 1 ♂ — N. Iran, Tehran province, Damavand, 2. 4. 1950 collected by M. Safavi, 1 ♀ — N. W. Iran, Azarbaijan, Ahar-Nordouz, 26. 5. 1973 collected by M. Arghand.

Previous records from Iran; N. W. Iran, Azarbaijan, Lake Rezaiyeh, KIRITSHENKO 1938; N. Iran, Karadj, LINDBERG 1938; N. Iran, Tehran province, Gharaghadj, HOBERLANDT 1954.

Species of Pontomediterranean distribution, in S. W. Asia recorded from Caucasia, Transcaucasia, Iran, Syria and Israel.

Enoplops heinsi (Oshanin, 1870) is further species recorded from Iran: N. E. Iran, Khorassan, Kuh-e Aladagh, Bojnurd (2400 m.) recorded by WAGNER 1968, previously known only from Soviet Middle Asia (Turkmanistan: Buchara, Samarkand in promontory of Zaravshan mountains).

Enoplops hashemii sp. n.

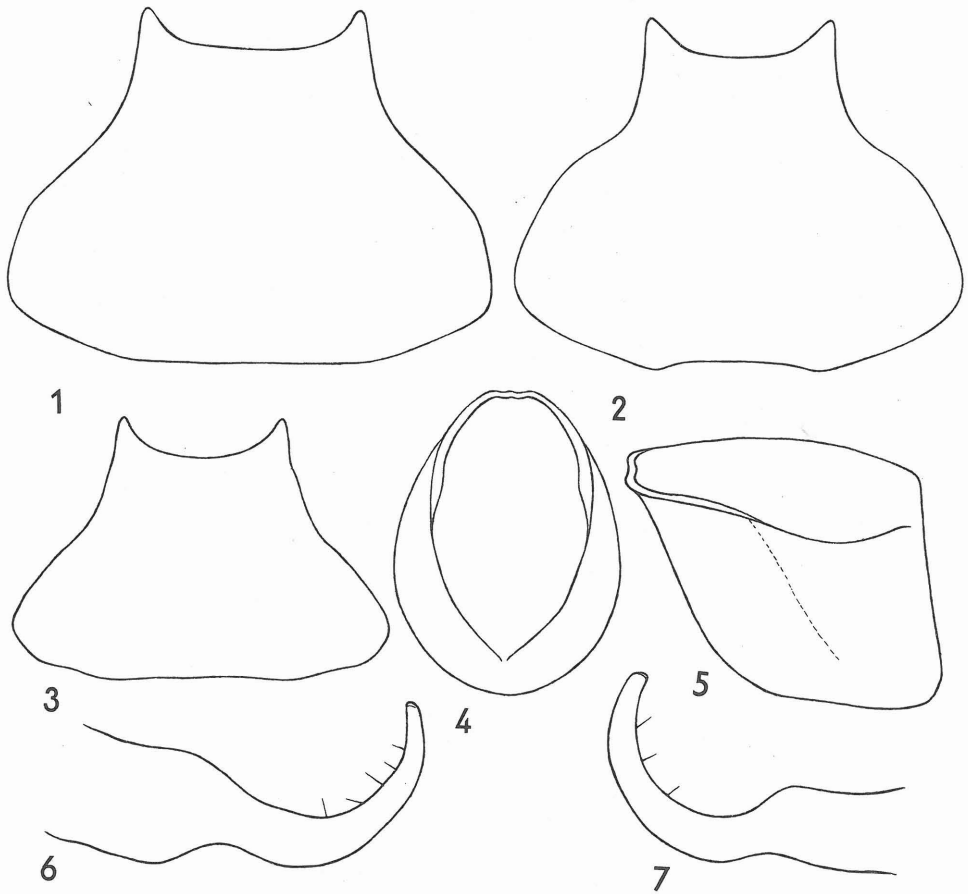
(Figs 1—7)

Male. Length 11.1 mm., maximum width across abdomen 4.4 mm. Head, length 1.75 mm., width across eyes 1.75 mm., width between eyes 1.15 mm. Antennal segments I, 1.6 mm., II, 2.6 mm., III, 2.1 mm., IV, 1.05 mm. Pronotum, length 2.3 mm., width 3.5 mm. Scutellum, length 1.4 mm., width 1.35 mm.

General shape of the body elongate, posteriorly widened, 2.5 times as long as broad across abdomen, abdomen 1.26 times broader than width of pronotum, interocular index 3.83; eyes small only slightly projecting, from the most part inserted into lateral margin of head, situated posteriorly near to the margin of pronotum, margins of head in front of eyes slightly roundish, ocelli distinct, situated near to the pronotal margin. Clypeus acute shortly projecting between antennae. Head slightly arched with dense tubercles and short adpressed hairs. Margins of head slightly callous, more distinctly posteriorly of eyes. Bucculae high, regularly roundish, posteriorly slightly narrowed, occupying 2/3 of lower head margin, regularly areolate. Rostrum reaches between middle coxae. Antenniferous tubercles reduced, however exteriorly with short distinct straight obtuse processus. Antennae rather short and thick, first antennal segment stoutest, slightly curved and basally widened, second segment longest, 1.23 times longer than third segment, second and third segments conspicuously vertically flattened, in the middle along the whole length with gently signed longitudinal carina, second segment with nearly parallel

straight sides, only proximally and distally roundish, second segment 4.56 times longer than wide in the middle of its length. Third segment widened, leaf-shaped, posteriorly being 3.19 times longer than wide subapically and subapically 2.16 times wider than subbasally, upper margin slightly curved, lower margin slightly sinuate fourth segment spindle-like, apically blunt. Antennae with distinct coarse granulation and short semiadpressed bristles, fourth segment additionally with sparse fine long erect hairs. Relative lengths of antennal segments 32 : 52 : 42 : 23. Surface of head with longitudinally arranged small globules, with short subadpressed bristles, head below with regularly dispersed small globules.

Pronotum posteriorly 1.52 times wider than long, anterior half of pronotum gradually narrowed, lateral margins of pronotum sinuate, anteriorly projecting in a distinct processus, posterolateral pronotal angles narrowly regularly rounded,



Figs. 1—3: pronotum, fig. 1: *Enoplops eversmanni* Jak., fig. 2: *Enoplops heinsi* (Osh.), fig. 3: *Enoplops hashemii* sp. n.; figs. 4—7: *Enoplops hashemii* sp. n., fig. 4: pygophore seen from above, fig. 5: pygophore seen from side, figs 6 and 7: left and right paramere.

posterior pronotal margin sinuate, in front of scutellum straight. Disc of pronotum posteriorly strongly arched, distally with transversal obsolete ridge and anteriorly strongly declivous and finally nearly plain, surface of the pronotum with irregularly arranged small globules with short adpressed hairs, anteriorly being conspicuously smaller, pronotal margin along the whole length yellowish, callous, the callosity being broader anteriorly than posteriorly. Scutellum triangular, as long as broad with straight margins, plain with dense small globules. Thorax with dense small globules, metathoracic scent gland opening large, ovate, narrowly bordered, located in anterior lower corner of metathorax.

Legs robust, short, femora and tibiae straight, finely rugous with short adpressed pubescence. Hemelytra reaching to the apex of abdomen, exterior margin of corium regularly roundish, in anterior third narrowly yellowish callous. Corium with fine however distinct globules arranged longitudinally and with short adpressed hairs, interspaces among globules with irregularly dispersed black puncturation when accumulated forming irregular distinct black spots on corium. Membrane large, nearly as long as the length of corium. Clavus with regular longitudinally arranged globules and black punctures. Dorsal part of abdomen nearly entirely black, posterior segments with brownish spots. Connexivum narrow, slightly elevated, exterior margin of respective connexival segments regularly roundish, connexival segments above black with disperse pale globules, exterior margin callous along the whole length of connexivum, unicoloured, yellowish brown, sharply separated from the dark coloured connexivum. Abdomen ventrally with irregularly dispersed puncturation.

Pygophore globular, when seen from behind as broad as high, terminal margin slightly swollen on each side moderately depressed, when seen from side spoon-like protruding terminally, genital opening broadest subapically and proximally narrowed with nearly straight margins. Parameres robust, in basal half broadest, distally sinuately narrowed, distal part of parameres curved, distinctly narrower than proximal part, parallel-sided, apically blunt.

General colour of the body dark brown and black with some yellowish characters. Head dark brown with sparse black punctures, sides of head mainly postocularly yellowish. Eyes yellow. Head below yellowish, rostrum dark brown. Antennae black, second and third segments slightly marbled brownish. Pubescence of antennae silvery. Pronotum, scutellum and corium dark brown with black punctures and disperse black spots, yellowish globules and silvery pubescence, basal part of corial margin yellowish, membrane dark brown, shining. Legs black, below scarcely brown marbled, with silvery pubescence. Abdomen dorsally black, posterior segments irregularly brownish spotted. Connexival segments with irregular black punctures, exterior margin of connexival segments along the whole length bordered by yellow callosity. Body below yellowish brown, thorax laterally with small irregular spots, abdomen ventrally with sparse black spots.

Female similar to the male.

Material examined: male — holotype: S. Iran, Hormozgan, Sanderk S. of Bashagerd, 220 m., 12.—13. 5. 1977 (loc. no. 327). Collected by Czechoslovak-Iranian expedition. 1 ♀ — paratype, similar data as for holotype.

Collected in dry sand-gravel river-bed with *Tamarix* sp., *Nerium kotschyi*, *Rhazya stricta*, *Vitex agnus-castus*, *Haplophylum tuberculatum*, *Grantia aucheri* (photo 1).



Photo 1: Sanderk, S. of Bashagerd, Hormozgan, S. Iran — dry sand-gravel river-bed with *Tamarix* sp., *Nerium kotschyi*, *Rhazya stricta*, *Vitex agnus-castus*, *Grantia aucheri* — locality of *Enoplops hashemii* sp. n. 12th May 1977, photo L. Hoberlandt

Etymology: Named for Eng. Abbas Hashemi from the Plant Pests and Diseases Research Institute, Tehran, member of Iranian staff of the expeditions.

Enoplops hashemii sp. n. is allied to *Enoplops heinsi* (Oshanin) and *Enoplops eversmanni* Jakovlev both species occurring in Soviet Middle Asia, Iran and Afghanistan.

The new species is looking rather smaller out, more finer than both mentioned species. Pronotum in new species is anteriorly gradually narrower and posterolateral angles of pronotum narrowly regularly rounded, whilst the posterolateral angles of pronotum in *E. heinsi* (Osh.) and *E. eversmanni* Jak. are broad, not regularly rounded and anteriorly suddenly narrowed in disproportionate situation. Connexivum in *Enoplops hashemii* sp. n. along the whole length bordered exteriorly by a distinct yellowish callosity, whilst in *E. heinsi* (Osh.) and *E. eversmanni* Jak. the connexivum is without yellow callosity and the puncturation of connexival segments continues until margin.

Key to the species of the genus *Enoplops* Am. et Serv.
occurring in Iran and adjacent regions

1. Second segment triangularly elongate, apically slightly

- widened, more slender than the first antennal segment, third antennal segment bicoloured, proximally yellowish brown, distally blackish 2.
- Second antennal segment strongly flattened and widened along the whole length, as broad as the first segment, third segment unicoloured, blackish, along the whole length strongly leaf-like widened 3.
2. Third antennal segment along the whole length gradually widened, apically nearly as wide as fourth segment. Connexival segments posteriorly with distinct pale spot *E. scapha* (Fab.)
- Third antennal segment only subapically wider than the fourth segment. Connexival segments without pale spots *E. disciger* (Kol.)
3. Body above dark brown with disperse distinctly delimited black spots on pronotum, scutellum and corium. Dorsal part of the abdomen black or nearly entire black 4.
- Body dark brown unicoloured without dark spots, dorsal part of the abdomen pale reddish. Head as long as broad *E. eversmanni* Jak.
4. Head distinctly longer than broad, posterolateral angles of pronotum broadly and not regularly rounded, pronotal margins anteriorly suddenly narrowed in disproportionate sinuation, proximal part of lateral margin of corium of the same coloration as the other part of corium, connexivum without yellow callosity and the puncturation of connexival segments continues until margin *E. heinsi* (Osh.)
- Head as long as wide across eyes, posterolateral angles of pronotum narrowly regularly rounded and pronotal margins regularly anteriorly gradually narrowed. Proximal margin of corium yellowish and connexivum exteriorly along the whole length bordered by a distinct yellowish callosity *E. hashemii* sp. n.

Centrocoris inflaticeps Kiritshenko, 1916

1 ♂ — S. Iran, Issin, Hormozgan, south slopes of Kuh-e Geno, 45 km. N. W. of Bandar Abbas, 11.—15. 5. 1973 (loc. no. 198), 2 ♀♀ — the same locality, 25. 5. 1973 (loc. no. 213), 1 ♂ and 1 ♀ — S. Iran, Hormozgan, Minab, 19.—20. 5. 1973 (loc. no. 203). Collected by the Czechoslovak-Iranian expeditions.

Species hitherto recorded only from South of Transcaspian region in Turkoman SSR (Imam-baba, Ters-akan, Tshatly-jagly-ochum), KIRITSHENKO 1916. Previously not recorded from Iran, first record.

Centrocoris spiniger (Fabricius, 1781)

1 ♀ — S. Iran, Fars, Mian Jangal, 30. 5.—5. 6. 1973 (loc. no. 223), 1 ♂ and 1 ♀ — S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.—10. 6. 1973 (loc. no. 229), 1 ♂ — S. Iran, Fars, Tang-e Chogan-e Olia, 1000 m., 10. 6. 1973 (loc. no. 233), 1 ♂ — S. Iran, 28 km. N. of Massiri, 1650 m., 12. 6. 1973 (loc. no. .)

236), 1 ♂ — S. Iran, Fars, Kushk, 42 km. N. of Massiri, 1800 m., 12. 6. 1973 (loc. no. 237), 1 ♀ — S. Iran, Fars, 48 km. N. of Massiri, pass in E. Zagros on the road Massiri — Yassuj, 2230 m., 12. 6. 1973 (loc. no. 238), 1 ♂ and 1 ♀ — N. Iran, Mazandaran, 53 km. N. of Dasht, Golestan forest, 960 m., 18.—19. 6. 1977 (loc. no. 375), 1 ♀ — N. Iran, Mazandaran, 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. Tehran province, Mahmudieh, 22. 7. 1948 (144), P. A., 1 ♂ — N. Iran, Mazandaran, Beshahr, —20 m., 14. 9. 1948 (163), P. A., 1 ♂ — S. Iran, Fars, Djahrom, 16. 7. 1949, collected by, H. Mirzayans 1 ♀ — N. Iran, Ghasr Chirin, Naff. Shah, 22. 4. 1950, collected by Farachbankch, 1 ♂ — N. Iran, Gholhak near Tehran, 1400 m., 9.—23. 5. 1961, 2 ♂♂ and 1 ♀ — 5. 6. 1961, collected by J. Klapperich, 1 ♂ — Iran, Bnsar, 18. 5. 1957 collected by M. Abai.

Previous record from Iran: N. E. Iran, Khorassan, Maabad, Mazandaran, Gorgan, river Karasu, KIRITSHENKO 1916; S. Iran, Fars, Fassa, HOBERLANDT 1959; Fars, 25 km. S. W. of Djahrom, KIRITSHENKO 1966; N. Iran, Mazandaran, Firuzabad (Chalus), WAGNER 1968; S. Iran, Fars, 25 km. S. W. of Djahrom as *Centrocoris bampurensis* Linnavuori, 1971, synonymy by TSHERNOVA 1979.

Species of Holomediterranean distribution, extending into the southern parts of European steppe zone. In the Middle East recorded from Cyprus, Israel, Anatolia, Syria, Iran, Transcaucasia and Caucasia. In Soviet Middle Asia from Turkmanistan.

Centrocoris volxemi (Puton, 1978)

1 ♂ — N. W. Iran, Azarbaidjan, Zonus Chay, 66 km. W. of Marand, 20. 6. 1970 (loc. no. 25), 12 ♂♂ and 9 ♀♀ — N. Iran, Tehran province, Robat-e Tork, 29. 6. 1970 (loc. no. 34), 1 ♀ — W. Iran, Lorestan, 50 km., N. of Kuhrang, 2200 m., valley of upper stream of the river Zayandeh-rud, 1. 7. 1970 (loc. no. 38), 2 ♂♂ — N. Iran, Mazandaran, Elburz mountains, Gazanak (Ask), 1400 m., in the valley of the river Haraz Chay, 20.—21. 7. 1970 (loc. no. 63), 1 ♂ — N. W. Iran, Azarbaidjan, 23 km. S. W. of Marand, 17. 8. 1970 (loc. no. 97), 1 ♂ — N. Iran, Tehran-Evin, 1700—2000 m., 9.—10. 3. 1973 (loc. no. 123), 1 ♂ — E. Iran, Kerman province, 13 km. W. S. W. of Kerman, 29. 4. 1973 (loc. no. 182), 1 ♀ — S. Iran, Kerman province, 24 km. S. S. W. of Hajiabad, 9.—10. 5. 1973 (loc. no. 194), 1 ♂ — S. Iran, Hormozgan, Baghu, 22 km. N. E. of Bandar Abbas, 25. 5. 1973 (loc. no. 212), 1 ♀ — N. Iran, Tehran province, Ghazvin, 4. 7. 1973 (loc. no. 263), 1 ♀ — N. E. Iran, Khorassan, 25 km. N. N. W. of Shusf, 6. 6. 1977, (loc. no. 359), 1 ♂ — N. E. Iran, Khorassan, Hares-abad, 10 km. S. of Sabzevar, 940 m., 15.—16. 6. 1977 (loc. no. 368), 1 ♂ — N. E. Iran, Khorassan, Sabzevar, 16. 6. 1977 (loc. no. 369). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ and 1 ♀ — N. W. Iran, Azarbaidjan, 11. 7. 1967 collected by Damanabi, 1 ♂ — E. Iran, Kerman province, Rafsandjan, 10. 9. 1972 collected by M. Safavi.

Previous records from Iran: N. W. Iran, Azarbaidjan, Tabriz (KIRITSHENKO 1916); Azarbaidjan, Alamdar, N. Iran, Karadj (HOBERLANDT 1954).

Species of Irano-Turanian distribution, in S. W. Asia recorded from Turkmanistan and N. E. Anatolia.

KIRITSHENKO (1966) records further species from Iran *Centrocoris degener* (Puton, 1874), S. E. Iran, Baluchestan, 20 km. W. of Iranshahr (KIRITSHENKO 1966). Species known from N. Africa (Algeria and Egypt) only.

Cercinthus lehmanni (Kolenati, 1856)

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, Dowlatabad, 85 km. E. of Hajiabad on the road Sowghan and Hajiabad, 9. 5. 1973 (loc. no. 192), 1 ♂ — S. Iran, Hormozgan, Kuh-e Geno, 600—1000 m., 15 km. N. W. of Issin, 27.—28. 4. 1977 (loc. no. 318), 1 ♂ — S. Iran, Hormozgan, Dar-pahn, 12 km. of Sanderk, 300 m., 11.—12. 5. 1977 (loc. no. 326), 1 ♀ — S. Iran, Hormozgan, 17 km. N. E. of Rudan, road tunnel No. 7, 15. 5. 1977 (loc. no. 331). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ — S. Iran, Hormozgan, Bandar Abbas-Reyvar, 20. 4. 1949, collected by E. Esfandiari.

Previous records from Iran: S. E. Iran, Baluchestan, Seri-sich, Bazman, Sarbaz, KIRITSHENKO 1916; S. E. Iran, Baluchestan, Hamane Kuh, S. E. of Iranshahr, SEIDENSTÜCKER 1957; S. E. Iran, Kerman province, Sands Gahkom 30 km. S. of Hajiabad; S. Iran, Hormozgan, 40 km. W. of Bandar Abbas, Bandar Abbas — Lar, KIRITSHENKO 1966; S. Iran, Hormozgan, Bandar-e Lengeh, WAGNER 1968.

Species of Eremian distribution, ranging from N. Africa to Soviet Middle Asia.

Phyllomorpha laciniata (Villers, 1789)

3 ♂♂ and 4 ♀♀ — N. Iran, Tehran-Evin, 1700 — 2000 m., 14. 3. 1973 (loc. no. 123), 2 ♂♂ and 4 ♀♀ — E. Iran, Kerman province, Den Bakri, Kuh-e Jebal Barez, 1700 — 1750 m., 30. 4.—3. 5. 1973 (loc. no. 186). Collected by the Czechoslovak-Iranian expeditions.

Previous records from Iran: „Persia“, OSHANIN 1906; N. Iran, Tehran, Khar; W. Iran, Arak, HOBERLANDT 1954; S. E. Iran, Baluchestan, Iranshahr, WAGNER 1968.

Species of Holomediterranean distribution, in S. W. Asia recorded from Caucasia, Transcaucasia, Anatolia, Iran, Syria and Israel.

Phyllomorpha lacerata Herrich Schäffer, 1835

30 ♂♂ and 32 ♀♀ — N. Iran, Tehran-Evin, 1700—2000 m., 14. 3. 1973 (loc. no. 123), 2 ♀♀ — E. Iran, Kerman province, Jebal Barez Mts., Deh Bakri, 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., on the road between Deh Bakri and Sabzevaran, 3.—5. 5. 1973 (loc. no. 187), 3 ♂♂ and 4 ♀♀ — S. Iran, Fars, 30 km. S. of Kazerun, 1300 m., 8.—10. 6. 1973 (loc. no. 229), 1 ♂ — S. Iran, Fars, Kushk, 42 km. N. of Massiri, 1800 m., 12. 6. 1973 (loc. no. 237), 1 ♀ — N. Iran, Tehran province, 8 km. N. E. of Ziaran, 2400 m., 10.—16. 7. 1977 (loc. no. 400), 1 ♂ — N. W. Iran, Azarbaidjan, 20 km. N. of Shahpur (Salmas), 27. 7. 1977 (loc. no. 405). Collected by the Czechoslovak-Iranian expeditions

Previous records from Iran: „Persia, Pe“ (OSHANIN 1906, 1912); W. Iran, Kordestan, Akanlu (WAGNER 1961); W. Iran, Kordestan, mountains Galeh near Shahabad, Kermanshah; Dolatabad near Hamadan; Yengedjeh near Hamadan; N. Iran, Tehran province, Gharaghadj near Varamin, BROWN 1966; S. E. Iran, Baluchestan, 100 km N. of Iranshahr; Dolatabad; S. Iran, Fars, Dahte Argan 60 km. W. of Schiraz (WAGNER 1968).

Species of Pontomediterranean distribution extending westwards as far as Sicily and Italy, in S. W. Asia recorded from Caucasia, Transcaucasia, Anatolia, Iran, Israel and in Soviet Middle Asia recorded from Turkmanistan.

Spathocera lobata (Herrich Schäffer, 1842)

1 ♂ — N. Iran Mazandaran, vicinity of Dasht, National Wildlife Park, 650 m., 27.—30. 7. 1970 (loc. no. 77), 1 ♂ — S. Iran, Hormozgan, Issin, 28. 4.—6. 5. 1977 (loc. no. 320). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ — N. Iran, Tehran province, Karadj, 9. 10. 1975, collected by M. Sabzevari.

From Iran previously recorded only by KIRITSHENKO 1916 without exact locality.

Species of Holomediterranean distribution, in S. W. Asia recorded from Anatolia, Caucasia, Transcaucasia and Soviet Middle Asia recorded from Turkmanistan.

Spathocera tenuicornis Jakovlev, 1882

2 ♀♀ — N. Iran, Tehran province, 8 km. N. E. of Ziaran, 2400 m., 10.—16. 7. 1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♀ — Iran, Azna-Bavaki, 14. 7. 1969 collected by A. Pazuki.

Previous records from Iran: „Persia“ without exact locality (OSHANIN 1906, 1912); N. Iran, Shaku and S. E. Iran, Baluchestan, Bampur (KIRITSHENKO 1916).

Species of Irano-Turanian distribution, in the Near East recorded from Cyprus, Anatolia, Israel and Iran, in Soviet Middle Asia recorded from Turkmanistan.

PSEUDOPHLOEINAE

Arenocoris intermedius (Jakovlev, 1882)

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, 130 km. E. N. E. of Bam, 23.—24. 1973 (loc. no. 176), 1 ♂ — E. Iran, Kerman province. Mohammad-abad, 35 km. N. N. W. of Sabzevaran (Jiroft) on the road between Deh Bakri and Sabzevaran, 1600 m., 3.—5. 5. 1973 (loc. no. 187), 1 ♀ — S. Iran Kerman province, Gardaneh-e Besan (pass), 15 km. N. W. of Furk, 1000—1400 m., 28.—29. 5. 1973 (loc. no. 218). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♀ — S. Iran, Hormozgan, Bandar-e Lengeh, 23. 3. 1965, 1 ♂ and 11 ♀♀ — S. Iran, Hormozgan, Bandar Abbas, 28. 3. 1965, E. Iran, Kerman province, Rafsandjan, 21. 4. 1973, 2 ♀♀ — E. Iran, Nough, 27. 4. 1973, 27. 4. 1973 (on *Tamarix*) collected by M. Safavi, 1 ♀ — S. W. Iran, Khuzistan, Minu Isl., 29. 4. 1976 collected by A. Pazuki and M. Abai.

Previous records from Iran: N. Iran, Tehran, S. Iran, Fars, Schiraz-Bushehr (KIRITSHENKO 1952); S. E. Iran, Baluchestan, Iranshahr (as *Arenocoris angustus* Reuter, Seidenstücker 1957); N. Iran, Mazandaran, Bandar Pahlavi, 30 km. N. of G. Hons, S. Iran Hormozgan, Bandar-e Lengeh (WAGNER 1968).

Species of Mediterranean distribution, in S. W. Asia recorded from Iran, Israel, in Soviet Middle Asia recorded from Turkmanistan.

Arenocoris waltli (Herrich Schäffer, 1834)

1 ♀ — S. Iran, Fars, Schiraz, 10. 3. 1957 collected by M. Safavi.

Species of Mediterranean distribution with northern extension. In S. W. Asia recorded from Cyprus, Anatolia, Israel and Syria, Transcaucasia and Caucasia; in Soviet Middle Asia recorded from Turkmanistan. From Iran previously not recorded, first record.

Arenocoris latissimus Seidenstücker, 1960

1 ♀ — N. Iran, Mazandaran, 53 km. N. of Dasht, Golestan forest, 960 m., 18.—19. 6 1977 (loc. no. 375). Collected by the Czechoslovak-Iranian expedition.

Previous record from Iran: N. E. Iran, Khorassan, Zard 90 km. W. of Bojnurd (WAGNER 1968).

For the time being this species is recorded only from South Anatolia (Ulukisla, Nigde — type locality, SEIDENSTÜCKER 1960) and N. E. Iran.

Ceraleptus lividus Stein, 1858

3 ♀♀ — N. Iran, Tehran-Evin, 1700—2000 m., 9.—10. 3. 1973 (loc. no. 123), 1 ♂ — S. Iran, Fars, Tang-e Chogan-e Olia, 1000 m., 10. 6. 1973 (loc. no. 233). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♀ — N. Iran, Gharaghadj, 17. 3. 1947 collected by Omidvar, 1 ♂ — N. Iran, Varamin, 1. 10. 1949 collected by Varzi.

Species of European distribution ranging into Mediterranean and eastwards to Soviet Azarbaijan. Previously not recorded from Middle East, first record for Iran.

Ceraleptus gracilicornis (Herrich Schäffer, 1835)

1 ♂ — N. Iran, Mazandaran, Ramian-Gorgan, 15. 7. 1948 collected by G. Scharif, 1 ♂ — N. Iran, Moghan, 8. 5. 1961 collected by Damanabi.

Species of Mediterranean distribution extending into the steppe zone of Central Europe; in S. W. Asia recorded from Caucasia, Transcaucasia, Anatolia and Iran („N. Persia“ Mazandaran, Gorgan (Astrabad), JAVKOLEV 1877 and „N. Persia“, OSHANIN 1906).

Ceraleptus obtusus (Brullé, 1839) is the third species of the genus *Ceraleptus* Costa occurring in Iran, when recorded from province Fars, Lake Neiriz (WAGNER 1961); N. Iran, Varamin, Gharaghadj (BROWN 1966); S. Iran, Kerman province, Djiroft (KIRITSHENKO 1966); S. Iran, Hormozgan, Bandar-e Lengeh; mountains near Esfahan (WAGNER 1968).

Species of Mediterranean distribution, in S. W. Asia recorded from Cyprus, Syria, Iraq, Anatolia, Iran, in Soviet Middle Asia recorded from Turkmanistan.

Loxocnemis dentator (Fabricius, 1794)

1 ♀ — S. Iran, Fars, Djahrom, 2. 6. 1956 collected by M. Safavi.

Previously not recorded from Iran, first record.

Species of Mediterranean distribution, in S. W. Asia recorded from Cyprus, Anatolia, Syria and Iran.

Bothrostethus annulipes (Costa, 1847)

1 ♀ — N. W. Iran, Azarbaijan, Ahar, 10. 9. 1958 collected by M. Safavi.

Previously not recorded from Iran, first record.

Species of Mediterranean origin ranging in Central Europe and penetrating in Caucasia and in Soviet Middle Asia recorded only from Zaravshan ridge.

Coriomeris validicornis Jakovlev, 1904

1 ♂ — N. Iran, Tehran-Evin, 1700—2000 m., 14. 3. 1973 (loc. no. 123). Collected by Czechoslovak-Iranian expedition.

Described from Transcaucasia. Previously recorded from N. Iran, Tehran province, Shahrud, Doab (TSHERNOVA 1978).

Coriomeris alpinus (Horváth, 1895)

2 ♂♂ — N. Iran, Tehran province, Kandavan pass, 2780 m., south slopes of Elburz mountains, 4.—9. 1977 (loc. no. 395), 2 ♂♂ — N. Iran, Tehran province, 8 km. N. E. of Ziaran, 2400 m., 10.—16. 7. 1977 (loc. no. 400). Collected by the Czechoslovak-Iranian expeditions.

Previously not recorded from Iran, first record.

Species occurring in mountainous regions of Central Europe and further in Sicily, Spain, Greece, N. W. Mongolia, Anatolia and recently in mountainous region of N. Iran.

Coriomeris hirticornis (Fabricius, 1794)

2 ♂♂ — N. Iran, Mazandaran, Gazanak (Ask), Elburz Mountains, 1400 m., valley of the river Haraz Chay, 20.—21. 7. 1970 (loc. no. 63), 1 ♂ — N. Iran, Mazandaran, Behshahr, 25. 7. 1970 (loc. no. 72), 1 ♂ — N. Iran Mazandaran, Feyz-abad, 25 km. E. of Gorgan, 27. 7. 1970 (loc. no. 75), 1 ♂ — S. Iran, Fars, Mian Jangal, 30. 5. — 5. 6. 1973 (loc. no. 223), 2 ♂♂ — S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.—10. 6. 1973 (loc. no. 229), 1 ♂ — S. Iran, Fars, 28 km. N. of Massiri, 1650 m., 12. 6. 1973 (loc. no. 236), 1 ♂ and 3 ♀♀ — S. Iran, Fars, Kushk, 42 km. N. of Massiri, 1800 m., 12. 6. 1973 (loc. no. 237), 1 ♂ — S. Iran, Fars, 13 km. S. S. W. of Yassuj, 1800 m., E. Zagros, valley of the river Rudkhaneh-e Rum, 12.—13. 6. 1973 (loc. no. 239), 1 ♂ — W. Iran, Azarbaidjan, Jabal Kandi, 38 km. N. of Rezaiyeh on the west bank of Lake Rezaiyeh, 6. 7. 1973 (loc. no. 270). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ — N. Iran, Tehran province, Karadj, 6. 10. 1957, 1 ♂ — N. Iran, Mazandaran, Nowshahr, 23. 5. 1965 collected by M. Safavi.

Previous record in Iran: N. Iran, Mazandaran, Firuzabad (WAGNER 1968 and TSHERNOVA 1978).

Species of Mediterranean origin extending into the steppe zone of Central Europe, in S. W. Asia recorded from Cyprus, Anatolia, Israel, Lebanon, Syria, Iran, Transcaucasia and Caucasia. Not recorded from Middle Asia.

Coriomeris bergevini Poppius, 1912

1 ♂ — S. Iran, Kerman province, Chashmeh-e 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 expedition.

Species recorded previously only from Algeria and Israel. Previously not recorded from Iran, first record.

Coriomeris pallidus Reuter, 1900

1 ♂ — S. Iran, Fars, 10 km. N. of Kazerun, 5.—6. 7. 1970 (loc. no. 45), 1 ♀ — N. Iran, Tehran-Evin, 1700—2000 m., 14. 3. 1973 (loc. no. 123), 4 ♂♂ and 7 ♀♀ — S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.—10. 6. 1973 (loc. no. 229), 2 ♀♀ — S. Iran, Fars, Kushk, 42 km. N. of Massiri, 1800 m., 12. 6. 1973 (loc. no. 237), 1 ♀ — S. Iran, Hormozgan, Bagh-e Tang, 6 km. W. of Geno, 410 m., 50 km. N. of Bandar Abbas, 7.—9. 5. 1977 (loc. no. 323), 1 ♀ — N. E. Iran, Khorassan, Mashhad, 9.—11. 6. 1977 (loc. no. 362). Collected by the Czechoslovak-Iranian expeditions.

Previous records from Iran: N. Iran, Tehran; Shahrud; N. W. Sistan and S. E. Iran, Baluchestan, Bampur (TSHERNOVA 1978).

Species recorded from Soviet Middle Asia, S. W. Mongolia, Iran and Anatolia.

Coriomeris armeniacus Tshernova, 1978

1 ♂ — S. Iran, Hormozgan, Kuh-e Geno, 1600—2100 m., 5. 5. 1977 (loc. no. 322). Collected by the Czechoslovak-Iranian expedition.

Species recorded from Armenian SSR (area of Erevan), Azarbaijan SSR (Nachitshevan, Dzhulfa), Turkey (region of Ercincan, Mamahatun on the river Euphrat and Demirci S. of Simav) and in Iran recorded from Arys, Irak-Adzhemi, Bujun and Tehran (TSHERNOVA 1978).

Coriomeris vitticollis Reuter, 1900

1 ♂ and 19 ♀♀ — N. Iran, Tehran-Evin, 1700—2000 m., 9.—10. 3. 1973 (loc. no. 123). 1 ♀ — N. Iran, Tehran-Evin (gardens of the Institute), 1700 m., 13. 3. 1973 (loc. no. 124), 1 ♂ and 1 ♀ — 14. 3. 1973 (loc. no. 123), 1 ♂ — E. Iran, Kerman province, Jabal Barez Mts., Deh Bakri, 1700 — 1750 m., 30. 4.—3. 5. 1973 (loc. no. 186), 1 ♀ — S. Iran, Fars, Mian Jangal, 30. 5.—5. 6. 1973 (loc. no. 223), 1 ♂ and 1 ♀ — S. Iran, Fars, 30 km. E. of Kazerun, 1300 m., 8.—10. 6. 1973 (loc. no. 229), 1 ♂ — S. Iran, Fars, 23 km. N. of Massiri, 1650 m., 12. 6. 1973 (loc. no. 236), 1 ♂ — S. Iran, Hormozgan, Chah-kuh, 15 km. N. E. of Bandar-e Lengeh, 25.—26. 4. 1977 (loc. no. 313), 1 ♂ — E. Iran, Baluchestan, 20 km. N. W. of Zahedan, 3. 6. 1977 (loc. no. 356), 1 ♂ — N. Iran, Mazandaran, 53 km. N. of Dasht, Golestan forest, 960 m., 18.—19. 6. 1977 (loc. no. 375), 2 ♂♂ — N. Iran, Gillan, Sheykh Mahalleh (Assalem), 160 m., 28. 6.—3. 7. 1977 (loc. no. 390), 1 ♂ — N. Iran, Tehran province, Kandavan pass, south slopes of Elburz mountains, 2780 m., 4.—9. 7. 1977 (loc. no. 395), 3 ♂♂ and 2 ♀♀ — N. Iran, Tehran 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: 2 ♀♀ — N. Iran, Tehran province, Varamin, Gharaghadj, 10. 10. 1958, 1 ♂ — N. Iran, Tehran-Evin, 31. 7. 1972 (by light trap) collected by M. Safavi. 1 ♀ — N. Iran, Karadj, 21. 10. 1974 collected by Sabzavar.

Previous records from Iran: N. Iran, Gilan, Racht, Tahergurab (SEIDENSTÜCKER 1957); N. Iran, Mazandaran, Gorgan (TSHERNOVA 1978).

Species recorded from southern parts of European USSR, Dagestan, Transcaucasia, Turkmanistan, Iran, Syria, Iraq, Cyprus and Egypt.

Coriomeris affinis (Herrich Schäffer, 1839)

1 ♀ — N. Iran, Tehran-Evin, 1700—2000 m., 9. — 10. 3. 1973 (loc. no. 123). Collected by the Czechoslovak-Iranian expedition.

Previous records from Iran: N. Iran, Karadj (LINDBERG 1938); Mazandaran, Kalardasht, Chalus, Nowshar, Bandar Pahlavi (as f. *spinolai* Costa) (WAGNER 1968, TSHERNOVA 1978).

Species of Mediterranean distribution, ranging in Syria, Egypt, Iran and Anatolia.

Coriomeris subglaber Horváth, 1917

21 ♂♂ and 16 ♀♀ — N. Iran, Teheran-Evin, 1700—2000 m., 14. 3. 1973 (loc. no. 123), 1 ♂ — S. Iran, Kerman province, 8—45 km. E. of Hadjiabad, 9. 5. 1973 (loc. no. 193), 1 ♂ — N. Iran, Tehran-Evin, 1700—2000 m., 26. 7. 1973 (loc. no. 280). Collected by the Czechoslovak-Iranian expeditions.

Further material examined: 1 ♂ — W. Iran, Avadg, 2300 m., 10. 8. 1968 collected by H. Mirzayans.

Previous record from Iran: W. Iran, Kordestan, Yengadjeh near Hamadan (BROWN 1966).

Species recorded at present only from Greece, Turkey and Iran.

Further species of the genus *Coriomeris* Westwood recorded from Iran:

Coriomeris scabricornis scabricornis (Panzer, 1809) — Iran, without exact locality (TSHERNOVA 1978) — species of Palaearctic distribution, in S. W. Asia recorded from Caucasia, Syria, Anatolia and Iran.

Coriomeris planicornis Lindberg, 1923 — N. Iran, Tehran province, Varamin (HOBERLANDT 1954, TSHERNOVA 1978) — Species recorded only from Greece and Iran.

Coriomeris denticulatus (Scopoli, 1763) — N. Iran, Mazandaran Firuzabad (WAGNER 1968) — species of European distribution, in S. W. Asia recorded from Caucasia, Transcaucasia, Syria, Israel, Anatolia and Iran.

Clavigrella scutellaris (Westwood, 1842)

1 ♀ — S. E. Iran, Baluchestan, Tis, 6.—7. 4. 1973 (loc. no. 150). Collected by the Czechoslovak-Iranian expedition.

Further material examined: 1 ♂ and 1 ♀ — S. E. Iran, Baluchestan, Bandar-e Chah Bahar, 11. 9. 1982 on *Vica sativa*, collected by M. Safavi.

Distributed from Kenya and Sudan through Arabian peninsula and Pakistan to India. Recorded from Afghanistan: Nengravou province (DOLLING 1978). Previously not recorded from Iran, first record.

Family Coreidae in Iran is represented by 40 species belonging to 16 genera of which 11 species listed in this paper are new for Iranian fauna and one of them is new for science:

Gonocerus juniperi H. Sch.
Haploprocta horniana Kirit.
Enoplops hashemii sp. n.
Centrocoris inflaticeps Kirit.
Arenocoris waltli (H. Sch.)
Ceraleptus lividus Stein

Loxocnemis dentator (Fab.)
Bothrostethus annulipes (Costa)
Coriomeris alpinus (Horv.)
Coriomeris bergevini Popp.
Clavigrella scutellaris (Westw.)

Majority of the species of Coreidae registered from Iran are of Palaearctic distribution with different origin of their elements. In the following survey all species of Iranian Coreidae are characterized with regard to respective faunal elements:

Species of Transpalaearctic distribution:

Coreus marginatus (Lin.)
Coriomeris scabricornis scabricornis (Panz.)

Species of European distribution:

Gonocerus juniperi H. Sch.
Gonocerus acuteangulatus (Goeze)
Syromastes rhombeus (Lin.)

Ceraleptus lividus Stein
Coriomeris alpinus (Horv.)
Coriomeris denticulatus (Scop.)

Species of Transmediterranean distribution:

Centrocoris spiniger (Fab.)
Phyllomorpha laciniata (Vill.)
Spathocera lobata (H. Sch.)
Arenocoris intermedius (Jak.)
Arenocoris waltli (H. Sch.)
Ceraleptus gracilicornis (H. Sch.)

Ceraleptus obtusus (Brullé)
Loxocnemis dentator (Fab.)
Bothrostethus annulipes (Costa)
Coriomeris hirticornis (Fab.)
Coriomeris affinis (H. Sch.)

Species of East-(Ponto)-Mediterranean distribution:
Enoplops disciger (Kol.) *Coriomeris subglaber* Horv.
Phyllomorpha lacerata H. Sch. *Coriomeris planicornis* Lindb.
Coriomeris vitticollis Reut.

Species of Eremian distribution:
Omanocoris versicolor (H. Sch.) *Cercinthus lehmanni* (Kol.)
Centrocoris degener (Put.) *Coriomeris bergevini* Popp.

Species of Irano (Anatolian)-Turanian distribution:
Haploprocta horniana Kirit. *Spathocera tenuicornis* Jak.
Haploprocta pustulifera (Stal) *Arenocoris latissimus* Seid.
Enoplops heinsi (Osh.) *Coriomeris validicornis* Jak.
Enoplops hashemii sp. n. *Coriomeris pallidus* Reut.
Centrocoris inflaticeps Kirit. *Coriomeris armeniacus* Tsher.
Centrocoris volxemi (Put.)

Species of Tropical (Afro-Asiatic) distribution:
Clavigrella scutellaris (Westw.).

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LUDVÍK HOBERLANDT

VÝSLEDKY ČESKOSLOVENSKO-ÍRÁNSKÝCH ENTOMOLOGICKÝCH EXPEDIC
DO ÍRÁNU V LETECH 1970, 1973 A 1977. Heteroptera: Coreidae

Podkladem pro zpracování čeledi Coreidae (Heteroptera) vyskytujících se na území Íránu byl materiál získaný na třech sběrných expedicích Národního muzea v Praze do Íránu v letech 1970, 1973 a 1977. Celkem je uváděno 40 druhů z nichž 11 druhů (*Gonocerus juniperi* H. Sch., *Haploprocta horniana* Kirit., *Enoplops hashemii* sp. n., *Centrocoris inflaticeps* Kirit., *Arenocoris waltli* (H. Sch.), *Ceraleptus lividus* Stein, *Loxocnemis dentator* (Fab.), *Bothrostethus annulipes* (Costa), *Coriomeris alpinus* Horv., *Coriomeris bergevini* Popp. a *Clavigrella scutellaris* (Westw.)), je uváděno poprvé z území Íránu.

Většina druhů čeledi Coreidae známých z Íránu patří k druhům s palaearktickým rozšířením, pouze *Clavigrella scutellaris* (Westw.) patří k druhům s afro-asijským rozšířením. Z palaearktických druhů převládá medieterránní element.

V práci je popsán nový druh *Enoplops hashemii* sp. n. z jižního Íránu (provincie Hormozgan) a pro druhy rodu *Enoplops* Am. et Serv. vyskytující se v Íránu a v přilehlých oblastech je zpracován určovací klíč.