

## Records of Galerucinae (Coleoptera, Chrysomelidae) from the Indian subcontinent. Part 1.

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Records are given for 29 species of Oidini, Galerucini, Metacyclini and Hylaspini from Pakistan, northern India, Nepal and Bhutan. *Meristata quadri-fasciata interrupta* (Kollar & Redtenbacher) is considered subspecifically distinct, *Galerucella placida* Baly is considered separate from *G. griseescens* (Joann.), and the status of *Nepalogaleruca elegans angustilineata* Kimoto & Takizawa is discussed.

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In recent years the insect fauna of the Himalayan area has been quite intensively studied by many scientific institutions. Material collected by such expeditions has resulted in many reports concerning various insect groups. The material upon which this report is based comes from two institutions, the Biosystematics Research Institute in Ottawa, Canada, and the Natural History Museum in Basel (abbreviated as MB). Most of the Ottawa material was collected by the Canadian Nepal Expedition in 1967, in the lists abbreviated as CNE. Additionally a few specimens from the Natural History Museum, London (BMNH), are included. The data for the species are otherwise in the form given on the labels.

### Records

#### OIDINI

##### *Oides flava* (Olivier, 1807)

Nepal: Nepal, nr. Simra, Adhabhar, 600 ft., 27.8.1967, CNE (8 exx.).

Previous records — India: Maharashtra, Tamil Nadu, Arunachal Pradesh. Bangladesh. Kampuchea. Laos. Vietnam. China (Hainan). Malaysia. Indonesia. Philippines. Not previously reported from Nepal.

##### *Oides livida* (Fabricius, 1801)

India: Sikkim 77, Bhakta B., Sara Khola, 870 m (Rangeli River), 18.4., 1 ex. (MB).

Previous records — India: W.Bengal (Darjeeling Distr.), Sikkim, Meghalaya, Manipur. Nepal. Bhutan. Bangladesh. Burma. Thailand. Laos. Vietnam. China. Malaysia. Indonesia.

##### *Oides scutellata* (Hope, 1831)

Pakistan: Swat, Pak., 1978, W.Wittmer, Miandam, 3.VI., 1800/2300 m (2 exx.) (MB). — India: India, U.P., 1978, W.Wittmer, Bhimtal, 1–15.5., 1400/1500 m (2 exx.) (MB); India, U.P., 1978, W.Wittmer, Bhowali, 12.5., 1500/1600 m (1 ex.) (MB); India, U.P., 1978, W.Wittmer, Nalnital [The name is given as Nalnital, which presumably is a printing error for Nainital], 13.V., 1800/2000 m (4 exx.) (MB); India, U.P., 1978, W.Wittmer, Nalnital, 14.V., 1800/2000 m (13 exx.) (MB); India, U.P., 1978, W.Wittmer, Chaugreni 23.5., 2200–2500 m (1 ex.) (MB).

Previous records — Pakistan. India: Himachal Pradesh, Uttar Pradesh (Kumaon), Meghalaya. Nepal. Bangladesh.

## GALERUCINI

*Periclitena vigorsii* (Hope, 1831)

Nepal: Nepal, 4400', Kathmandu, 20.6.1967, CNE (3 exx.); *id.*, 4600', 20.6.1967 (2 exx.); Nepal, Ktm., Godavari, 6000', 12.7.1967, CNE (1 ex.); *id.*, 5000', 15.7.1967 (1 ex.); Nepal, Bhakta B., Trisuli, 20.VI., 570–1200 m (1 ex.) (MB); O.Nepal, 1980, W.Wittmer, Num – Hedangna, 1500–750–1100 m, 26.5. (2 exx.) (MB); O.Nepal, 1980, W.Wittmer, Lamobagar Gao – Hedangna, 1000–1500–1100 m, 4.6. (1 ex.) (MB); E.Nepal, Arun V., M.Brancucci, Num, 1550 m, 5–6.VI.1983 (1 ex.) (MB); E.Nepal, Arun V., M.Brancucci, Lamobagar – Gola, 1400 m, 8–14.VI.1983 (2 exx.) (MB); E.Nepal, Arun V., M.Brancucci, Arun R., 800 m, Hedangan – Num, 16.VI.1983 (1 ex.) (MB). — India: Darjeeling Distr., W.B. India, 1978, Pedong, 15.VIII., 800/1200 m (2 exx.) (MB); India, Bhakta Bahadur, Umg. Kalimpong, 8.5.1981, 600 m (1 ex.) (MB); Darjeeling Distr., India, Bhakta B., Kalee, 600 m, 9.X.81 (1 ex.) (MB); Darjeeling Distr., India, Bhakta B. (1 ex.) (MB); Sikkim, Bhakta B., Mangon, 2.9.1977 (2 exx.) (MB); Sikkim, Bhakta B., Pelling, 2100 m, 10.IV.1978 (1 ex.) (MB).

Previous records — Pakistan. India: Punjab, Kerala, Bihar, W.Bengal, Sikkim, Meghalaya, Arunachal Pradesh, Manipur, Nepal, Bangladesh, Burma, Thailand, Laos, Vietnam, China (Hainan), Malaysia.

*Doryxena grossa* (Hope, 1831)

Nepal: Nepal, 4400', Kathmandu, 2–7.9.1967, CNE (1 ex.).

Previous records — India: "Assam". Nepal. China.

*Sastroides purpurascens* (Hope, 1831)

Nepal: Nepal, 1977, Wittmer, Brancucci, Balaju, 1300–1370 m, 23.5. (1 ex.) (MB); Nepal, Kathmandu V., M.Brancucci, Godawari, 1500 m, 17.V.1983 (1 ex.) (MB); Nepal, Kathmandu V., M.Brancucci, Balaju, 1400 m, 20.V.1983 (1 ex.) (MB); E.Nepal, Arun V., M.Brancucci, Arunthan 1300 m – Chichila 1950 m, 29.V.1983 (1 ex.) (MB).

Previous records — India: Sikkim. Nepal. Burma. Thailand. Laos.

*Menippus cervinus* (Hope, 1831)

India: India, U.P., M.Brancucci, Naugaon, 1100 m, 11.6.1981 (38 exx.) (MB).

Previous records — India: Uttar Pradesh. Nepal. Burma. Thailand. Laos. Vietnam. China.

*Diorhabda lusca* Maulik, 1936

India: Indien, Kashmir, Aspöck, Rausch, 8.VII.1980, Ekala – Sonder, 1800–2000 m (1 ex.) (MB); India, U.P.,

1981, M.Brancucci, Bhimtal, 20.V., 1300–1500 m (1 ex.) (MB); India, U.P., 1981, M.Brancucci, Barkot, 5–12.6., 1100–1200 m (4 exx.) (MB); India, U.P., M.Brancucci, Naugaon, 1100 m, 11.6.1981 (38 exx.) (MB).

Previous records — Pakistan. India: Himachal Pradesh, Uttar Pradesh (Dehra Dun).

*Atysa marginata* (Hope, 1831)

India: Jammu, 1980, W.Wittmer, Patni Top, 2000 m, 2.7. (32 exx.) (MB); India, U.P., 1981, M.Brancucci, Chaubattia, 25.5., 1900–2100 m (6 exx.) (MB); India, U.P., M.Brancucci, Mussoorie, 2000 m, 30.5.–4.6.1981 (1 ex.) (MB). — Nepal: O.Nepal, 1980, W.Wittmer, Lamobagar Gao, 1400 m, 28–31.5. (1 ex.) (MB).

Previous records — Pakistan: Punjab. India: Uttar Pradesh (Kumaon), Meghalaya, Arunachal Pradesh, "Assam". Nepal. Burma. Vietnam. China.

*Galerucella placida* Baly, 1878

Nepal: Nepal, Ktm., Godavari, 5000', 16.8.1967, CNE (8 exx.); Nepal, nr. Simra, Adhabhar, 600 ft, 23.8.1967, CNE (3 exx.); *id.*, 26.8.1967 (5 exx.); *id.*, 27.8.1967 (3 exx.); Nepal, nr. Birganj, Lothar, 450 ft., 8.9.1967, CNE (1 ex.); Nepal, 27°58'N, 88°00'E, 11000 ft., 5.5.1967, CNE (1 ex.).

Previous records — Afghanistan. Pakistan: Punjab. India: Kashmir, Uttar Pradesh, Tamil Nadu, Bihar, W.Bengal. Nepal. Bangladesh. Burma. Thailand. Laos. Vietnam. Indonesia.

Kimoto (1989) synonymized this species with *G. grisescens* (Joann.). At least the European *G. grisescens* specimens differ from *G. placida* (cf. Silfverberg 1974). The East Asian *Galerucella distincta* (Baly) has been considered a subspecies or a synonym of *G. grisescens* (Gressitt & Kimoto 1963), but I have not seen any data from a comparison between it and the Indian species.

*Xanthogaleruca luteola* (Müller, 1766)

*Galerucella luteola* var. *bicarinata* Ogloblin, 1936:108. *Pyrrhalta luteola bicarinata*, Lopatin 1984:336.

India: Jammu, 1980, W.Wittmer, Sirshi – Hanzal, 1700–2100 m, 8.7. (1 ex.) (MB); Jammu, 1980, W.Wittmer, Yourdu, 16.7., 2150–2400 m (1 ex.) (MB).

Previous records — India: Kashmir. Europe. North Africa. Asia Minor. Iran. Afghanistan. Siberia. North America.

Only a few specimens have been reported from Kashmir, and the question whether they should be given status as a separate subspecies, *X. l. bicarinata*, must be deferred until more material has been studied.

*Pallasiola theoneiformis* Mandl, 1970

India: Kashmir, 1976, W.Wittmer, Gulmarg, 1–3.7., 2650–3000 m (25 exx.) (MB); Kashmir, 1976, W.Wittmer, Yusmarg, 5.7., 2300–2400 m (20 exx.) (MB); Jammu, 1980, W.Wittmer, Sarkandu – Inchan, 2350–2500 m (2 exx.) (MB); Indien, Kashmir, Aspöck, Rausch, 1980, Yourdu – Sarkandu, 17.7., 2350 m (1 ex.) (MB); Indien, Kashmir, Aspöck, Rausch, 1980, Inchan, 19.7., 2500–2800 m (1 ex.) (MB).

Only known from Kashmir.

*Pseudadimonia variolosa* (Hope, 1831)

Nepal: Nepal, Ktm., Godavari 5000', 12.8.1967, CNE (2 exx.); Nepal, Ktm., Balaju, 4500 ft., 10.6.1967, CNE (1 ex.).

Previous records — India: W.Bengal (Darjeeling Distr.), Sikkim, Meghalaya, Assam, Arunachal Pradesh, Nagaland, Manipur. Nepal. Bhutan. Bangladesh. Burma. Thailand. Laos. Vietnam. China.

## METACYCLINI

*Pseudoides flavovittis* (Motschulsky, 1858)

Nepal: Nepal, Lothar nr. Birganj, 450', 29.8.1967, CNE (8 exx.); *id.*, 31.8.1967 (13 exx.); *id.*, 1.9.1967 (19 exx.); *id.*, 10.9.1967 (2 exx.); *id.*, 14.9.1967 (1 ex.); *id.*, 17.9.1967 (12 exx.); *id.*, 19.9.1967 (1 ex.); *id.*, 29.8.–5.9.1967, Malaise Trap No 25 (1 ex.). — Bhutan: Bhutan, 1981, Bhakta B., Phuntsholing, 2/400 m, 3.IX. (56 exx.) (MB).

Previous records — Nepal. Bhutan. Burma. Thailand. Kampuchea. Laos. Vietnam.

## HYLASPINI (SERMYLINI)

*Dercetina histrio* (Baly, 1879)

India: India, Darjeeling D., Bhakta B., Khani Khola, 1.IV.83, 600 m (4 exx.) (MB).

Previous records — India: W.Bengal, "Assam". Bangladesh.

*Aplosonyx chalybeus* (Hope, 1831)

Nepal: Nepal, Ktm., Godavari, 6000', 6.7.1967, CNE (1 ex.); Danda Pokhar, 1600–2500 m, 1.6., Nepal, 1977, M.Brancucci (1 ex.) (MB); Nepal, 1978, Bhakta B.Ch., Manigow, 10.VI., 1200–1900 m (1 ex.) (MB); Nepal, Bhakta B., Junbesi, 2700 m, 25.5.79, Khumbu (1 ex.) (MB); Nepal, 1979, Bhakta B.Ch., Chandan Bari, 3350–4250 m, VI. (1 ex.) (MB); O.Nepal, 1980, W.Wittmer, Num Hedangna, 1500–750–1100 m, 26.5. (1 ex.) (MB);

O.Nepal, 1980, W.Wittmer, Hedangna – Shedawa, 5.6., 1000–800–1700 m (1 ex.) (MB); O.Nepal, 1980, W.Wittmer, Phulchoki, 23.6., 1500–1700 m (2 exx.) (MB); Nepal, Kathmandu V., M.Brancucci, Godavari 1500 m, 17.V.1983 (1 ex.) (MB); *id.*, 22–25.VI.1983 (2 exx.) (MB); E.Nepal, Thampur V., M.Brancucci, Dhankuta, 23.V.1983 (1 ex.) (MB); E.Nepal, Arun V., M.Brancucci, Mure, 2000 m, 2–8.VI.1983 (1 ex.) (MB); E.Nepal, Arun V., M.Brancucci, Num 1550 m, 5–6.VI.1983 (4 exx.) (MB); E.Nepal, Arun V., M.Brancucci, Lamobagar, 1400 m, 8.VI.1983 (3 exx.) (MB); E.Nepal, Arun V., M.Brancucci, Lamobagar – Gola, 1400 m, 8–14.VI.1983 (7 exx.) (MB); E.Nepal, Arun V., M.Brancucci, Lamobagar 1400 m – Hedangna (Arun), 15.VI.83, 1400–800 m (1 ex.) (MB). — India: Sikkim, Bhakta B., Sisne, S.Gangtok, 930 m, 14.4.1977 (1 ex.) (MB); Sikkim, 1977, Bhakta B., Rangeli River, 950 m, 17.4. (4 exx.) (MB); Sikkim, 77, Bhakta B., Sara Khola 870 m (Rangeli River), 18.4. (1 ex.) (MB); Sikkim, 77, Bhakta B., Rani Puli, 22.4., S.Gangtok (3 exx.) (MB); Sikkim, 77, Bhakta B., Chhuba Khola nr. Sintam, 25.4. (2 exx.) (MB); Sikkim, 77, Bhakta B., Rezi Bazar nr. Sintam, 26.4. (1 ex.) (MB); Sikkim, Bhakta B., Mangon, 2.9.1977 (2 exx.) (MB); Sikkim, Bhakta B., Tuing, 4.9.77 (2 exx.) (MB); Sikkim, Bhakta B., Fadung, 6.9.1977 (1 ex.) (MB); Fadung – Boxapull, Sikkim, 7.9.77, Bhakta B. (15 exx.) (MB); Sikkim, 77, Bhakta B., Diukchu, 10.9. (15 exx.) (MB); Sikkim, Bhakta B., Rangpo 680 m, 3.VIII.1981 (1 ex.) (MB). Kalimpong Umg., Bhakta Bahadur, 77, Khani Khola, 490 m, W.Kalimpong, 2.5. (1 ex.) (MB); Umg. Kalimpong, Darjeeling Distr., 10.5.77, 1530 m (1 ex.) (MB); Distr. Darjeeling, India, W.Wittmer, Singla 450 m, 19.IV.1978 (2 exx.) (MB); Darjeeling Distr., W.B., India, Pankha Sari, 1300 m, 8.VIII.78 (17 exx.) (MB); Darjeeling Distr., India, Bhakta B., Goroo Bethan, 840 m, 21.IV.1979 (1 ex.) (MB); Darjeeling Distr., India, Bhakta B., Bom Busty, 1050 m, 6.5.1981 (3 exx.) (MB); Kalimpong, Darjeeling Distr., India, 5.VII.1981, Bhakta Bahadur (2 exx.) (MB); Darjeeling Distr., India, Bhakta B., Tista 230 m, 16.7.1981 (6 exx.) (MB); Darjeeling Distr., India, Bhakta B., 81 (2 exx.) (MB); Darjeeling D., India, Bhakta B., Monsong, 1100–1300 m, 6–7.V.1983 (1 ex.) (MB); Darjeeling Distr., India, Bhakta B. (4 exx.) (MB). — Bhutan: Bhutan, Dorjee Khandu, Chasilakha, 6425', 1978 (3 exx.) (MB); Bhutan, Dorjee Khandu Dukpa, 1280 m, 7.IV.1979 (6 exx.) (MB).

Previous records — India: W.Bengal (Darjeeling Distr.), Sikkim, Meghalaya, "Assam". Nepal. Bhutan. Bangladesh. Burma. Vietnam. China (Tibet).

*Sphenoraia bicolor* (Hope, 1831)

Pakistan: Pakistan, 1977, Wittmer, Brancucci, Lake Saiful, 21.VI., Muluk, 3050 m (1 ex.) (MB). — India: India, U.P., 1981, M.Brancucci, Bhimtal, 20.V., 1300–1500 m (1 ex.) (MB); India, U.P., 1981, M.Brancucci, Chaubattia, 25.5., 1900–2100 m (1 ex.) (MB); India, U.P., M.Brancucci, Kempty, 1200 m, 3.6.1981 (1 ex.) (MB); India, U.P., 1981, M.Brancucci, Barkot, 5–12.6.,

1100–1200 m (2 exx.) (MB); India, U.P., M.Brancucci, Naugaon, 1100 m, 11.6.1981 (3 exx.) (MB); India, U.P., M.Brancucci, Gangani, 1250 m, 13–20.6.1981 (3 exx.) (MB). — Nepal: Nepal, Balaju nr. Ktmtd., 4500 ft., 26.4.1967, CNE (2 exx.); Nepal, Kathmandu, 2.5.1967, CNE (1 ex.); Nepal, Ktmtd., Patibhanjyang, 6–7500', Pastures, 12.6.1967, CNE (1 ex.); Nepal, Ktmtd., Godavari, 5000', 20.7.1967, CNE (1 ex.); *id.*, 29.7.1967 (4 exx.); *id.*, 4–7.8.1967 (4 exx.); *id.*, 6.8.1967 (1 ex.); *id.*, 12.8.1967 (1 ex.); *id.*, 16.8.1967 (1 ex.); Nepal, nr. Birganj, Lothar, 450 ft., 14.9.1967, CNE (1 ex.); Nepal, 1978, Bhakta B., Manigow, 10.VI., 1200–1900 m (1 ex.) (MB); Nepal, 1978, Bhakta B.Ch., Trisuli, 20.VI., 570–1200 m (1 ex.) (MB); Nepal, 1978, Bhakta B., Chadam Bari, 3350 m, 22.VI. (1 ex.) (MB); O.Nepal, 1979, Bhakta B., Sete, 28.V., 2350 m (1 ex.) (MB); O.Nepal, 1980, W.Wittmer, Lamobagar Gao, 1400 m, 28–31.5. (1 ex.) (MB); O.Nepal, 1980, W.Wittmer, Navagaon – Num, 1900–700–1500 m, 16.6. (1 ex.) (MB); Nepal (Prov. Bagmati), Barabhise, 1600 m, 1.5.1981, Löbl & Smetana (1 ex.) (Mus. Ottawa); Nepal, Kathmandu V., M.Brancucci, Balaju, 1400 m, 20.V.1983 (1 ex.) (MB). — India: Sikkim, Bhakta B., Rangeli River, 900 m, 15.4.1977 (2 exx.) (MB); *id.*, 19.4.1977 (3 exx.) (MB); Sikkim, Bhakta B., Reay Khola S.Gangtok, 21.4.1977 (1 ex.) (MB); Sikkim, Bhakta B., Chhuba Khola nr. Sintam, 25.4.1977, 670 m (4 exx.) (MB); Sikkim, 77, Bhakta B., Boxapull – Diukchu, 9.9. (1 ex.) (MB); Sikkim, 77, Bhakta B., Diukchu, 10.9. (6 exx.) (MB); Sikkim, Bhakta B., Choka – Yoksam, 2100 m, 6.IV.78 (1 ex.) (MB); Sikkim, Bhakta B., Gyalzing, 1600 m, 12.IV.78 (2 exx.) (MB); Sikkim, Bhakta B., Reshi, 400 m, 15.IV.1978 (1 ex.) (MB); Sikkim, Bhakta B., Reshi – Yortang, 400 m, 17.IV.1978 (2 exx.) (MB); Sikkim, 1981, Bhakta B., Malli, 460 m, 20.VII. (1 ex.) (MB). Darjeeling Distr., Umg. Kalimpong, Bhakta Bahadur, 3.IV.1977 (1 ex.) (MB); Sherpa Gau nr. Kalimpong, 1380 m, Bhakta Bahadur, 9.5.1977 (1 ex.) (MB); Darjeeling Distr., India, Bhakta B., Khani Khola, 490 m, W Kalimpong, 26.IV.79 (1 ex.) (MB); Darjeeling D., India, Bhakta B., Tashiding N Kalimpong, 1000 m, 27.V.1979 (2 exx.) (MB); Darjeeling D., India, Bhakta B., Shorang, 1300 m, 4.V.1979 (1 ex.) (MB).

Previous records — Pakistan. India: Himachal Pradesh, Uttar Pradesh, Maharashtra, Kerala, W.Bengal, Sikkim, Meghalaya. Nepal. Bangladesh. Burma.

### *Sphenoraia rutilans* (Hope, 1831)

India: India, U.P., 1978, W.Wittmer, Bhimtal, 1400 m, VI–VII (1 ex.) (MB); India, Himalaya, U.P., District Dehra Dun, 2000 m, Mussoorie, 1–4.6.1981, leg. C.Holzschuh (2 exx.) (MB); India, U.P., 1981, M.Brancucci, Barkot, 5–12.6., 1100–1800 m (14 exx.) (MB); India, U.P., M.Brancucci, Gangani, 1250 m, 13–20.6.81 (1 ex.) (MB); India, U.P., M.Brancucci, Kharidy, 1300 m, 17.6.1981 (1 ex.) (MB). — Nepal: Nepal, Kathmandu V., M.Brancucci, Balaju, 1400 m, 20.V.1983 (1 ex.) (MB); E.Nepal, Arun V., M.Brancucci, Phalicot, 13.VI.83, 550 m (1 ex.) (MB);

O.Nepal, 1980, W.Wittmer, Arunthan – Chichila, 1300–1950 m, 23.5. (1 ex.) (MB). — India: Sikkim, Bhakta B., Rangeli River, 900 m, 19.IV.77 (3 exx.) (MB); Sikkim, 77, Bhakta B., Anu Khola nr. Rani Pul, 23.4. (1 ex.) (MB); Sikkim, 1981, Bhakta B., Melli, 460 m, 20.VII. (1 ex.) (MB). Distr. Darjeeling, India, W.Wittmer, Lopchu, 9.5.1975 (3 exx.) (MB); Darjeeling Distr., W.B., India, 1976, Lopchu, 3.5.76 (3 exx.) (MB); Kalimpong Umg., Bhakta Bahadur, 6.4.77 (1 ex.) (MB); Darjeeling Distr., Bhakta B.Ch., Shorang, 1300 m, 26.VII.1978 (1 ex.) (MB); Darjeeling Distr., India, Bhakta B., Khani Khola, 490 m, W.Kalimpong, 26.IV.79 (1 ex.) (MB); Darjeeling Distr., India, Bhakta B., Balie, 780 m, 2.5.1981 (2 exx.) (MB); Darjeeling Distr., Kalimpong, 5.VII.81, Bhakta Bahadur (2 exx.) (MB); India, Bhakta Bahadur, Tar Khola nr. Maelli, 540 m, 4.5.77 (1 ex.) (MB).

Previous records — Pakistan. India: Kashmir, Himachal Pradesh, Uttar Pradesh, W.Bengal, Sikkim, Manipur, Meghalaya, Arunachal Pradesh. Nepal. Bhutan. Bangladesh. China.

### *Gallerucida indica* Harold, 1880

Nepal: Nepal, Ktmtd., Godavari, 6000', 2.8.1967, CNE (2 exx.).

Previous records — India: W.Bengal (Darjeeling Distr.). Nepal. Bangladesh.

### *Hylaspes dohrni* Duvivier, 1885

Nepal: O.Nepal, 1980, W.Wittmer, Num – Hedangna, 1500–750–1100 m, 26.5. (1 ex.) (MB); E.Nepal, Arun V., M.Brancucci, Arunthan 1300 m – Chichila 1950 m, 29.V.1983 (1 ex.) (MB).

Previously only recorded from Burma.

### *Hylaspes longicornis* Baly, 1865

Nepal: Nepal, Kathmandu V., M.Brancucci, Godawari, 1500 m, 17.V.1983 (2 exx.) (MB); *id.*, 22–25.VI.1983 (2 exx.) (MB); Nepal, Kathmandu V., M.Brancucci, Burhanilkant, 1440–750–1100 m, 16.VI.1983 (1 ex.) (MB); O.Nepal, Bhakta B., Jubing, 1300 m, 20.VI.1979 (2 exx.) (MB); O.Nepal, 1980, W.Wittmer, Chichila – Mure, 1900 m, 24.5. (1 ex.) (MB); O.Nepal, 1980, W.Wittmer, Mure – Num, 25.5., 1900–1500 m (1 ex.) (MB); O.Nepal, 1980, W.Wittmer, Num – Hedangna, 1500–750–1100 m, 26.5. (1 ex.) (MB); O.Nepal, 1980, W.Wittmer, Hatiya – Lamobagar Gao, 2.6., 1550–1000 m (1 ex.) (MB); O.Nepal, 1980, W.Wittmer, Navagaon – Num, 1900–700–1500 m, 16.6. (1 ex.) (MB); O.Nepal, 1980, W.Wittmer, Phulchoki, 25.6., 1500–1600 m (1 ex.) (MB); E.Nepal, Arun V., M.Brancucci, Chichila 1950 – Mure 2000 m, 1.VI.1983 (2 exx.) (MB); E.Nepal, Arun V., M.Brancucci, Num, 1550 m, 5–6.VI.1983 (2 exx.) (MB); E.Nepal, Arun V., M.Brancucci, Mure 2000 – Arunthan 1300 m, 9.VI.1983 (1 ex.) (MB); E.Nepal, Arun V.,

M.Brancucci, Lamobagar Gola, 1400 m, 14.VI.1983 (2 exx.) (MB). — India: Sikkim, Bhakta B., Rangeli River, 900 m, 15.4.77 (2 exx.) (MB). Darjeeling Distr., India, Bhakta B., Goroo Bathan, 840 m, 21.IV.1979 (1 ex.) (MB); Darjeeling Distr., India, Bhakta B., Tista, 230 m, 10.5.1981 (1 ex.) (MB).

Previous records — India: Sikkim, "Assam". Nepal. Bhutan. Bangladesh. Burma. Thailand. Laos.

### *Meristata dohrni* (Baly, 1861)

Nepal: Nepal, Ktmtd., Godavari, 6000', 12.7.1967, CNE (1 ex.); *id.*, 14.7.1967 (2 exx.); *id.*, 17.7.1967 (1 ex.); *id.*, 18.7.1967 (1 ex.); *id.*, 3.8.1967 (1 ex.); Nepal, Kathmandu V., M.Brancucci, Godavari, 1500 m, 17.V.1983 (10 exx.) (MB); Nepal, 1978, Bhakta B.Ch., Manigow, 10.VI., 1200–1900 m (3 exx.) (MB); O.Nepal, 1979, Bhakta B., 14.VI., 2900 m (2 exx.) (MB); O.Nepal, 1980, W.Wittmer, Chichila – Mure, 1900 m, 24.5. (1 ex.) (MB); O.Nepal, 1980, W.Wittmer, Hong Gaon – Kemathanka, 2900 m, 30.5. (1 ex.) (MB); O.Nepal, 1980, W.Wittmer, V., Arun V., 1/2000 m (1 ex.) (MB); E.Nepal, Arun V., M.Brancucci, Chichila 1950 – Mure 2000 m, 1.VI.1983 (1 ex.) (MB); E.Nepal, Arun V., M.Brancucci, Mure, 2000 m, 2–8.VI.1983 (2 exx.) (MB); E.Nepal, Arun V., M.Brancucci, Mure, 2000 m – Num, 1550 m, 4–7.VI.1983 (1 ex.) (MB). — India: Sikkim, Bhakta B., Rishi Khola, 700 m, 3.XII.81 (5 exx.) (MB). — Bhutan: Bhutan, Dorjee Khandu, Chasilakha, 6425', 1978 (2 exx.) (MB).

Previous records — India: W.Bengal (Darjeeling Distr.), Sikkim, Meghalaya, Manipur. Nepal. Bhutan. Burma. China (Tibet).

### *Meristata fallax* (Harold, 1880)

Nepal: E.Nepal, Arun V., M.Brancucci, Mure, 2000 m, 2–8.VI.1983 (2 exx.) (MB). — India: Sikkim, 1980, Bhakta B., Thenling – Yoksam, 1200–1700 m, 20.VIII. (1 ex.) (MB). Darjeeling D., Ch.J.Rai, Alghera, 2900 m, 25.IV.1982 (1 ex.) (MB). — Bhutan: Bhutan, Dorjee Khandu, Chasilakha, 6425', 1978 (3 exx.) (MB); Bhutan, Dorjee Khandu D., Chasilakha, VI.1979 (1 ex.) (MB).

Previous records — India: W.Bengal, Sikkim, Arunachal Pradesh. Nepal. Bhutan. Bangladesh.

### *Meristata pulunini* (Bryant, 1952)

Nepal: Nepal, Bhakta B.Ch., Langtang, 14.VI.79, 3350–3400 m (2 exx.) (MB); O.Nepal, 1980, W.Wittmer, V., Arun V., 1/2000 m (1 ex.) (MB).

Previous records — Nepal. China (Tibet).

### *Meristata quadrifasciata quadrifasciata* (Hope, 1831)

India: India, U.P., F.Smetacek, Bhimtal, 30.V.1981, 1400 m (1 ex.) (MB); India, U.P., M.Brancucci, Mus-

soorie, 2000 m, 30.5.–4.6.1981 (2 exx.) (MB); India, U.P., 1981, M.Brancucci, Barkot, 5–12.6.1981, 1100–1200 m (1 ex.) (MB); India, U.P., M.Brancucci, Gangani, 1250 m, 13–20.6.1981 (3 exx.) (MB); India, U.P., M.Brancucci, Kharidy, 1300 m, 17.6.1981 (1 ex.) (MB). — Nepal: Nepal, Balaju nr. Kathmandu, 4500', 26.4.1967, CNE (5 exx.); Nepal, 4400', Kathmandu, 28.4.1967, CNE (4 exx.); Nepal, Ktmtd, Sunderijal, 6–7500', Pastures, 8.5.1967, CNE (1 ex.); Nepal, nr. Ktmtd., Gulubhanjyang, 75–8500', Pastures, 9.5.1967, CNE (1 ex.); Nepal, Ktmtd., Patibhanjyang, 75–8500', Pastures, 12.6.1967, CNE (1 ex.); Nepal, Ktmtd., Godavari, 5000', 27.6.1967, CNE (1 ex.); *id.*, 6.8.1967 (3 exx.); *id.*, 16.8.1967 (1 ex.); Nepal (Prov. Bagmati), below Yardang Ridge NE Barabhise, 3150 m, 4.5.1981, Löbl & Smetana (2 exx.) (Mus. Ottawa); Nepal, Kathmandu V., M.Brancucci, Godawari, 1500 m, 17.V.1983 (6 exx.) (MB); Nepal, Bhakta B., Junbesi, 2700 m, 25.5.79, Khumbu (2 exx.) (MB); O.Nepal, Bhakta B., Magehan, 1700 m, 25.V.1979 (1 ex.) (MB); O.Nepal, W.Wittmer, Hedangna – Lamobagar Gao, 11/1200 m, 27.5.1980 (1 ex.) (MB); O.Nepal, 1980, W.Wittmer, Nagarkot, 26.6., 1800–2000 m (2 exx.) (MB); E.Nepal, Arun V., M.Brancucci, Hedangna 1100 m – Lamobagar 1400 m, 8.VI.1983 (1 ex.) (MB); E.Nepal, Arun V., M.Brancucci, Lamobagar – Gola, 1400 m, 8–14.VI.1983 (6 exx.) (MB); E.Nepal, Arun V. M.Brancucci, Lamobagar – Hedangna (Arun), 15.VI.83, 1400–800 m (1 ex.) (MB). — India: Sikkim, 77, Bhakta B., Sara Khola, 870 m (Rangeli River), 18.4. (1 ex.) (MB); Sikkim, 77, Bhakta B., Rani Puli S Gangtok, 22.4. (1 ex.) (MB).

Previous records — India: Uttar Pradesh, Sikkim. Nepal. Bhutan. Bangladesh. Whether the records from Himachal Pradesh and Punjab (India) belong to this or the following subspecies remains to be checked.

### *Meristata quadrifasciata interrupta* (Kollar & Redtenbacher, 1848)

*Galleruca interrupta* Kollar & Redtenbacher, 1848:553.

Pakistan: Pakistan, 1977, Wittmer, Brancucci, Murree, 2050 m, 12.6. (1 ex.) (MB); W.Wittmer, Murree, 18.VII., 2050 m (1 ex.) (MB); Swat, Pak., 1978, W.Wittmer, Miandam, 3.VI., 1800–2300 m (8 exx.) (MB).

Previous records — Pakistan: N.W.F.P., Punjab. India: Kashmir.

The western specimens of *M.quadrifasciata* differ clearly from the eastern ones in generally having the anterior transversal band on the elytra interrupted several times (in the eastern ones it is entire). It thus seems appropriate to recognize a western subspecies, for which Redtenbacher's name is available; it will be credited to Kollar & Redtenbacher because nowhere in the paper was it stated that Kollar described the Lepidoptera and Redtenbacher the Coleoptera.

*Meristata sexmaculata* (Kollar & Redtenbacher, 1848)

India: India, U.P., M.Brancucci, Mussoorie, 2000 m, 30.5.–4.6.1981 (4 exx.) (MB); India, Himalaya, U.P., District Dehra Dun, Mussoorie, 1–4.6.1981, leg. C.Holzschuh (3 exx.) (MB). — Nepal: Nepal, nr. Ktm., Gulubhanjyang, 75–8500', Pastures, 2.7.1967, CNE (1 ex.); Nepal, Ktm., Godavari, 5000', 28.7.1967, CNE (1 ex.); *id.*, 6.8.1967 (1 ex.); O.Nepal, Bhakta B., Ilam, 7.X.1978 (1 ex.) (MB); O.Nepal, 1979, Bhakta B., Lamjura, 26.VI., 3200 m, Khumbu (1 ex.) (MB); O.Nepal, 1980, W.Wittmer, Hong Gaon – Kemathanka, 2900 m, 30.5. (1 ex.) (MB); E.Nepal, Arun V., M.Brancucci, Mure, 2000 m, 2–8.VI.1983 (1 ex.) (MB). — India: Sikkim, 77, Bhakta B., Sara Khola, 870 m (Rangeli River), 18.4. (1 ex.) (MB); Sikkim, 77, Bhakta B., Diukchu, 10.9. (1 ex.) (MB); Sikkim, 1981, Bhakta B., Jortang, 410 m, 4.VIII. (1 ex.) (MB). Umg. Kalimpong, Darjeeling Distr., Pankha Banglo, 9.VIII.1978 (1 ex.) (MB). — Bhutan: Bhutan, Dorjee Khandu, Chasilakha, 6425', 1978 (1 ex.) (MB).

Previous records — Pakistan. India: Kashmir, Punjab, Uttar Pradesh, Orissa, W.Bengal, Sikkim. Nepal. Bhutan. Bangladesh. China (Tibet).

*Meristata spilota* (Hope)

*Galleruca spilota* Hope, 1831.

*Galleruca trifasciata* Hope, 1831. Preoccupied by *Galleruca trifasciata* Fabricius, 1801.

India: India, U.P., M.Brancucci, Mussoorie, 2000 m, 30.5.–4.6.1983 (3 exx.) (MB). — Nepal: Nepal, nr. Ktm., Gulubhanjyang, 75–8500', Pastures, 2.7.1967, CNE (1 ex.); Nepal, 6–8000', Sunderijal – Patibhanjyang, 3.7.1967, CNE (1 ex.); Nepal (Prov. Bagmati), Gul Bhanjyang, 2600 m, 6.4.1981, Löbl & Smetana (1 ex.) (Mus. Ottawa); Nepal, Khandbari Distr., above Sheduwa, 300 m, 3.3.–1.4.1982, A. & Z.Smetana (2 exx.) (Mus. Ottawa); Nepal, Khandbari Distr., above Tashigaon, 3100 m, 7–8.4.1982, A. & Z. Smetana (1 ex.) (Mus. Ottawa); Nepal, 1978, Bhakta B.Ch., Manigow, 10.VI., 1200–1900 m (7 exx.) (MB); O.Nepal, 1978, Bhakta B., Chitra, 19.IX, 1300–2300 m (1 ex.) (MB); O.Nepal, Bhakta B., Chauki, 22.IX.1978 (1 ex.) (MB); O.Nepal, Bhakta B., Mageham, 1700 m, 25.V.1979 (1 ex.) (MB); O.Nepal, 1979, Bhakta B.Ch., Lukla, 14.VI., 2900 m (1 ex.) (MB); O.Nepal, Bhakta B., Chandam Bari, 3350 m, 26.VI.1979 (1 ex.) (MB).

Previous records — Pakistan: N.W.F.P. India: Punjab, Uttar Pradesh, W.Bengal, Sikkim, Assam. Nepal. Bhutan. Bangladesh. China (Tibet).

*Leptarthra fasciata* Jacoby, 1894

Nepal: Nepal, Ktm., Godavari, 5000', 29.7.1967, CNE (14 exx.); *id.*, 6.8.1967 (6 exx.); *id.*, 12.8.1967 (3 exx.); *id.*, 16.8.1967 (4 exx.).

Previous records — India: Manipur. Nepal. Bangladesh.

*Nepalogaleruca elegans elegans* Kimoto, 1970

Nepal: Nepal, 8700', Bhurumche, 23.6.1967, CNE (2 exx.); Nepal (Prov. Bagmati), Pokhara NE Barabhise, 2800 m, 2.5.1981, Löbl & Smetana (4 exx.) (Mus. Ottawa); *id.*, 2700 m (1 ex.) (Mus. Ottawa); Nepal, Kathmandu Distr., Phulcoki, 2600 m, 20.4.1982, A. & Z.Smetana (4 exx.) (Mus. Ottawa); *id.*, 21.4.1982 (6 exx.); nr. Those, 9–11. IV.52, British Nepal Expedition 1952, T.D.Bourdillon, B.M. 1955–802 (1 ex.) (BMNH); O.Nepal, 1979, Bhakta B.Ch., Lukla, 14.VI., 2900 m (1 ex.) (MB); O.Nepal, 1979, Bhakta B.Ch., Lamjura, 3200 m, Khumbu, 28.VI. (1 ex.) (MB); Nepal, Bhakta B., Ramche, 1800–3350 m, 18.VI. (1 ex.) (MB).

*Nepalogaleruca elegans angustilineata* Kimoto & Takizawa, 1972

Nepal: Nepal (Prov. Bagmati), below Thare Pati, 3300 m, 12.4.1981, Löbl & Smetana (2 exx.) (Mus. Ottawa); Nepal (Prov. Bagmati), Yangri Ridge, Yangri, 4150 m, 24.4.1981, Löbl & Smetana (1 ex.) (Mus. Ottawa). — China: Tibet: Tropde, Rongshar Valley, 12000 ft., 21.VI.1924, Maj. R.W.G.Hingston, Everest Exp. Brit.Mus. 1924–386 (1 ex.) (BMNH); same data but 30.VI.1924 (1 ex.) (BMNH).

*Nepalogaleruca elegans* is known from Nepal, and from Tibet just across the border. It has mainly been found fairly high in the mountains, although Kimoto (1982) has reported one specimen from a maximum of 1200 m. The species was described from the Solukhumbu district, and apart from this the nominate subspecies has been recorded from the Ramecchap, Lalitpur, Kathmandu and Sindhupalchok districts (Kimoto 1970, Kimoto & Takizawa 1972, Kimoto & Takizawa 1981, Kimoto 1982, Kimoto & Takizawa 1983, Takizawa 1988a and Takizawa 1988b); now there is an additional single record from the Udaipur District. Chen & Jiang (1981), who reported this species from Zham (= Dram, = Zhangmu) in the Nyalam County of Tibet, also seem to have seen only the nominate subspecies.

The darker subspecies, *N. e. angustilineata*, was described from the Mustang and Parbat districts, and was later also reported from the Nuwakot and Sindhupalchok districts (Kimoto & Takizawa 1972, Kimoto & Takizawa 1983, Takizawa 1988b). In Mustang and Parbat the average elevation of the records was 2610 m, in Sindhupalchok it was 3410 m. The two Tibetan specimens in BMNH, which were collected just

across the border from Solokhumbu, were taken at approximately 3650 m. Again, for the nominate subspecies, the average elevation in Solukhumbu was 3210 m while in Sindhupalchok it was 2800 m. It therefore seems that when both subspecies are found in an area, they occur at different elevations.

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