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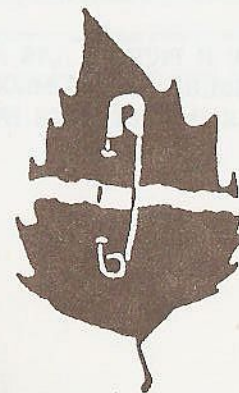
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Institute of Ecology
Lithuanian Entomological Society

**NEW AND RARE FOR LITHUANIA
INSECT SPECIES.
RECORDS AND DESCRIPTIONS OF 1994-1995**



The issue is dedicated to
The European Nature Conservation Year 1995

Vilnius 1995

Ekologijos institutas
Lietuvos entomologų draugija

NAUJOS IR RETOS LIETUVOS
VABZDŽIŲ RŪŠYS.
1994-1995 METŲ PRANEŠIMAI IR APRAŠYMAI

Vilnius 1995

Институт экологии
Литовское энтомологическое общество

НОВЫЕ И РЕДКИЕ ДЛЯ ЛИТВЫ
ВИДЫ НАСЕКОМЫХ.
СООБЩЕНИЯ И ОПИСАНИЯ 1994-1995 ГОДА

Вильнюс 1995

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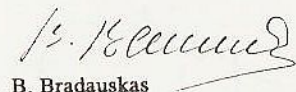
1992 m. gegužės mėn. 22 d. Nairobyje pasaulio tautos priėmė Biologinės įvairovės konvenciją, kurią 1992 m. birželio mėn. 5 d. Rio de Žaneire, Jungtinių tautų Aplinkos apsaugos ir vystymo konferencijoje pasirašė daugiau kaip 150 šalių atstovai. Po pusantrų metų, 1993 m. gruodžio mėn. 29 d. Konvencija įgavo juridinę galią.

Šis susitarimas yra esminis posūkis aplinkosaugos ir jos plėtros srityse. Pirmą kartą taip visapusiškai žiūrima į Žemės bioįvairovės apsaugą bei biologinių resursų pastovų naudojimą. Šiame susitarime pripažįstami pagrindiniai punktai, nurodyti Pasaulinėje apsaugos strategijoje (1980), Rūpinantis Žeme (1991), Globalinėje bioįvairovės strategijoje (1992) ir daugelyje kitų tarptautinių dokumentų, kurie numato bioįvairovės ir biologinių resursų išsaugojimą etiniams, ekonominiams, o svarbiausia - žmogaus išgyvenimo tikslams. Labiausiai atėities kartos gali gailėtis bioįvairovės praradimo, nes dalis jos, pavyzdžiui, išnykstant rūšims, gali būti prarasta negrįžtamai.

Lietuva Biologinės įvairovės konvenciją taip pat pasirašė, toliau lieka ją įgyvendinti. Esamos padėties įvertinimui reikia paruošti šalies biologinės įvairovės tyrimų strategiją ir programą. Nacionalinę bioįvairovės strategiją ir jos programas lemia šalies augalijos ir gyvūnijos išteklių. Šiandien Lietuvoje biologinių resursų tyrimai atliekami daug kur, labiau kryptingai - Ekologijos institute ir Aplinkos apsaugos ministerijoje.

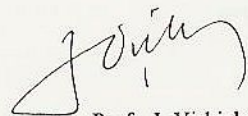
Specialus leidinys (11 tomas) Acta ornithologica Lituanica buvo pirmas bandymas užpildyti esamą spragą. Šis leidinys yra skirtas kitai gyvūnų grupei - laukinių bičių faunai Lietuvoje, jos ištekliams, gyvenimo būdai ir paplitimui, visos radimvietės yra kartografuotos.

Aplinkos apsaugos
ministras



B. Bradauskas

Ekologijos instituto
direktorius



Prof. J. Virbickas

On May 22 in Nairobi (Kenya) the nations of the world adopted a global Convention on Biological Diversity. On 5 June 1992 at the UN Conference on Environment and Development in Rio de Janeiro it was signed by more than 150 states. About 18 months later, on 29 December, the Convention entered into force.

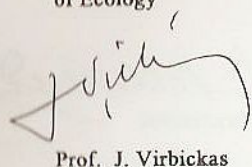
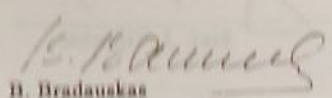
The above mentioned treaty is viewed as marking a high point in the environment and development area, as it accepts for the first time a comprehensive approach to conservation of the Earth's biodiversity and sustainable use of biological resources. The World Conservation Strategy (1980), Caring for the Earth (1991), the Global Biodiversity Strategy (1992) and many other international documents point to the fact that both biodiversity and biological resources ought to be conserved for ethical, economical and, what is still more important, human survival purposes. The environmental impact which future generations may regret is the loss of biodiversity, partly as most of it, for example loss of species, can be unreversed.

As Lithuania has also signed this Convention it is now necessary to execute it. To get a real picture of the present situation it is indispensable to prepare country studies on biological diversity. A country resources of plants and animals determine an elaboration of national biodiversity strategy, as well as projects and programmes developed from it.

Research of biological resources of animals in Lithuania at present is carried out in many institutions, more purposefully in Institute of Ecology and Ministry of Environmental Protection. Special issue (volume 11) of Acta ornithologica Lituanica was the first attempt to fill the gap in the recent research activities. This edition mainly is devoted to other group of animals: to the fauna of wild bees, its resources, short life history and distribution, all localities from which material has come for the present study are mapped.

Minister of Environmental
Protection

Director of Institute
of Ecology



B. Bradauskas

Prof. J. Virbickas

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ABBREVIATIONS USED IN THIS PUBLICATION

c.	- city	Nat.R.	- Nature Reserve
D.	- district	pr.	- preserve
descr.	- described	r.	- river
det.	- determined	sett.	- settlement
env.	- environs	sp.	- species
f.	- forest	spec.	- specimen
fig.	- figure	spp.	- species (plural)
fl.	- flower	sub.	- suburb
fms.	- farmstead	t.	- town
for.	- forestry	tsh.	- township
L.	- lake	t.t.s.	- town-type settlement
leg.	- collected	v.	- village
m/.D.	- micro-district		

Administrative districts of Lithuania

Akm	- Akmenė	Pri	- Prienai
Al	- Alytus	Ps	- Pasvalys
An	- Anykščiai	Rd	- Radviliškis
Brž	- Biržai	Rk	- Rokiškis
Ign	- Ignalina	Rs	- Raseiniai
Jnš	- Joniškis	Skd	- Skuodas
Jon	- Jonava	Šk	- Šakiai
Jrb	- Jurbarkas	Šl	- Šiauliai
Kdn	- Kėdainiai	Šlčn	- Šalčininkai
Klm	- Kelmė	Šll	- Šilalė
Klp	- Klaipėda	Šlu	- Šilutė
Kn	- Kaunas	Šr	- Širvintos
Kp	- Kupiškis	Švnč	- Švenčionys
Krtm	- Kretinga	Tl	- Telšiai
Kš	- Kaišiadorys	Trak	- Trakai
Lzd	- Lazdijai	Trg	- Tauragė
Mlt	- Molėtai	Ukm	- Ukmergė
Mrj	- Marijampolė	Ut	- Utena
Mžk	- Mažeikiai	V	- Vilnius
Plk	- Pakruojis	Vlkv	- Vilkaviškis
Pln	- Plungė	Vrn	- Varėna
Pn	- Panevėžys	Zr	- Zarasai

New and rare for Lithuania insect species. Records and descriptions of 1994-1995

A CHECK-LIST OF WILD BEE SPECIES (HYMENOPTERA, APOIDEA) OF LITHUANIA WITH DATA TO THEIR DISTRIBUTION AND BIONOMICS

Monsevičius Virg.

The check-list is based on the publications (Adolph 1934, 1937; Alfken 1912a; Bischoff 1925; Gorski 1852; Moeschler 1938; Monsevičius 1984, 1988, 1988a, 1988b, 1988c, 1990, 1992, 1992a, 1993; Strand 1918) and on the collections material of the author as well as the data of the colleagues (author examined the main part of all in Lithuania collected wild bees). All collection material include over 23 thousand specimens, gathered in 1966-1994. The majority of them made author's own collection of about 205 thousand specimens, gathered mostly in South Lithuania (in the list without any marks). All authors collection material is gathered with keeping to rule: all notice wild bees where captured. So number* of collected specimens more or less conform density of species.

The material of another collectors is the following: E. Budrys (Bud) 856 spec, 132 sp; A. Jakimavičius (Jak.) 740 spec, 136 sp; students of Vilnius University (VUK) 439 spec, 83 sp; A. Stanionytė (Stan) 178 spec, 65 sp; V. Pacevičius (Pac) 63 spec, 44 sp; V. Jonaitis (Jon) 59 spec, 30 sp; R. Juškaitis (Jušk) 39 spec, 8 sp; P. Ivinskis (Iv) 14 spec, 9 sp; Kaminskas (Kam) 11 spec, 10 sp; Manikas (Man) 11 spec, 10 sp; S. Pakalniškis (Pak) 10 spec, 6 sp; Vidm. Monsevičius (Vid) 7 spec, 4 sp; A. Gudjonytė (Gud) 7 spec, 2 sp; B. Šablevičius (Šab) 6 spec, 4 sp; V. Ūselis (Ūs) 5 spec, 5 sp; B. Houwalt (Houw) 4 spec, 3 sp; J. Augustauskas (Aug) 4 spec, 2 sp; Grigucevičius (Grig) 2 spec, 1 sp; Lossowska (Los) 1 spec, 1 sp.

In this list the species found in South Latvia, West Byelorussia, Kaliningrad obl. (Russia) and North Poland as potential new species for the Lithuanian fauna are given too.

The classification and nomenclature used in this list is a synthesis of Brooks 1988, Dathe 1980, Dylewska, 1987, Ebmer 1984, 1987, 1988, 1988a, Erlandsson 1955, 1987, Lieftinck 1980, Loken, 1973, 1984, Marikovskaja 1980, Pesenko 1985, 1986, Peters 1978, Rasmont, 1984, Reinig 1981, Schwarz 1967, 1974, 1986, 1986a, 1986b, 1987, Tkalcu, 1967, 1975, 1977, Warncke 1968, 1972, 1973, 1978, 1992, Zanden, 1988, 1988a. Many other works also have been consulted (see reference list).

Only the synonyms found in the Lithuanian or foreign literature concerning Lithuanian bee species are given. The present paper gives species in genera in alphabetical order, covers their locality by administrative districts of Lithuania and exact locality by finding square*

* records are given in 10x10 km squares. The squares are based on the UTM (Universale Transverse Mercator-Projection) grid system.

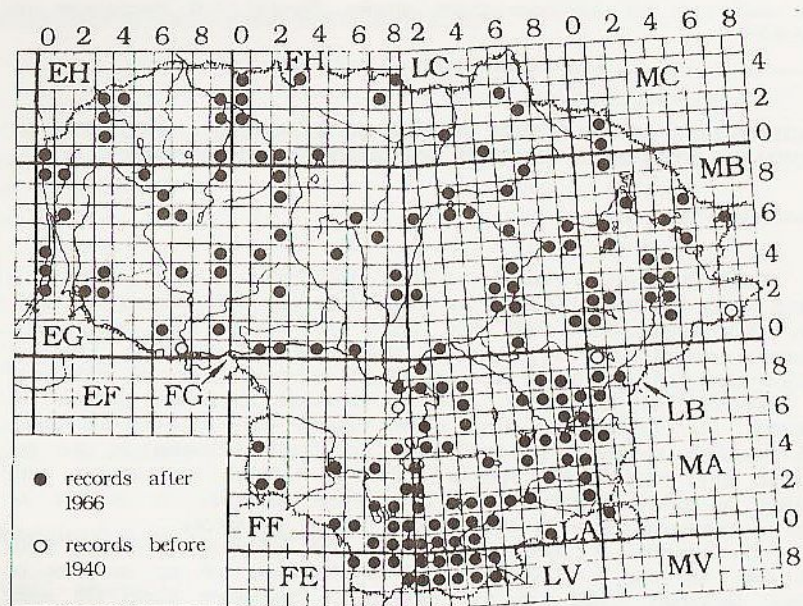


Fig. 1. Review of the investigations intensity in Lithuania (● UTM square, in which the occurrence of species are argument by collection specimen or by literary data.

(for rare species also by name of locality), extreme finding periods and number of collected specimens (separate according to the sex), literature sources, flower preference, ecological notes and world distribution.

The data of world distribution is based on the publications of Dathe 1930, Dylewska 1987, Ebmer 1988a, Loken 1973, Osytschnjuk 1970, 1977, Popov 1967, Stoeckert 1932, Warncke 1973, 1978, 1981, 1992, Zanden 1988a and many other works, concerning little genera. Distribution of range border species in neighbouring to Lithuania geographical region is defined more exactly by the studies of main faunistic papers of Latvia, Finland, Sweden, Denmark, Belgium, Germany, Poland, Byelorussia, Ukraine, European Russia (in reference list only the most important of them).

The material was collected in 179 UTM squares (Fig. 1):

EH: 00 t. Palanga (sub. Šventoji), 31 v. Erlėnai (Krtm), 32 tsc. Mosėdis (Skd), 33 t. Skuodas, 43 v. Gesalai (Skd), 90 v. Ūbiškė (Tl), 92 v. Gudai (Akm), 93 tts. Vieksniai, v. Uogiškiai (Akm).

EG: 03 t. Neringa (sub. Nida), 04 t. Neringa (sub. Pervalka, Preila), 05 t. Neringa (sub. Juodkrantė), 09 t. Palanga, 17 t. Klaipėda, 19 t. Kretinga, 23 v. Traksėdžiai (Šlu), 33 t. Šilutė, 34 v. Stankaičiai (Šlu), 59 t. Plungė, 61 v. Piktupėnai (Šlu), 67 v. Alkas (Pln), 68 v. Medingėnai (Pln), 70 v. Šereitlaukis (Šlu), 74 t. Šilalė, 77 tsh. Tverai (Pln), 91 Nat.R. Viešvilė (Trg), 94 v. Paežeris (Šil), 95 tsh. Kaltinėnai (Šil), 99 tsh. Luokė (Tl).

FH: 02 v. Purviai (Akm), 03 t. Almenė, Nat.R. Kamanos, v. Meižiai (Akm), 04 v. Kivyčiai (Akm), 10 v. Dirvonėnai, v. Juozapava (Šl), 20 t. Kuršėnai, v. Micaičiai (Šl), 34 t. Žagarė, 40 t. Šiauliai, 73 v. Laumekiai (Pkr), 84 v. Blauzdžiūnai (Jnš).

FG: 10 t. Jurbarkas, 15 v. Pakražantis (Klm), 20 v. Skirsnemunė (Jrb), tsh. Gelgaudiškis (Šk), 23 tsh. Viduklė (Rs), 26 t. Kelmė, 28 tsh. Kurtuvėnai (Šl), 29 v. Bacaičiai (Šl), 40 tsh. Veliuona (Jrb), 55 v. Bargaliai, pr. Praviršulis (Rd), 60 tsh. Vilkija (Kn), 67 v. Gimbogala (Rd), 76 v. Vakarai (Rd), 83 t. Kėdainiai, 84 t. Dotnuva.

FF: 13 tsh. Vištytis (Vlkv), 15 t. Kybartai, t. Virbalis, 23 tsh. Gražiškiai (Vlkv), 51 v. Aštrioji Kirsna (Lzd), 54 t. Marijampolė, v. Trakiškiai (Mrj), 61 v. Giraitė (Lzd), t. Lazdijai, 70 v. Avižonys, v. Babrai, v. Gegutė, v. Radvilonys, v. Smarliūnai, v. Šlavantai (Lzd), 72 v. Meteliai, v. Padusys (Lzd), 74 v. Gūdeliai (Mrj), Nat.R. Žuvintas (Al), 80 v. Cijūniškė (Lzd), 81 v. Gervėnai, v. Kučiūliškė, v. Mankūnėliai, tsh. Seirijai (Lzd), 82 v. Obelija, v. Seimeniškiai (Al), 85 t. Prienai, 87 v. Pajiesys (Kn), 88 t. Kaunas, v. Norcikiškės (Kn), 90 v. Barzdžiūnai (Lzd), 91 v. Krikštonys, v. Mangarotas (Lzd), 93 v. Luksnėnai (Al).

FE: 69 v. Ringeliškė (Lzd), 79 v. Barčiai, v. Dainaviškiai, v. Ilgininkai (Lzd), t. Veisiejai, 89 v. Bertašiūnai, tsh. Leipalingis (Lzd), 98 t. Druskininkai, v. Gerdašiai (Lzd).

LC: 31 t. Pasvalys, 50 t. Vabalninkas, 63 t. Biržai, 72 tsh. Papilys (Brž).

LB: 13 t. Kėdainiai, 20 v. Gaižiūnai (Jon), t. Jonava, 37 t. Panevėžys, 38 v. Pajstrys (Pn), 47 tsh. Miežiškiai (Pn), 52 t. Utkmergė, 53 v. Rečionys (Ukm), 60 t. Širvintos, 62 t. Utkmergė (sub. Pivonija), 63 v. Radiškis, tsh. Vidiškiai (Ukm), v. Riklikai, v. Žemieji Svirnai (An), 64 t. Kavarskas, 66 tsh. Troškūnai (An), 68 v. Aukštaičiai (Kp), 79 t. Kupiškis, 85 v. Elmininkai (An), 95 v. Rubikiai (An), 96 v. Mičionys (An).

LA: 00 v. Kibyšiai (Vrn), 02 tsh. Nemunaitis (Al), 03 t. Alytus, 04 v. Pania (Al), 10 tsh. Merkinė, v. Roduka (Vrn), 11 v. Ilgininkai, v. Masališkės (Vrn), 15 t. Birštonas, t. Jieznas, v. Kašonys, v. Liciškėnai, v. Vėžionys, v. Vilūnėliai (Prn), 16 v. Daukšagirė (Prn), v. Darsūniškis (Kš), 18 v. Grabučiškės (Kš), 19 t. Kaunas (sub. Palemonas), tsh. Lapės (Kn), 20 v. Mardasavas, v. Trakiškiai (Vrn), 21 v. Gudakiemis, v. Nedzingė (Vrn), 22 t. Daugai, v. Rimėnai (Al), 25 v. Anglininkai, v. Bagdoniškės, v. Tročionys (Prn), 28 v. Būda (Kš), 30 v. Lavysas, v. Mančiagirė, v. Perloja (Vrn), 31 v. Tolkūnai (Vrn), 32 v. Babriškės, v. Druckūnai (Vrn), 36 v. Kaukinė (Kš), 37 tsh. Žiezmariai (Kš), 38 v. Girelė (Kš), t. Kaišiadorys, 41 t. Varėna, 42 v. Karpiskės (Vrn), 44 v. Tolkiskės (Trak), 52 v. Pamerkiai, tsh. Valkininkai (Vrn), 62 v. Dargužiai (Vrn), 64 v. Olona, v. Paluknys (Trak), 65 t. Trakai, 67 v. Dūkštos (V), t. Vievis, 73 v. Rūdninkai, v. Senieji Maceliai, v. Žagarinė (Šlėn), 75 tsh. Lentvaris (Trak), 77 v. Suderve (V), 78 v. Medžiukai (Šr), 84 v. Parudaminys (V), 85 t. Vilnius (sub. Paneriai), 86 v. Salotė (V), t. Vilnius (sub. Jaruzalė, Karoliniškės, Lazdynai, Šeškinė, Žvėrynas), 87 v. Avižieniai, v. Vanaginė (V), 88 v. Pikeliškės (V), 93 tsh. Jašiūnai (Šlėn), 94 v. Korystė (Korzysc), v. Rudamina (V), 95 v. Nemežis (V), t.

Vilnius, 96 t. Vilnius (sub. Antakalnis, Dvarčionys, Sapieginė, Verkiai), 97 t. Vilnius (sub. Antavilčiai, Žalieji Ežerai).

LV: 08 v. Latežeris (Vrn), 09 v. Liškiava, v. Vilkiatūnis, v. Žiogeliai (Vrn), 18 v. Šklėriai (Vrn), 19 v. Maksimai, v. Randamonys, v. Utička (Vrn), 28 v. Darželiai, v. Kabeliai, v. Musteika (Vrn), 29 v. Kapiniškiai, v. Kašėtos, v. Marcinkonys, v. Margionys, v. Puvočiai, v. Rūdnia (Vrn), 38 NatR. Čepkeliai, v. Pogarenda (Vrn), 39 v. Kašėtos, v. Lynėzeris, v. Zervynos (Vrn), 48 v. Paramėlis (Vrn), 49 v. Kriokšlys, v. Rūdnia.

MC: 10 t. Rokiškis, 11 v. Apūniškis (Rk).

MB: 01 v. Bebrūsai (Mlt), 02 v. Luokesa (Mlt), t. Molėtai, 03 v. Padvarniai, v. Suginčiai (Mlt), 12 v. Mindūnai (Mlt), 15 tsh. Sudeikiai (Ut), 16 tsh. Užpaliai (Ut), 19 v. Bagdoniškis (Rk), 27 t. Dusetos (Zr), 32 tsh. Kaltanėnai, v. Obelų Ragas (Švnč), 33 v. Ginučiai (Ign), 34 v. Minčia (Ut), 41 t. Švenčionys, 42 v. Kretuonys (Švnč), 43 t. Ignalina, v. Meironys (Ign), 44 v. Akriemiai, v. Kazitiškis, v. Pašvoginė (Ign), 46 v. Degučiai (Zr), 55 t. Dūkštas, v. Rojus (Ign), 57 v. Vyšniava (Zr), t. Zarasai, 71 v. Medinos (Švnč), 76 v. Tilžė (Zr), t. Visaginas.

MA: 01 v. Stakai (Šlčn), 05 v. Vėliučionys (V), 07 tsh. Nemenčinė, v. Tuščiuliai (V), 08 v. Raudondvaris, v. Rūžiskės (V), 09 v. Bališkės (V), 18 v. Pailgė (V).

At present in Lithuania 322 species and subspecies from 39 genera are recorded. 29 species are listed as potential new species for the Lithuanian fauna.

Check-list of species and its distribution in Lithuania

Family COLLETIDAE

Genus *Colletes* Latreille, 1802

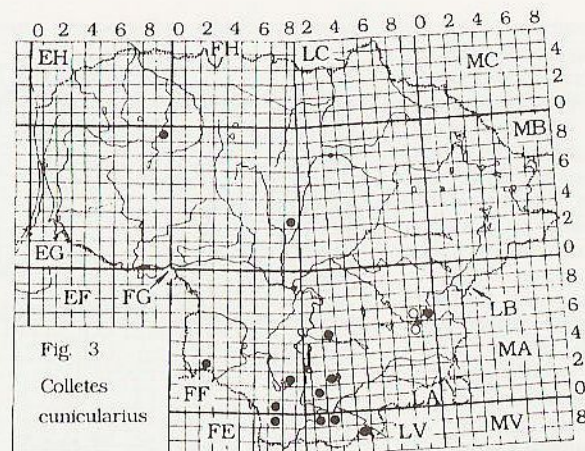
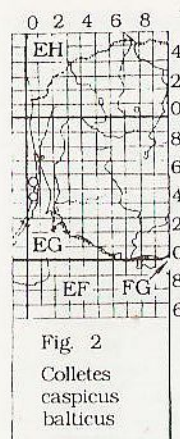
Colletes (Elecolletes) caspicus balticus Alfken, 1912 (= *balticus* Alfken)

Neringa, EG04, Pervalka, 3.VII-3.VIII.1912, ♀♀, 23.VI-3.VIII, ♂♂, EG05, Juodkrantė, 19.VIII.1906, 1♂ (Fig. 2) /68/, on *Trifolium repens*.
Distribution: only few localities in North Germany, Poland, Kaliningrad obl, Lithuania.

C. (Pachycolletes) cunicularius cunicularius (Linnaeus, 1761)

Al, Lzd, Prn, Tl, Vlkv, Vrn, Kedainiai, Vilnius, 15(13) squar. (Fig. 3), 25.IV-26.V, 29♀, 12.IV-10.V, 27♂ /1, 2, 70/, on *Salix* sp. sp., widely distributed, but is not abundant.

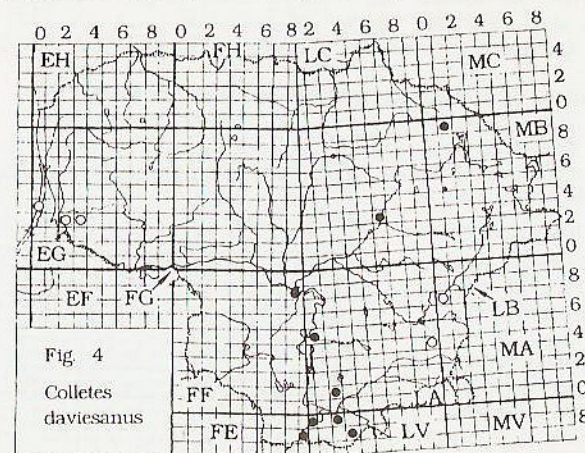
Distribution: Europe (up to 63° N), Caucasus, Turkey, West Siberia, Altai.



Colletes (Simcolletes) daviesanus daviesanus Smith, 1846

An, Lzd, Prn, Rk, Šln, V, Vrn, Kaunas, Neringa, 14(9) squar. (Fig. 4), 24.VI-8.VIII, 54♀, 24.VI-13.VIII, 53♂ /1, 68, 5, 70, 75/, usually on *Tanacetum vulgare*, *Achillea mille folium*, *Matricaria inodora*, *Anthemis tinctoria*, *Helichrysum arenarium*, *Senecio* sp., sometimes on *Medicago lupulina*, *Peucedanum oreoselinum*, more abundant in the regions where light soils prevail, in the loam soils - on the steep slopes of rivers valleys.

Distribution: temperate and North Europe (up to 66° N), West and Central Siberia, Mongolia.

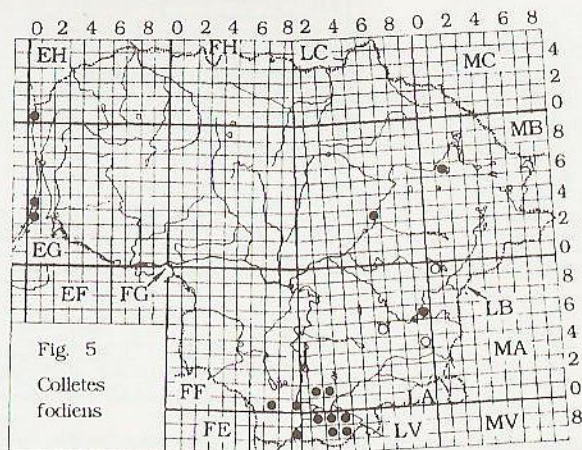


Colletes (Simcolletes) fodiens fodiens (Fourcroy, 1785)

An, Lzd, Trak, Ut, V, Vrn, Neringa, Palanga, Vilnius, 19(16) squar. (Fig. 5), 5.VII-11.IX, 141♀, 25.VI-21.VIII, 69♂ /68, 1, 70, 75/, usually on *Helichrysum*

arenarium, *Tanacetum vulgare*, *Achillea millefolium*, *Senecio* sp., *Solidago v-aurea*, *Anthemis tinctoria*, *Matricaria inodora*, sometimes on *Medicago* sp., *Trifolium* sp. in the Dainava Sandy Plain and near the seaside is rather abundant, elsewhere is rather rare discovered in the regions where light soils prevail.

Distribution: temperate Europe (up to 58° N), Caucasus, West Siberia



***Colletes (Albocolletes) impunctatus* Nylander, 1852**

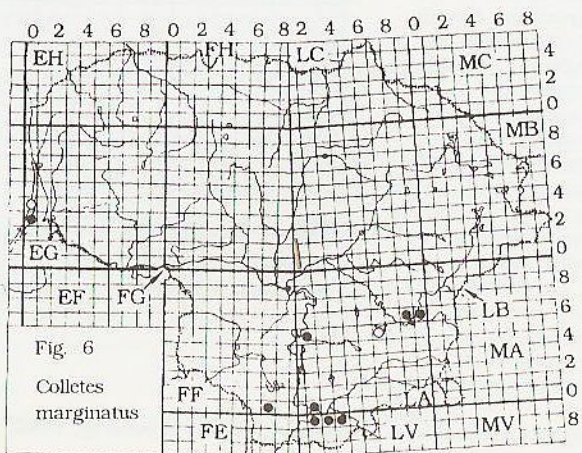
Not yet known, but reported from Rossitten (Rybatschi) in Kaliningrad obl. /68/ near the frontier of Lithuania.

Distribution: temperate and North Europe, East Siberia, Mongolia.

***Colletes (Colletes) marginatus marginatus* Smith, 1846**

Lzd. Prn. Trak, Vrn. Neringa, Vilnius, 11(9) squar. Fig. 6), 3.VII-21.VIII, 41♀, 15.VI-8.VIII, 24♂ /68, 1, 70, 75/, usually on *Trifolium arvense*, *T. repens*, *Melilotus albus*, rather rare in the South Lithuania and in the Curonian Isthmus.

Distribution: temperate and North Europe (up to 61° N), Caucasus, Turkey, West Siberia, Altai.

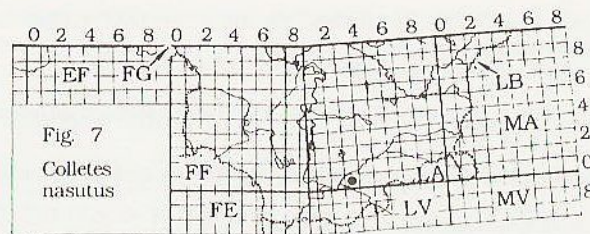


***Colletes (Rhincocolletes) nasutus* Smith, 1853**

Vrn. LA30, Perloja, 22.VIII.1981, 1♂ (Fig. 7)/74, 76/, a northern border of the range passes through South Lithuania. Inserted in the Red Data Book of

Lithuanian fauna.

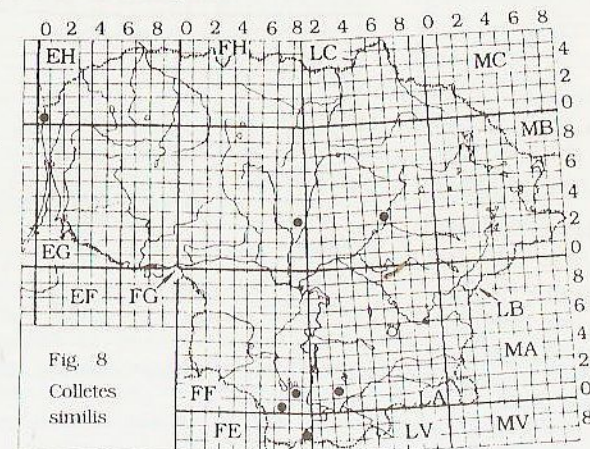
Distribution: Europe (between Nurnberg-Brandenburg-Poland-South Lithuania and North Greece-Bulgaria), Turkey, Caucasus, North Iran.



***Colletes (Simcolletes) similis* Schenck, 1853**

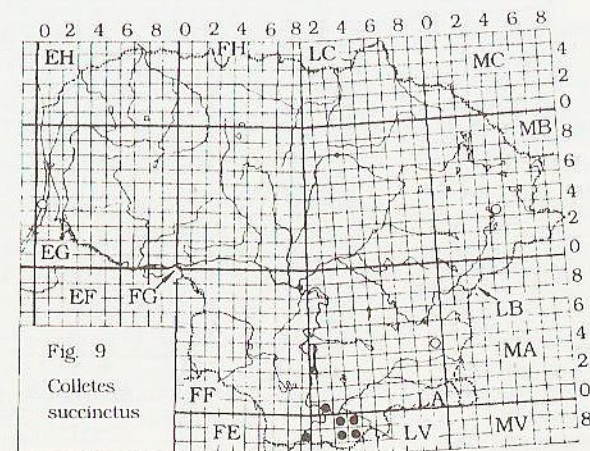
An. Lzd. Trak, Vrn. Kėdainiai, Palanga, 8(7) squar. (Fig. 8), 25.VI-13.VIII, 34♀, 24.VI-3.VIII, 10♂ /1/, on *Tanacetum vulgare*, *Anthemis tinctoria*, *Helichrysum arenarium*, locally rather abundant.

Distribution: Europe (up to 62° N), Marocco, Algeria, Caucasus, Turkey, Israel, Syria, West Siberia.



***Colletes (Colletes) succinctus succinctus* (Linnaeus, 1758)**

Lzd. V. Vrn. Ignalina, Neringa, 9(6) squar (Fig. 9), 19.VIII-23.IX, 34♀, 11.VII-16.IX, 40♂ /68, 1, 125, 70, 75/, usually on *Calluna vulgaris*, sometimes on *Melilotus albus*, *Solidago v-aurea*, *Fagopyrum sagittatum*, *Tanacetum vulgare*, *Medicago falcata*, *Anethum graveolens*, *Inula salicina*, rather abundant in the



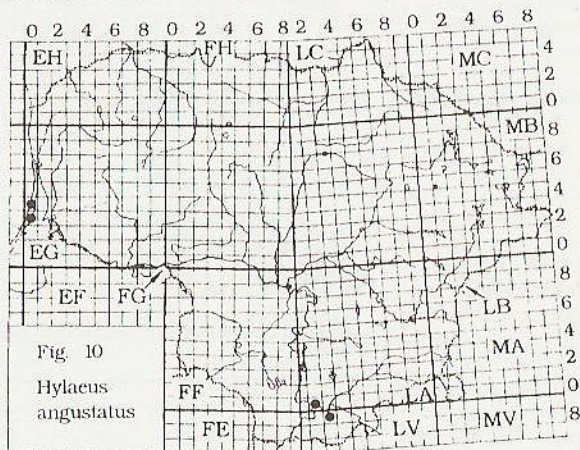
Dainava Sandy Plain's forests, elsewhere in pine forests rare.

Distribution: Europe (up to 62° N), North Algeria, North Tunisia, West and East Siberia, Mongolia.

Genus *Hylaeus* Fabricius, 1793 (= *Prosopis* Fabricius)

***Hylaeus (Hylaeus) angustatus angustatus* (Schenck, 1859)**

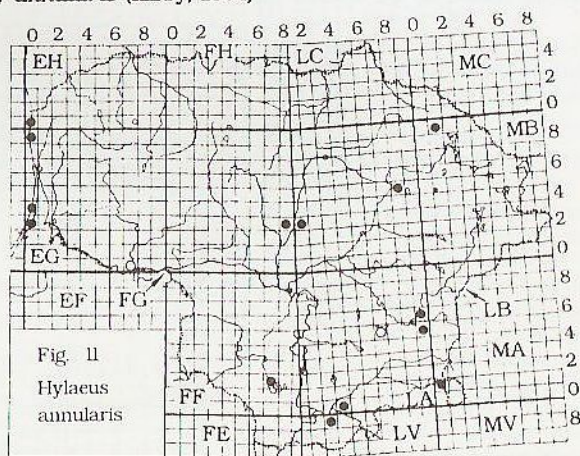
Vrn, LA10, Merkinė,
21.VIII.1974. 1♀ (Jak.)
LV29, Kapiniškės,
24.VII.1986. 1♀;
Neringa, EG03, Nida,
26-27.VI.1971. 3♀ 9♂
(Jak., Jon.), 20.VI.1973.
1♂ (Jak.), 16.VIII.1976.
1♀ (Jak.), 30.VIII.1987,
6♀ 1♂, EG04, Preila,
26.VI.1971. 1♂ (Jon.),
12.VIII.1971. 1♀ (Jon.)
(Fig. 10) /74/, on
Jasione montana,
Linaria vulgaris, in Curonian Isthmus rather abundant, in the Dainava
Sandy Plain - rare.



Distribution: Europe (up to 64° N) without western part, Caucasus, Turkey, Iran.

***Hylaeus (Lambdopsis) annularis* (Kirby, 1802)**

An, Lzd, Rk, Ščn.
Šlu, Trak, Vrn,
Kedainiai, Neringa,
Palanga, Vilnius,
16(14) squar. (Fig. 11),
23.VI-LIX. 20♀, 3.VI-
30.VII. 10♂ /68, 1,
70/, on *Jasione montana*, *Erodium cicutarium*, *Potentilla argentea*, *Pimpinella sp.*, *Achillea mille folium*, *Leucanthemum vulgare*, *Hieracium umbellatum*, *Tanacetum vulgare*.



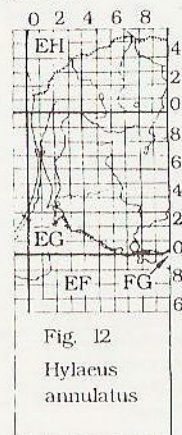
widely distributed, but almost everywhere rare, only near the seaside more abundant.

Distribution: Europe (up to 62° N), North Africa, Caucasus, Turkey, Iran.

***Hylaeus (Hylaeus) annulatus* (Linnaeus, 1758) (= *borealis* Nylander)**

Šlu, EG70, Šercitlaukis, 6.VII.1933, 1♂ (Fig. 12) /68/, on *Jasione montana*. The occurrence of this species in Lithuania requires confirmation - here could be misidentification.

Distribution: North Europe, mountains of Central Europe.

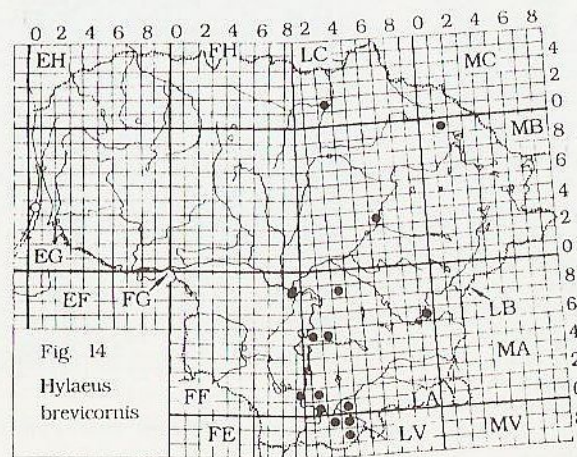
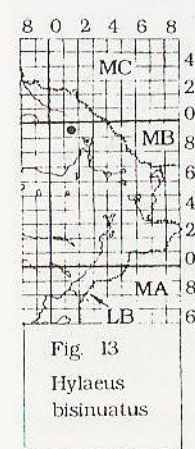


***Hylaeus (Hylaeus) bisinuatus* Foerster, 1871**

Rk, MB19, Bagdoniškis, 11.VII.1971. 1♀ (Jak.) (Fig. 13) /74/.
Distribution: Europe (up to 57° N and 56° E), Caucasus, Turkey, Iran.

***Hylaeus (Dentigera) brevicornis* Nylander, 1852**

An, Kš, Lzd, Prn, Rk, Vrn, Kaunas, Neringa, Pasvalys, Vilnius, 17(16) squar., 12.VI-20.VIII. 49♀, 2.VI-23.VIII. 12♂ (Fig. 14) /68, 70, 75/, polylectic, usually on various species of *Umbelliferae*, *Rosaceae*, seldom on species of another families, rather widely distributed, but more abundant only in the regions, where light soils prevail, especially near the forests and in the urban landscape.

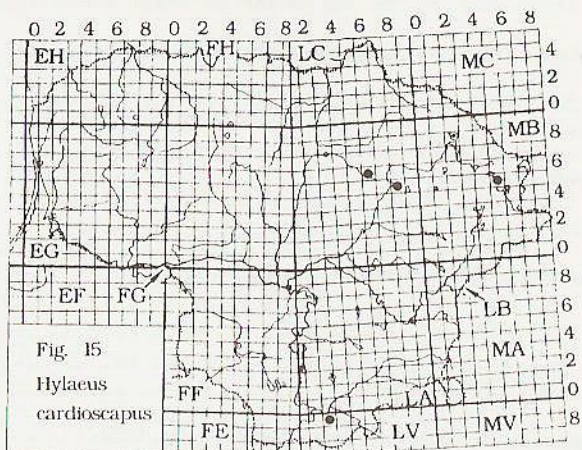


Distribution: Europe (up to 64° N), North Africa, Caucasus, Turkey, Israel, Iran.

***Hylaues (Hylaues) cardioseapus* Cockerell, 1924** (= *annulata* auct.: Osytsnjuk, 1970; Osytsnjuk et al, 1978, syn. nov!)

An, LB85.
Elmininkai, 23.VII.1984,
1♂; LB66, Troškūnai,
21.VI.1984, 2♀; Ign,
MB55, Rojus,
25.VI.1974, 1♂ (Jak);
Vrn, LV29,
Marcinkonys, 5.VI.1983,
1♂, 10.VIII.1983, 1♀;
Kapiniškės, 24.VII.1986,
1♀ (Fig. 15) /70, 72/,
on *Solidago v-aurea*,
Potentilla erecta,
Ranunculus acer,
Aegopodium
podagraria, *Geranium*
pratense.

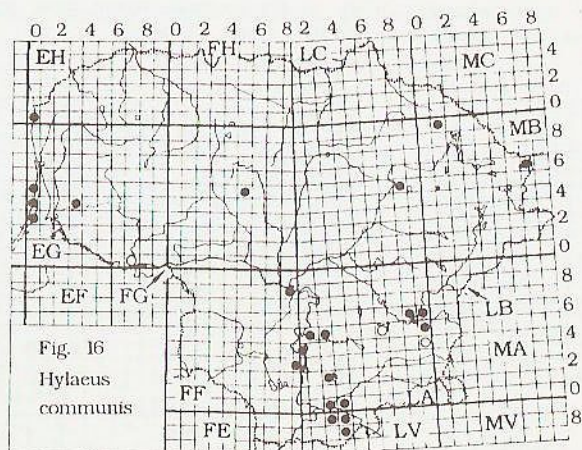
Distribution: Eastern Central and East Europe (up to 63° N), East Siberia.



***Hylaues (Hylaues) communis* Nylander, 1852** (= *annulata* auct.: Alfken, 1912)

Al, An, Prn, Rd,
Rk, Šlu, Trak, V,
Vrn, Zr, Daugai,
Kaunas, Neringa,
Palanga, Vilnius,
26(23) squar, 22.VI-
22.VIII, 271♀, 22.V-
20.VIII, 79♂ (Fig. 16)
/1, 68, 70, 75/,
polylectic, more
frequently on various
species of
Umbelliferae
(*Berteroa incana*,
Peucedanum
oreoselinum,
Aegopodium
podagraria etc),
locally abundant, more frequently discovered near forests and in the urban landscape.

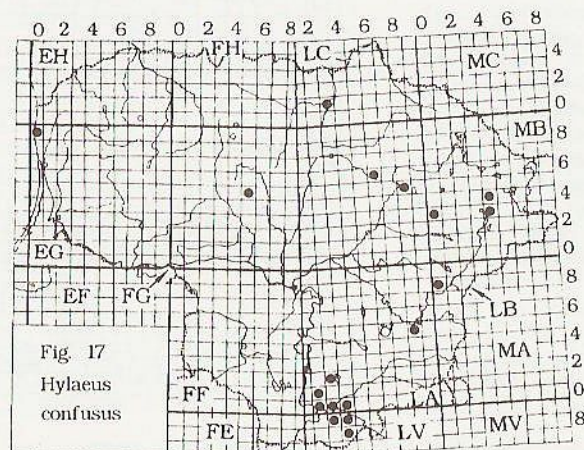
Distribution: Europe (up to 68° N), Morocco, Caucasus, Turkey, Iran, Iraq, Uzbekistan, Siberia.



***Hylaues (Prosopis) confusus* Nylander, 1852**

An, Ign, Kš, Mlt,
Rd, Trak, Ut, V,
Vrn, Daugai, Palanga,
Pasvalys, Vilnius,
21(20) squar, 7.VI-
20.VIII, 60♀, 1.VI-2.VIII,
21♂ (Fig. 17) /1, 70,
75/, polylectic, more
frequently on
Potentilla sp. sp.,
Campanula sp. sp.,
Jasione montana,
Lythrum salicaria,
Veronica sp.,
Galinsoga parviflora,
more abundant in
the regions, where
light soils prevail.

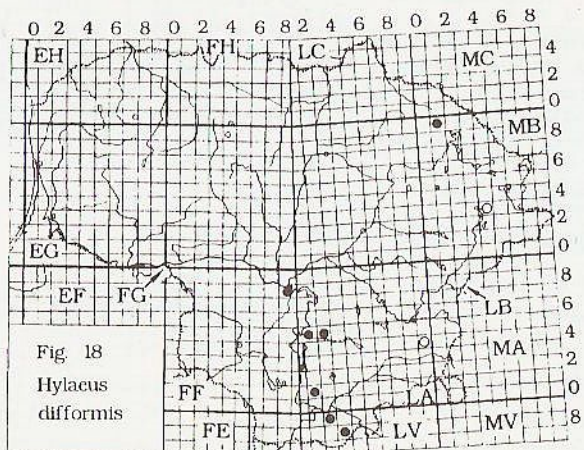
Distribution: Europe (up to 66° N), North Africa, Caucasus, Manchuria.



***Hylaues (Patagiata) difformis* (Eversmann, 1852)**

Ign, Prn, Rk, V,
Vrn, Kaunas, 9(7)
squar, 23.VI-16.VIII,
21♀, 24.VI-3.VII, 5♂
(Fig. 18) /125, 1, 70,
75/, *Echium vulgare*,
Melilotus albus,
Solidago v-aurea,
Campanula sp.,
Jasione montana,
Berteroa incana,
Lamium album, only
locally more
abundant.

Distribution:
Europe (up to 60°
N and 56° E),
Marocco, Caucasus,
Turkey, Iran.

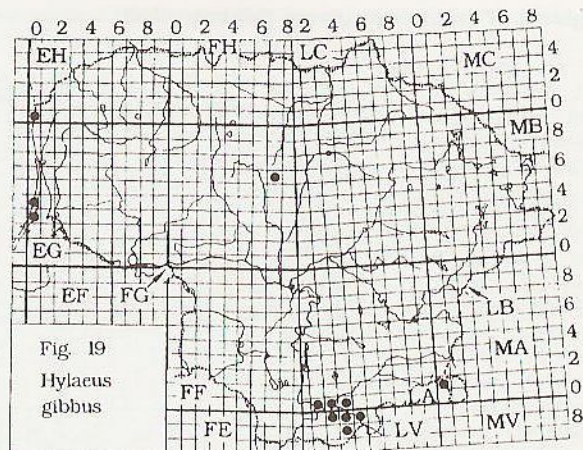


***Hylaues (Prosopis) gibbus* Saunders, 1850**

Rd, Šlčn, Šlu, Vrn, Neringa, Palanga, 13(12) squar, 8.VI-30.IX, 41♀, 8.VI-19.VIII, 18♂ (Fig. 19) /5, 68, 70, 75/, polylectic, more frequently on *Jasione*

montana, *Solidago v. aurea*, *Potentilla* sp., *Sarothamnus scoparius*, *Sedum acre*, *Melilotus albus*, *Scleranthus* sp., *Hieracium umbellatum*, *Anthemis tinctoria*, in the Dainava Sandy Plain and near the seaside is rather abundant, elsewhere is rare.

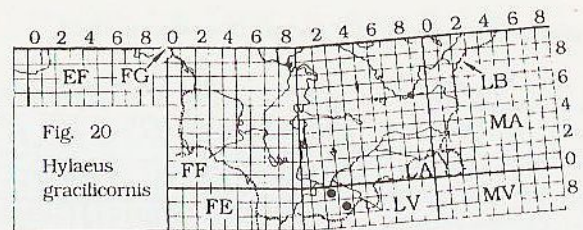
Distribution: Europe (up to 65° N and 40° E), North Africa, Caucasus, Turkey, Israel, Iran, Iraq.



***Hylaues (Hylaues) gracilicornis* (Morawitz, 1867)**

Vrn, LV29, Marcinkonys, 5.VI.1983, 1♀; LV38, Pagarenda, 3.VIII.1983, 2♀ (Fig. 20) /70, 72/, on *Berteroa incana*.

Distribution: Europe (up to 63° N), Syria, Iran, Siberia, Mongolia.



***Hylaues (Dentigera) gredleri* Foerster, 1871**

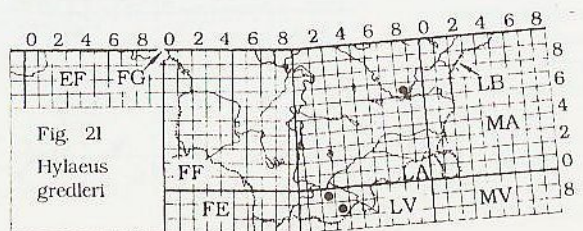
Vrn, LV38, Pagarenda, 3.VIII.1983, 1♀; LV29,

Marcinkonys, 7-

13.VIII.1983, 1♀ 2♂; Vilnius, LA86, Žvėrynas, 4.VII.1970, 2♂ (Jak) (Fig. 21)

/70, 72/, on *Berteroa incana*, *Peucedanum oreoselinum*, *Anethum graveolens*. A northern border of the range passes through South Lithuania.

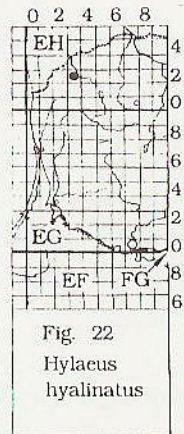
Distribution: Europe (up to 54° N), Caucasus.



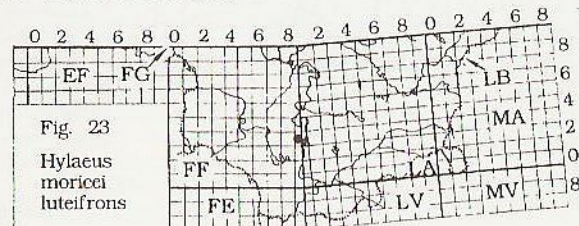
***Hylaues (Spatulariella) hyalinatus hyalinatus* Smith, 1842 (nec *decepiens* Foerster, 1871)**

Skd, EH32, Mosėdis, 16.VIII.1990, 1♀; Šlu, EG70, Šereitlaukis (Fig. 22) /68/, on *Lamium album*.

Distribution: North, Central and East Europe (up to 62° N and 40° E), Caucasus, Turkey.



***Hylaues (Hylaues) moricei luteifrons* (Strand, 1909) (= *moricella* Bischoff)**



Al, FF93, Luksnėnai, 22.VII.1970, 1♂ (Jak) (Fig. 23) /74/. A northern border of the range passes through South Lithuania.

Distribution: Central, South and East Europe (up to 54° N), Caucasus.

***Hylaues (Hylaues) nigritus* (Fabricius, 1798)**

An, Prn, Skd, Šr, Vrn, Kėdainiai, Vilnius, II(II) squar. (Fig. 24), 26.VI-25.VIII,

51♀, 29.VI-9.VII,

25♂/69, 70, 75/,

polylectic, usually on various species of *Compositae*,

Campanulaceae, such as *Anthemis tinctoria*,

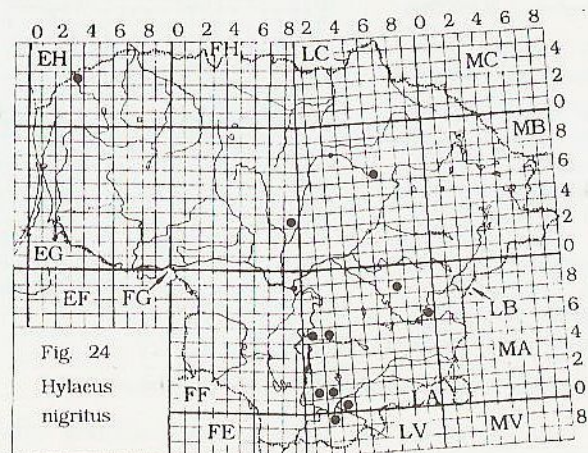
Jasione montana,

Leucanthemum vulgare,

Matricaria inodora etc, more

abundant in the regions, where heavy soils prevail.

Distribution: Europe (up to 62° N), Caucasus, Turkey, Israel, Iran, China.



***Hylaues (Prosopis) pectoralis* Foerster, 1871**

Not yet known, but reported from Rossitten (Rybatschi) in Kaliningrad obl. (Russia)/68/ and Klein Guja (Szymanowizna) in Poland /68/ near the frontier of Lithuania.

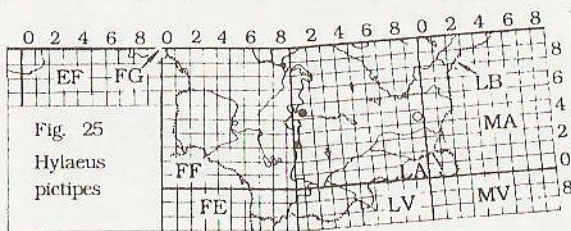
Distribution: West and Central Europe (up to 61° N and 26° E).

***Hylaeus (Paraprosopis) pictipes* Nylander, 1852**

Prn, LA15, Liciškėnai, 3.VII.1986, 1♀; V, LA94, Korystė (Korzysc), 25-

27.VII.1927, ♀♀ (Fig. 25) /1, 75/, on *Echium vulgare*.

Distribution: Europe (up to 60° N and 36° E), North Africa, Caucasus, Turkey, Syria, Israel.

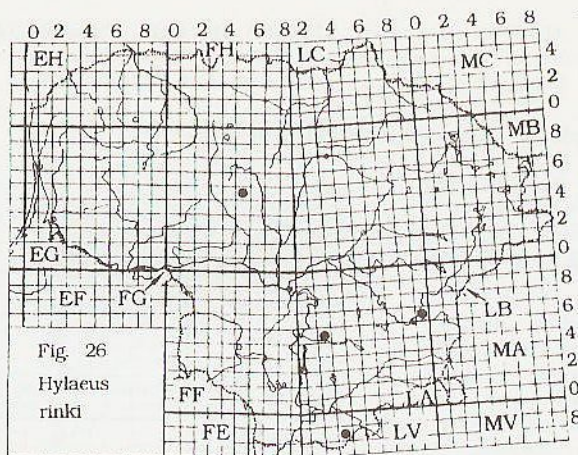


***Hylaeus (Lambdopsis) rinki* (Gorski, 1852) (nec *p.fankuchi* Alfken, 1919)**

Prn, LA25, Pikelionys, 30.VI.1986, 2♀; Rd, FG55, Praviršulis, 29.VIII.1969, 2♀ (Jak); Vrn, LV38, Čepkeliai, 2.VIII.1986,

2♀; Vilnius, LA96, Dvarčionys, 9.VII.1977, 1♀ (Bud) (Fig. 26) /46, 75/, on *Jasione montana*, unidentified species of *Umbelliferae*.

Distribution: temperate Europe (up to 63° N), North, Middle and East Asia.



***Hylaeus (Prosopis) signatus signatus* (Panzer, 1798) (= *pratensis* Fourcroy)**

Not yet known, but reported from Königsberg (Kaliningrad) in Kaliningrad obl. (Russia)/68/ and from other places near the frontier of Lithuania /5/.

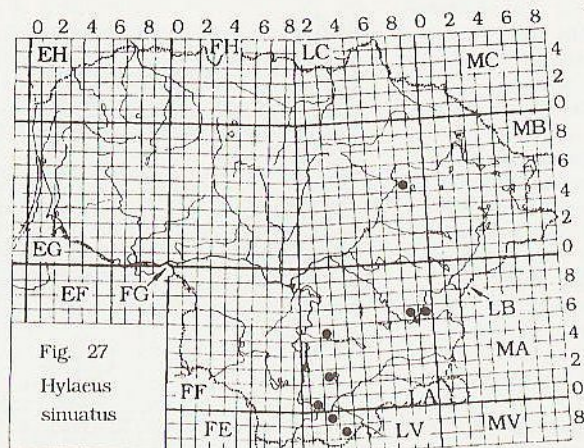
Distribution: temperate Europe (up to 60° N).

***Hylaeus (Paraprosopis) sinuatus* (Schenck, 1853) (= *minuta* auct.)**

An, Prn, Šlu, Vrn, Daugai, Vilnius, 9(8) squar. (Fig. 27), 23.VI-8.VIII, 26♀, 23.VI-1.VIII, 21♂ /68, 69, 70, 75/, polylectic, usually on various species of

Umbelliferae, *Cruciferae*, such as *Berteroa incana*, *Tortilis japonica*, *Aegopodium podagraria*, *Petroselinum sativum*, *Coriandrum sativum*, *Peucedanum oreoselinum*, *Anethum graveolens*, sometimes on *Achillea millefolium*, *Euphorbia* sp., more frequently discovered near forests and in the urban landscape.

Distribution: Europe (up to 57° N), North Africa, Caucasus, Turkey, Iraq, Iran.

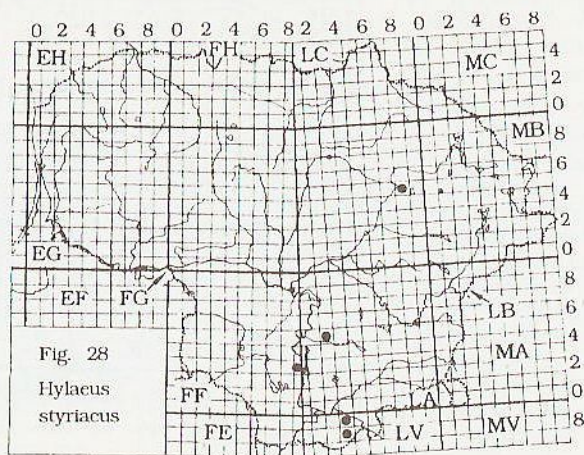


***Hylaeus (Paraprosopis) styriacus* Foerster, 1871**

Al, FF93, Luksnėnai, 22.VI.1970, 1♂ (Jak); An, LB85, Elmininkai, 23.VII.1984, 1♀; Prn, LA25, Bagdoniškis, 5.VII.1986, 1♂; Vrn, LV38, Pagarenda, 3.VII.1983, 1♂; LV39, Lynezeris,

20.VIII.1974, 1♀ (Jak) (Fig. 28) /70, 72, 75/, on *Berteroa incana*, *Aegopodium podagraria*.

Distribution: France, Central and South-East Europe (up to 57° N and 39° E), Turkey.



Family ANDRENIIDAE

Genus *Andrena* Fabricius, 1775

***Andrena (Micrandrena) alfkenella* Perkins, 1914**

Lzd, Prn, Šlu, V, Vrn, Vilnius, 10(9) squar. (Fig. 29), 1V-15.VIII, 36♀/68,

70, 72, 75/, polylectic, usually on various species of *Cruciferae*, *Compositae*.

Umbelliferae, such as *Arabis arenosa*, *Capsella bursa-pastoris*, *Berteroa incana*, *Taraxacum officinale*, *Pimpinella saxifraga*, only locally more abundant in agricultural-urban landscape.

Distribution: Europe (up to 57° N and 36° E), North Africa, Turkey.

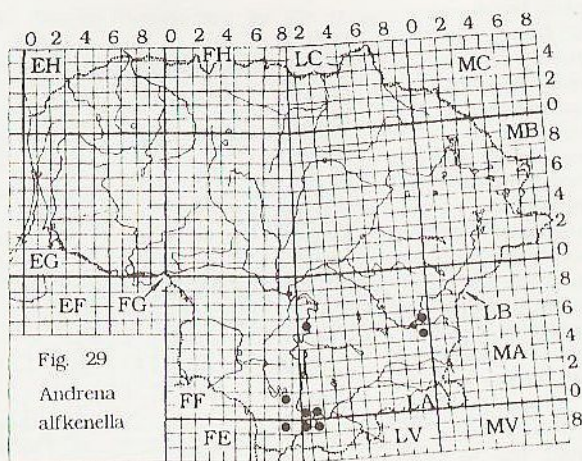


Fig. 29
Andrena alfkennella

***Andrena (Andrena) apicata* Smith, 1847 (= *batava* Perez)**

Al. Lzd, Prn, Šlu, Vlkv, Vrn, Daugai, Ignalina, Vilnius, 19(17) squar. (Fig. 30), 7.IV-26.V, 227♀, 5.IV-5.V, 16♂/68, 1, 70, 75/, usually on *Salix* sp. sp., very seldom on *Tussilago farfara*, *Pulsatilla patens*, *Taraxacum officinale*, rather abundant in South Lithuania, especially in Dainava Sandy Plain's forests, elsewhere is rare.

Distribution: Europe (between 61° and 40° N), Caucasus.

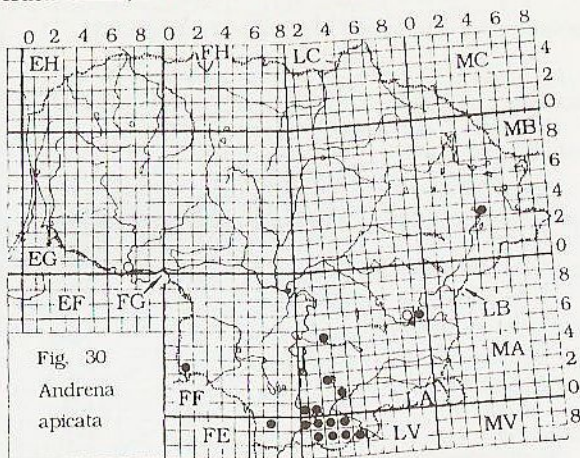


Fig. 30
Andrena apicata

***Andrena (Melandrena) assimilis gallica* Schmiedeknecht, 1883 (= *gallica* Schmied.)**

Vrn, LA10, Merkinė, 12.V.1985, 4♀ 1♂, LV29, Kapiniškiai, 24.28.VII.1986, 4♀ /70, 75/, Vilnius, LA85,

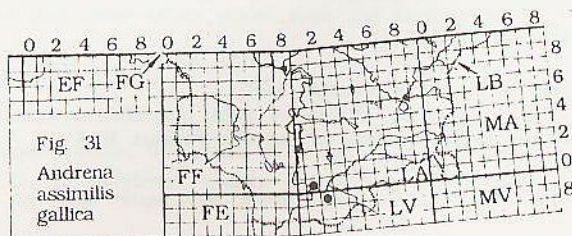


Fig. 31
Andrena assimilis gallica

Paneriai, 10.15.20.V.1933, ♀♀ (Fig. 31) /2/; on *Salix* sp. sp., *Centaurea* sp., *Taraxacum officinale*, *Fagopyrum sagittatum*. A northern border of the range passes through Lithuania.

Distribution: Europe (up to 56° N), Irkutsk.

***Andrena (Leucandrena) argentata* Smith, 1844**

Šlu, Vrn, Neringa, Vilnius, 7(4) squar. (Fig. 32),

19.IV-28.VIII, 12♀, 14.IV-22.VIII, 19♂/1, 2, 68/, on *Taraxacum officinale*, *Salix* sp. sp., *Arabis arenosa*, *Thynus serpyllum*, *Calluna vulgaris*, locally rather rare.

Distribution: Europe (between 63° and 40° N), Caucasus, Turkey, West Kazakhstan.

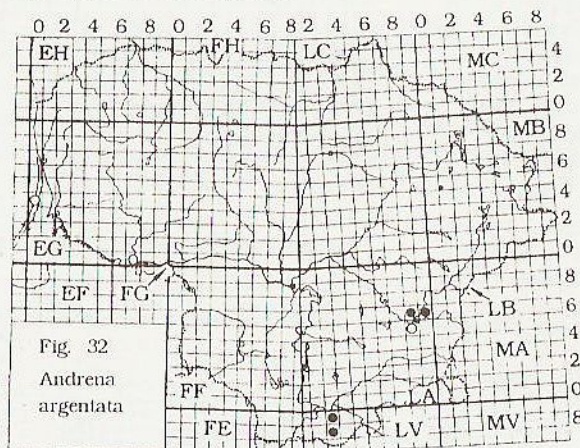


Fig. 32
Andrena argentata

***Andrena (Leucandrena) barbibris* (Kirby, 1802) (= *sericea* Christ)**

Lzd, Šl, Trg, V, Vrn, Jieznas, Trakai, Vilnius, 20(17) squar. (Fig. 33), 16.IV-3.VIII,

142♀, 19.IV-4.VI, 81♂/1, 2, 70, 75/, polylectic, more frequently on *Taraxacum officinale*, *Salix* sp. sp., *Potentilla* sp., *Arabis arenosa*, usually in the regions, where light soils prevail.

Distribution: Europe, Caucasus, Turkey, West Siberia, Far East, Kamchatka.

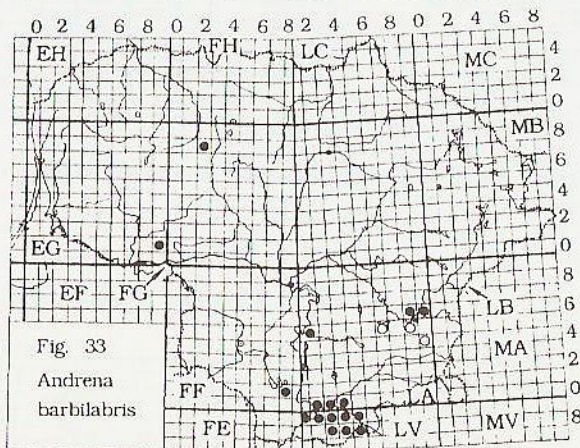


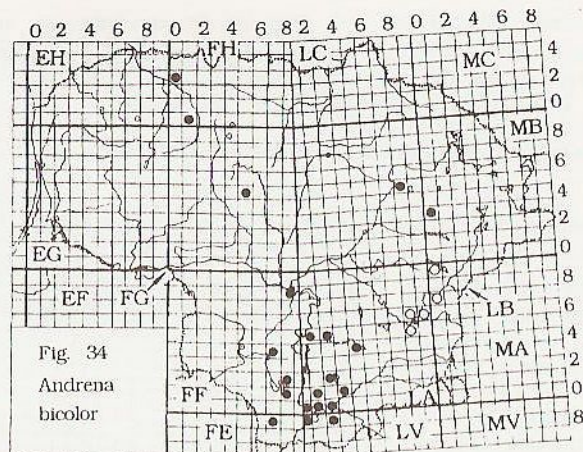
Fig. 33
Andrena barbibris

***Andrena (Euandrena) bicolor* Fabricius, 1775 (= *gwynana* Kirby)**

Akm, Al, An, Lzd, Mit, Prn, Rd, Šl, Trak, V, Vrn, Daugai, Kaunas, Vilnius, 26(21) squar. (Fig. 34), 14.IV-8.VIII, 8♀, 14.IV-22.VII, 23♂/1, 2, 70, 75/,

polylectic, more frequently on *Salix* sp. *Campanula* sp. sp., *Papaver somniferum*, *Taraxacum officinale*, widely distributed, but more abundant in agricultural-urban landscape, where heavy soils prevail.

Distribution: Europe (up to 61° N), North Africa, Caucasus, Turkey, Israel, Iran, North Kazakhstan.

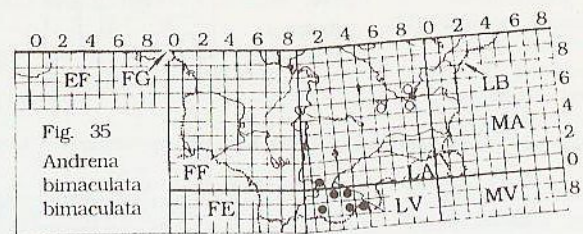


***Andrena (Plastandrena) bimaculata bimaculata* (Kirby, 1802)**

Vrn, Trakai, Vilnius, 9(6) squar. (Fig. 35), 20.IV-13.VIII, 3♀, 12.IV-24.VII, 13♂/1, 2, 70, 75/, polylectic, I generation usually on *Salix* sp. sp., II generation usually on *Melilotus albus*.

Geranium pratense, rather rare in Dainava Sandy Plain.

Distribution: Europe (up to 57° N), North Africa, Caucasus, Iran.

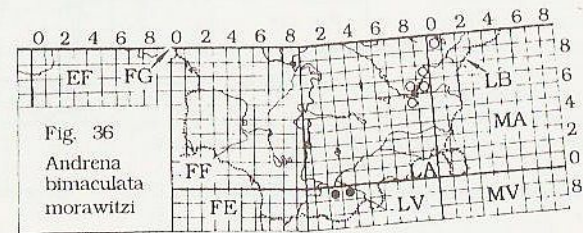


***Andrena (Plastandrena) bimaculata morawitzi* Thomson, 1872 (= bluthgenti Stoeckhert)**

V, Vilnius, 1, 2/, Vrn, LV29, Marcinkonys, 3.IV.1980, 1♀, Kapimiškiai, 2.IV.1985, 2♀; LV39, Zervynos, 13.V.1981, 1♀ (Fig. 36) /70/, polylectic, I

generation on *Salix* sp. sp., *Taraxacum officinale*, *Tussilago farfara*, *Potentilla arenaria*, II generation on *Galeopsis* sp.

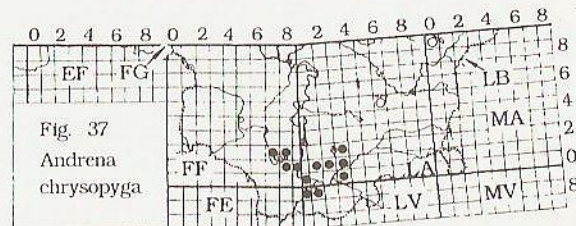
Distribution: temperate Europe (up to 61° N), Caucasus, South Siberia up to Baikal.



***Andrena (Zonandrena) chrysopyga* Schenck, 1853**

Al, Lzd, V, Vrn, Trakai, 14(12) squar. (Fig. 37), 30.V-6.VIII, 21♀, 30.V-20.VIII, 61♂/1, 70, 75/, polylectic, more frequently on *Trifolium repens*, *Anthemis tinctoria*, etc, recently discovered only in agricultural-urban landscape of South Lithuania. A northern border of the range passes through Lithuania.

Distribution: Europe without western part (up to 56° N), Caucasus, Turkey, Kirgizia, Kazakhstan.

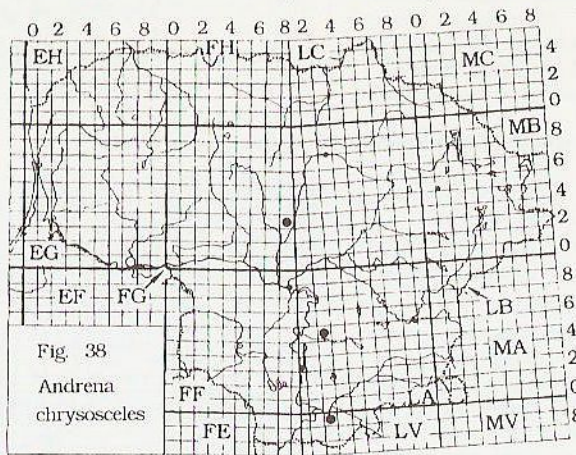


***Andrena (Notandrena) chrysoceles* (Kirby, 1802)**

Vrn, LA25, Anglininkai, 1.V.1984, 1♂, 19.V.1985, 1♀, 3.V.1986, 3♀; Vrn, LV29, Marcinkonys, 2.IV.1981, 1♂; Kėdainiai, FG83, 3.VI.1991, 6♀ 1♂/69, 70, 75/; Štu, EG70, Šereitlaukis, V.1934,

1♀/68/, on *Crataegus* sp., *Salix* sp., *Taraxacum officinale*, *Malus domestica*. A northern border of the range passes through Lithuania.

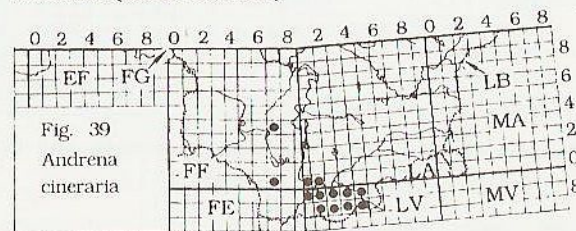
Distribution: temperate Europe (up to 55° N), Caucasus, West Kazakhstan.



***Andrena (Melandrena) cineraria* (Linnaeus, 1758)**

Al, Lzd, Vrn, 13(13) squar. (Fig. 39), 3.V-1.VII, 63♀, 13.IV-7.VI, 134♂/69, 70, 75/, polylectic, usually on *Salix* sp. sp., *Taraxacum officinale*, *Arabis arenosa*,

Pulsatilla patens etc, rather abundant in Dainava Sandy Plain, elsewhere is rare.



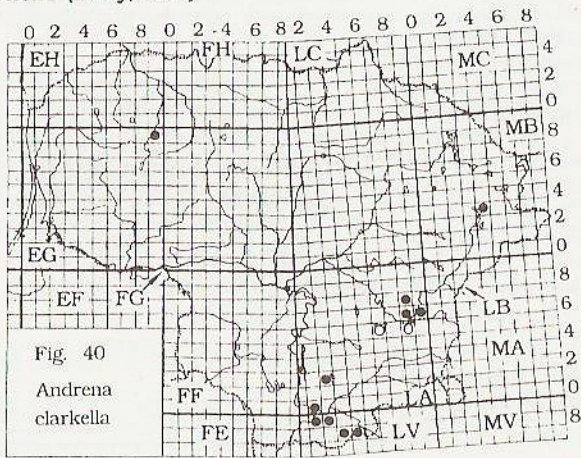
Distribution: Europe (up to 66° N), North Africa, Caucasus, Turkey, Israel, Iran, Siberia, Altai, North China, North Manchuria.

Andrena (Andrena) clarkella (Kirby, 1802)

Tl, V, Vrn, Daugai, Ignalina, Trakai, Vilnius, 13(1) squar. (Fig. 40), 12.IV-30.V,

38♀/1, 2, 70, 75%, usually on *Salix* sp. sp., very seldom on *Tussilago farfara*, *Taraxacum officinale*, everywhere rather rare, more frequently discovered in Dainava Sandy Plain's forests.

Distribution: Europe (between 70° and 45° N), Turkey, Siberia, Alaska, Canada, USA.

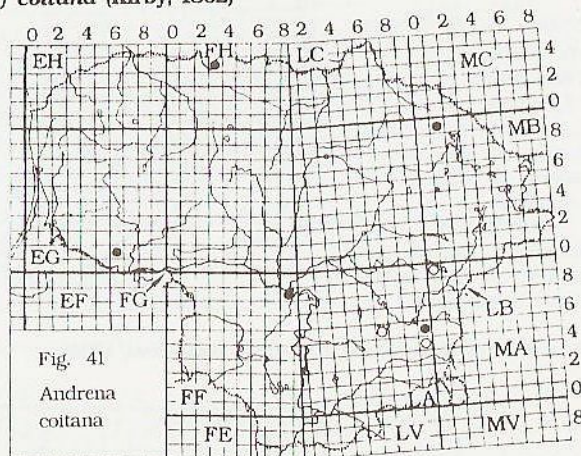


Andrena (Stenomelissa) coitana (Kirby, 1802)

Rk, Štu, V, Kaunas, Trakai, Žagarė, 8(5) squar.

(Fig. 41), 18-29.VII, 6♀, 12.VII-3.VIII, 3♂/1, on unidentified species of *Umbelliferae*, *Leontodon autumnalis*, *Hypochoeris* sp., *Galeopsis* sp., *Senecio* sp., more frequently discovered in North Lithuania.

Distribution: Europe (between 65° and 43° N), Caucasus, Siberia, Japan.



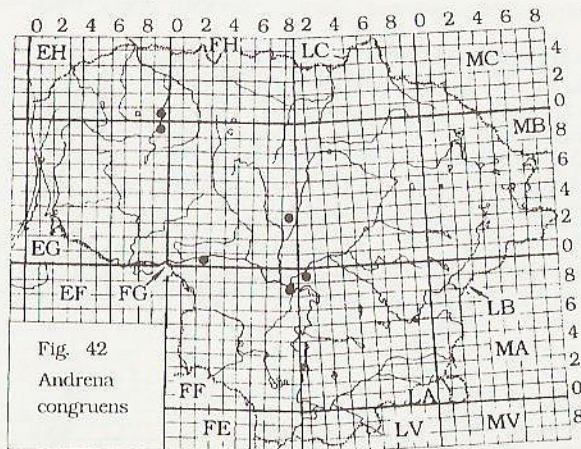
Andrena (Simandrena) congruens Schmiedeknecht, 1883

Jrb, FG20, Skirsnemunė, 17.V.1992, 3♀; Kn, LA19, Lapės, 18.V.1989, 1♀; Tl, EH90, Ūbiškė, 18.VII.1986, 6♀; EG99, Luokė, 20.V.1991, 1♀; Kaunas, FF88,

Jiesia, 2.V.1992, 1♂; Kėdaimiai, FG83, 18.V.1991, 3♀ (Fig. 42) /74/, on unidentified species of *Umbelliferae*, *Taraxacum officinale*, *Salix* sp. sp., *Crataegus* sp., *Hieracium pilosella*. Distribution of this southern species is

very interesting; it is absent in South Lithuania and discovered only in the river's valleys in central and northern part of the Republic, where heavy soils prevail. A northern border of the range passes through Lithuania.

Distribution: Europe (up to 56° N), North Africa, Caucasus, Turkey, Israel.

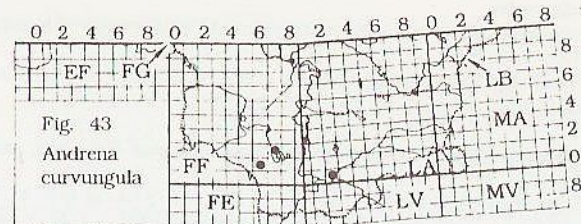


Andrena (Lepidandrena) curvungula Thomson, 1870

Lzd, FF72, Padusys, 7.VII.1991,

5♀ 3♂; FF61, Giraitė, 28.VII.1994, 2♂; Vrn, LA20, Mardasavas, 25.VII.1985, 1♂ (Fig. 43) /70, 72, 76/, oligolectic, on

Campanula sp. sp. Included in the Red Data Book of Lithuanian fauna. Distribution: temperate Europe (up to 57° N), Caucasus, Turkey.

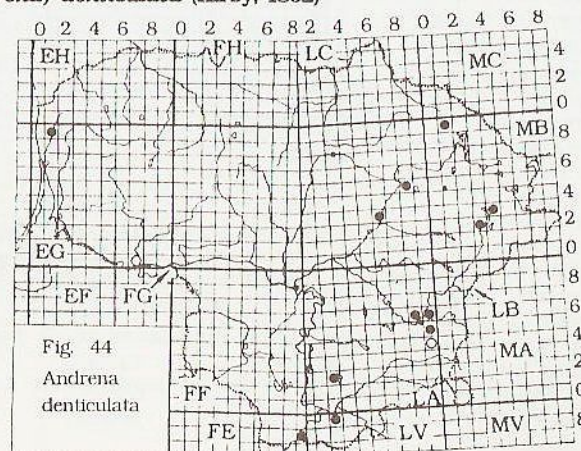


Andrena (Cnemidandrena) denticulata (Kirby, 1802)

An, Lzd, Rk, Štu, Švnc, V, Vrn, Daugai, Ignalina, Kretinga, Vilnius, 14(12) squar. (Fig. 44), 25.VII-25.VIII,

18♀, 5-25.VII, 5♂/1, 68, 70%, polylectic, more frequently on various species of *Compositae*, such as *Tanacetum vulgare*, *Solidago v-aurea*, *Leontodon autumnalis*, *Anthemis tinctoria*, *Hieracium* sp., everywhere rather rare.

Distribution: Europe (between 65° and 43° N), Baikal.



Andrena (Simandrena) dorsata dorsata (Kirby, 1802)

Al, Jrb, Kn, Lzd, Prn, Šl, Tl, Ut, V, Vlkv, Vrn, Druskininkai, Ignalina, Jonava, Kedainiai, Kybartai, Vilnius, 34(33) squar. (Fig. 45), 14IV-15.VIII,

126♀, 14IV-8.VIII, 96♂/l, 2, 70, 75/, polylectic, more frequently on *Salix* sp. sp., *Taraxacum officinale*, *Mellilotus albus*, *Cerasus* sp., *Malus domestica*, *Pyrus* sp., *Acer platanoides*, *Crataegus* sp. etc, widely distributed and rather abundant in agricultural-urban landscape.

Distribution: Europe (up to 59° N), North Africa, Caucasus, Turkey, Israel, Iran.

Andrena (Simandrena) dorsata propinqua Schenck, 1853

Al, Lzd, Mlt, Prn, Vrn, Daugai, Trakai, Vilnius, 19(17) squar. (Fig. 46), 14IV-15.VIII, 74♀, 14IV-9.VIII, 53♂/l, 2, 70, 75/, polylectic, more frequently on *Salix* sp. sp., *Cerasus* sp., *Taraxacum officinale*, *Pyrus* sp., *Mellilotus albus*, to compare with nominotypical subspecies distribution must be characterized as more southern: rather abundant only in South Lithuanian agricultural-urban landscape. A northern border of the range passes through Lithuania.

Distribution: Europe (up to 55° N), North Africa, Caucasus, West Kazakhstan.

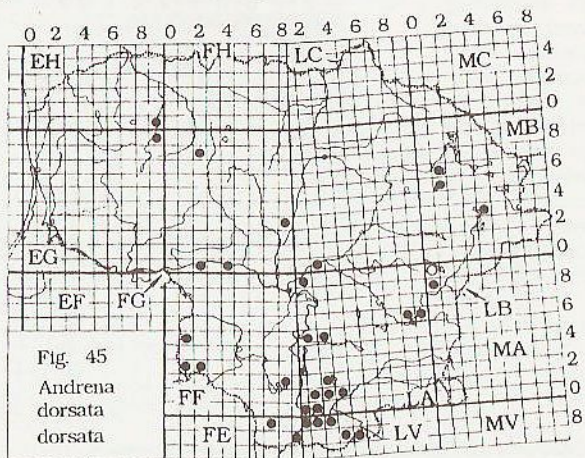


Fig. 45
Andrena dorsata dorsata

Andrena (Micrandrena) falsifica Perkins, 1915

Jrb, Klm, Rd, Tl, Trg, Vrn, Kedainiai, Vilnius, 20(19) squar. (Fig. 47), 14IV-2.VI,

224♀, 14IV-6.VI, 33♂/l, 2, 70, 75/, usually on *Potentilla arenaria*, *Taraxacum officinale*, *Fragaria vesca*, sometimes on *Salix* sp., *Veronica* sp., *Erophila verna*, *Barbarea* sp. locally abundant.

Distribution: Europe (between 61° and 40° N), Caucasus.

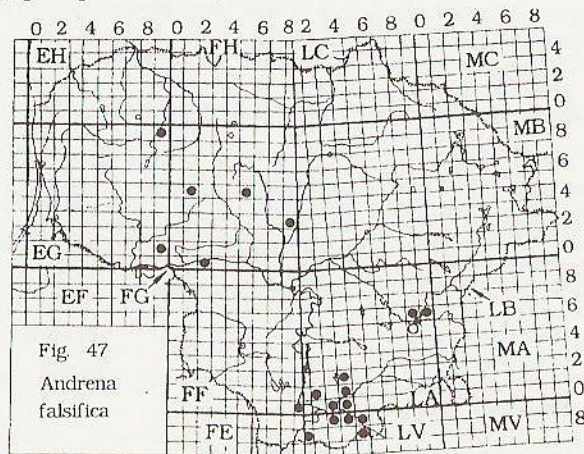


Fig. 47
Andrena falsifica

Andrena (Zonandrena) flavipes Panzer, 1799

Al, Jrb, Lzd, V, Vlkv, Vrn, Ignalina, Kaunas, Kedainiai, Vilnius, 21(20) squar. (Fig. 48), 14IV-28.VII,

103♀, 14IV-7.VIII, 87♂/l, 18, 70, 75/, polylectic, more frequently on *Salix* sp. sp., *Senecio* sp. sp. in South Lithuania rather abundant. A northern border of the range passes through North Lithuania.

Distribution: Europe (up to 56° N), North Africa, Caucasus, Turkey, Iran, Israel, Afghanistan.

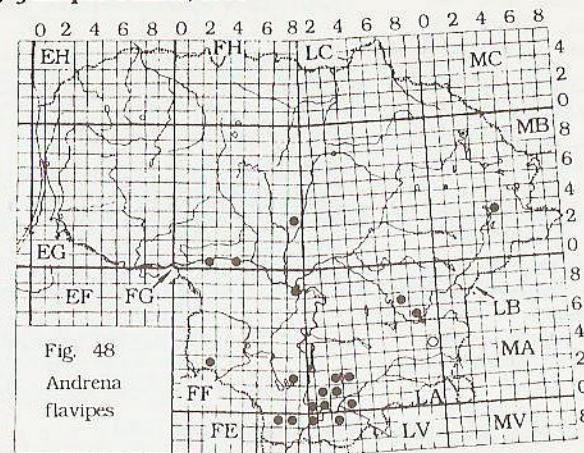


Fig. 48
Andrena flavipes

Andrena (Micrandrena) floricola Eversmann, 1852

Lzd, Vrn, Vilnius, 6(5) squar. (Fig. 49), 30.IV-17.VIII, 17♀, 29.IV, 1♂/2, 70, 75/, on *Arabis arenosa*, *Salix* sp. sp., *Taraxacum officinale*, *Berteroa*

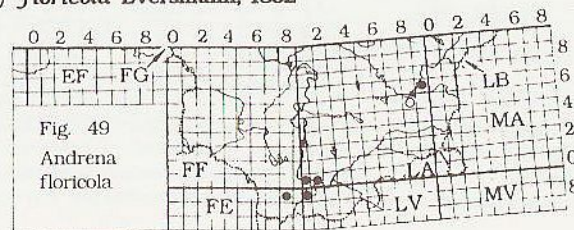


Fig. 49
Andrena floricola

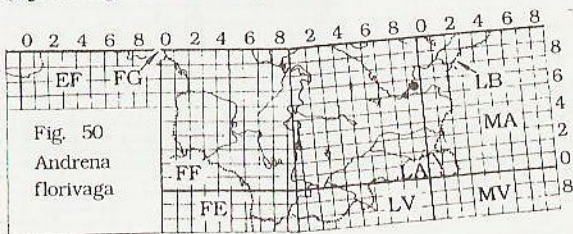
incana, *Tussilago farfara*, *Potentilla* sp., locally rather rare discovered in agricultural-urban landscape. A northern border of the range pass through Lithuania.

Distribution: Europe (up to 56° N), Caucasus, Turkey.

***Andrena (Lepidandrena) florivaga* Eversmann, 1852**

Vilnius, LA96, Sapieginė, 6.VI.1971, 1♂ (Stan) (Fig. 50) /74/. A northern border of the range passes through South Lithuania. Included in the Red Data Book of Lithuanian fauna.

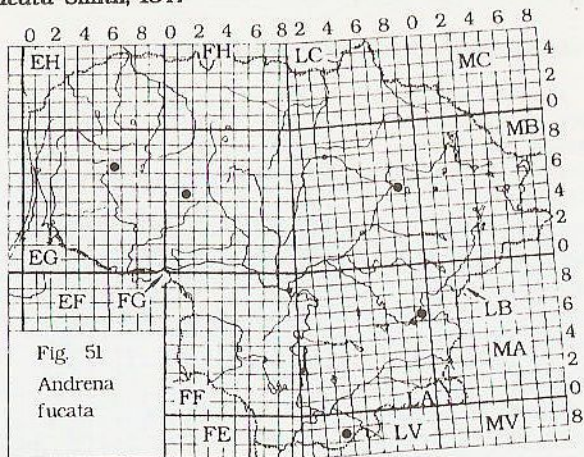
Distribution: South and southern part of Central Europe (up to 55° N in Lithuania), Caucasus, Turkey.



***Andrena (Andrena) fucata* Smith, 1847**

An, Klm, Pln. Vrn, Vilnius, 5(5) squar. (Fig. 51), 2-23.VI, 3♀, 15.V-6.VI, 2♂/1, 70%, on *Rubus* sp., *Geum rivale*, *Taraxacum* of *ficinale*, everywhere rare.

Distribution: Europe (up to 68° N), in South Europe usually in mountains, Caucasus, Turkey, North Kazakhstan.

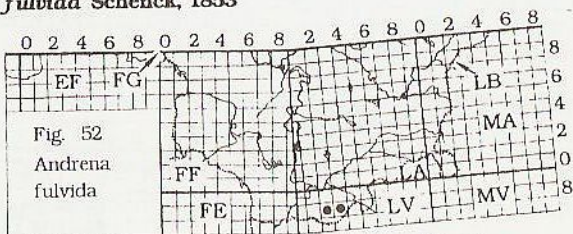


***Andrena (Euandrena) fulvida* Schenck, 1853**

Vrn, LV38, Čepkeliai, 19.VI.1980, 1♀, 1.VI.1981, 2♀, 3.VI.1981, 1♀, 26.V.1983, 2♀; LV28, Musteika, 27.V.1975, 1♂ (Jak)

(Fig. 52) /69, 70/, on *Coronaria flos-cuculi*, *Potentilla erecta*, *Hieracium pilosella*, *Veronica chamaedrys*, *Sarothamnus scoparius*.

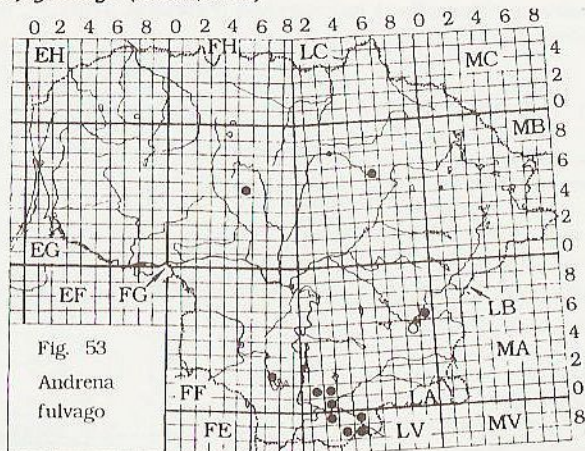
Distribution: Central Europe and Scandinavia (up to 67° N and 30° E).



***Andrena (Chrysandrena) fulvago* (Christ, 1791)**

An, Lzd, Rd, Vrn, Vilnius, 12(1) squar. (Fig. 53), 21.V-4.VII, 19♀, 1-13.VI, 11♂ /2, 70, 75/, usually on *Hieracium pilosella*, *Taraxacum* of *ficinale*, *Hypochaeris radicata* and on some other species of *Compositae*, more abundant in the regions, where light soils prevail.

Distribution: Europe (up to 60° N), Caucasus, Turkey. In southern part of the range - only in the mountains.

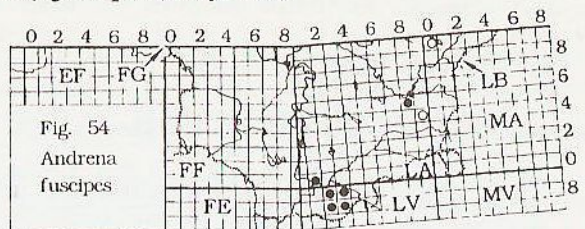


***Andrena (Cnemidandrena) fuscipes* (Kirby, 1802)**

V, Vrn, Vilnius, 8(6) squar. (Fig. 54), 14.VII-16.IX, 34♀, 16.VII-28.VIII, 68♂ /1, 18, 70/, usually on *Calluna vulgaris*, sometimes on *Potentilla* sp.,

Helichrysum arenarium, *Solidago v-aurea*, *Senecio* sp., unidentified species of *Umbelliferae*, in pain forests of South and Southeast Lithuania rather abundant.

Distribution: Europe (between 63° and 42° N).

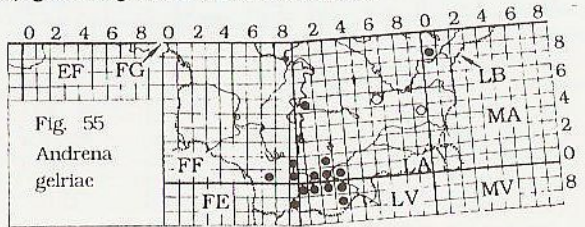


***Andrena (Taeniandrena) gelriae gelriae* v. d. Vecht, 1927**

Lzd, Prn, V, Vrn, Trakai, 17(15) squar. (Fig. 55), 22.V-24.VIII, 97♀, 26.V-8.VIII, 27♂/1, 70, 75/, usually on various species of *Leguminosae*, sometimes on

Veronica chamaedrys, *Hieracium pilosella*, *Thymus serpyllum*, *Sedum acre*, *Anthemis tinctoria*, *Potentilla argentea*, *Stellaria* sp., *Helianthemum nummularum*, in South Lithuania rather abundant.

Distribution: Europe (up to 64° N), Caucasus, Turkey.



Andrena (Biareolina) haemorrhoea (Fabricius, 1781) (= *albicans* auct. nec Muller, 1776)

Akm, Al, Jrb, Kn, Lzd, Mlt, Prn, Šl, Tl, V, Vlkv, Vrn, Zr, Daugai, Ignalina, Jieznas, Kaunas, Kečlainiai, Kuršenai, Trakai, Vilnius, 45(42) squar. (Fig. 56), 13.IV-6.VII, 288♀, 11.IV-31.V, 298♂/1, 2, 70, 75/, polylectic, usually on *Salix* sp. sp., *Taraxacum officinale*, *Arabis arenosa*, *Malus domestica*, *Acer*

platanoides, *cerasus* sp., *Pyrus* sp., *Potentilla* sp., sometimes *Pulsatilla patens*, *Fragaria vesca*, *Ledum palustre*, *Viburnum opulus*, *Sarothamnus scoparius*, *Crataegus* sp., *Sorbus aucuparia* etc. widely distributed and abundant.

Distribution: Europe (up to 68° N), Caucasus, Iran, Syria, Altai, Siberia, Mongolia, Kamchatka, Japan.

Andrena (Charitandrena) hattorfiana (Fabricius, 1775)

An, Ign, Krtm, Kš, Lzd, Mlt, Prn, Skd, Šlčn, Šlu, Švnč, V, Vrn, Ignalina, Trakai, Varena, 26(22) squar. (Fig. 57), 6.VI-25.VIII, 61♀, 7.VI-8.VIII, 24♂/1, 68, 70, 75/, monolectic, usually on *Knautia arvensis*, very rare on *Scabiosa ochroleuca*, widely distributed and rather abundant in agricultural-forest landscape.

Distribution: Europe (up to 63° N), North Africa, Caucasus, Turkey.

Andrena (Andrena) helvola (Linnaeus, 1758)

Akm, Al, Lzd, Mlt, Prn, Tl, Vrn, Jieznas, Kaunas, Vilnius, 13(12) squar.

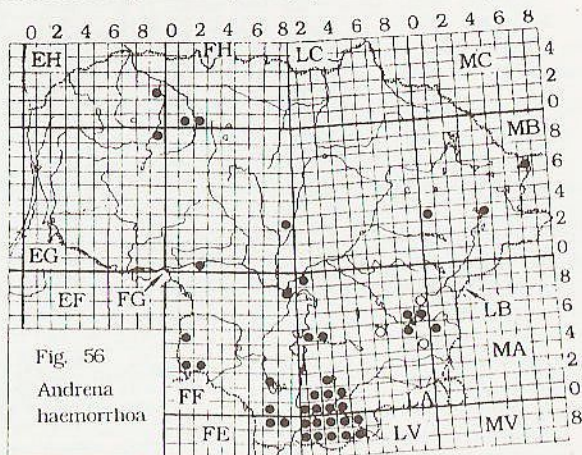


Fig. 56
Andrena
haemorrhoea

(Fig. 58), 2.V-7.VI, 8♀, 12.IV-28.V, 12♂/1, 2, 70, 75/, on *Salix* sp. sp., *Malus domestica*, *Ribes nigrum*, *Sorbus aucuparia*, *Tussilago farfara*, *Taraxacum officinale*, *Crataegus* sp., *Pyrus* sp. rather rare, more abundant in agricultural-urban landscape, where heavy soils prevail.
Distribution: Europe (between 61° and 43° N), Caucasus, Turkey.

Andrena (Chlorandrena) humilis Imhoff, 1832

Lzd, Prn, Šil, Šlčn, Trak, V, Vrn, Vilnius, 16(13) squar. (Fig. 59), 30.V-13.VII, 107♀, 25.V-22.VI, 18♂/1, 2, 70, 75/, usually on *Hieracium pilosella*, sometimes on *Hypochoeris radicata*, *Taraxacum officinale*, *Senecio vernalis*, *Crepis tectorum*, more abundant in the regions, where light soils prevail.
Distribution: Europe (up to 63° N), North Africa, Caucasus, Turkey, Israel, Iran, North China, Mongolia, Japan.



Fig. 60
Andrena
intermedia

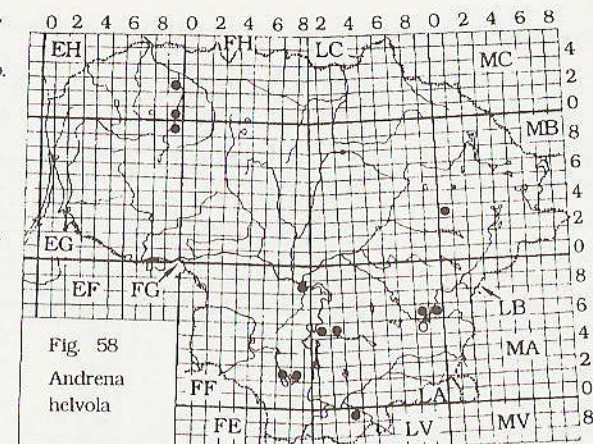


Fig. 58
Andrena
helvola

Andrena (Taeniandrena) intermedia Thomson, 1870

Ign, MB44, Akriciniai, 12.VII.1980, 3♂; Švnč, MB32, Kaltanėnai, 10.VII.1980, 1♂ (Fig. 60) /69, 71/, on *Melilotus albus*, *Vicia silvatica*, *Rubus idaeus*.
Distribution: Europe (up to 66° N), Turkey.

Andrena (Hoplendrena) jacobi Perkins, 1921 (= carantonica auct.)

Al, Jrb, Kn, Lzd, Mlt, Prn, Šl, Tl, Vrn, Ignalina, Kėdainiai, Vilnius, 19(18) squar. (Fig. 61)

1.V-7.VI, 38♀, 22.IV-26.V, 43♂/2, 70, 75/, on *Salix* sp. sp., *Pyrus* sp., *Malus domestica*, *Cerasus* sp., *Taraxacum officinale*, *Sorbus aucuparia*, *Acer platanoides*, *Crataegus* sp., *Prunus* sp., *Ribes nigrum*, more

abundant in agricultural-urban landscape, where heavy soils prevail. Distribution: Europe (between 62° and 41° N), Caucasus.

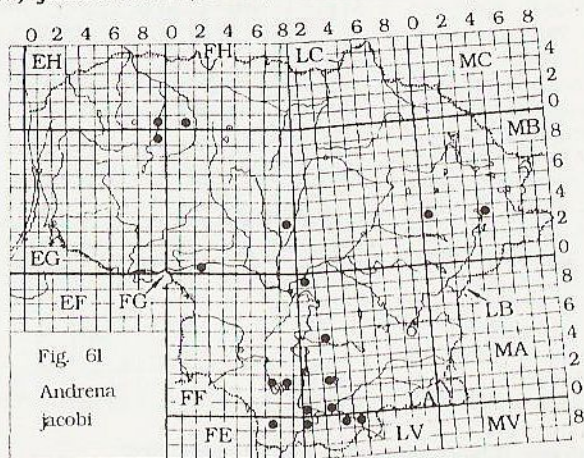


Fig. 61
Andrena
jacobi

Andrena (Holandrena) labialis (Kirby, 1802)

Lzd, Šlėn, Štu, Vrn, Vilnius, 8(6) squar. (Fig. 62) 2.VI-24.VII, 18♀, 20.V-5.VII, 3♂ / 1, 68, 18, 70, 75/, on *Trifolium repens*, *T. pratense*, *Medicago falcata*, *Hypochoeris radicata*, *Hieracium pilosella*, *Senecio vernalis*, rather rare in agricultural-urban landscape of South Lithuania.

Distribution: Europe (up to 62° N), North Africa, Caucasus, Turkey, Iran, Afghanistan.

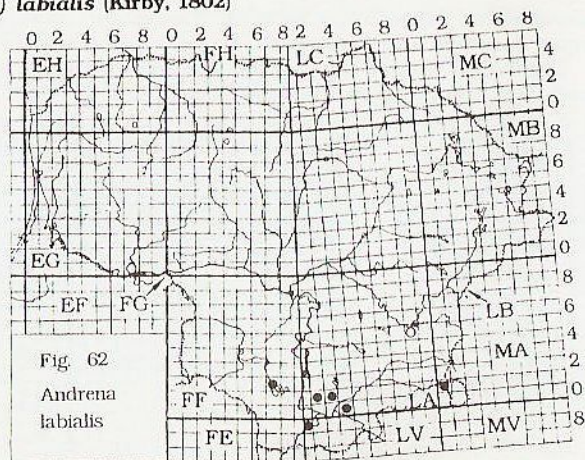


Fig. 62
Andrena
labialis

Andrena (Poecilandrena) labiata Fabricius, 1781 (= cingulata Fabricius)

Al, Lzd, Vrn, Vilnius, 12(11) squar. (Fig. 63), 15.V-4.VII, 15♀, 6.V-2.VI, 50♂/2, 70, 75/, polylectic, usually on *Veronica chamaedrys*, *Cerastium semidecandrum*, *C. arvensis*, *Arabis arenosa*, *Veronica arvensis*, sometimes on *Thymus serpyllum*, *Stellaria* sp., *Taraxacum officinale*, *Hieracium*

pilosella, only locally rather abundant.

Distribution: Europe (up to 61° N), North Africa, Caucasus, Turkey, Iran, North Kazakhstan, North Manchuria.

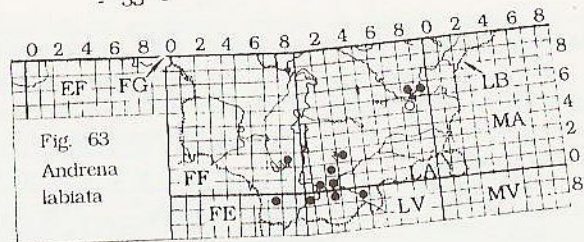


Fig. 63
Andrena
labiata

Andrena (Andrena) lapponica Zetterstedt, 1838

Lzd, Trg, Vrn, Kuršėnai, Neringa, 11(10) squar. (Fig. 64), 22.IV-7.VII, 105♀, 20.IV-14.VI, 65♂/5, 69, 70/, polylectic, more frequently on *Vaccinium vitis-idaea*, *Taraxacum officinale*, *Salix* sp. sp., *Pulsatilla patens*, *Potentilla arenaria*, *Ledum palustre*, in Dainava Sandy Plain's forests abundant, elsewhere rare.

Distribution: Europe (between 70° and 43° N, in southern part of Europe in mountains), Baikal.

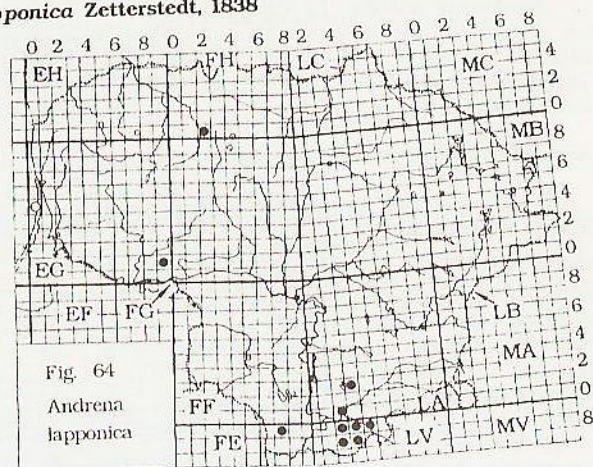


Fig. 64
Andrena
lapponica

Andrena (Taeniandrena) lathyri Alfken, 1899

Vilnius, LA85, Paneriai, 29.V.1932, ♀♀ (Fig. 65) /1/.

Distribution: Europe (up to 61° N and 35° E), North Turkey.

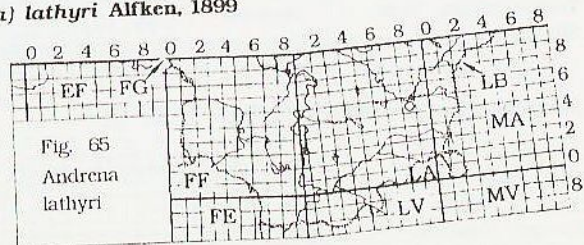


Fig. 65
Andrena
lathyri

Andrena (Simandrena) lepida Schenck, 1859 (= separanda Schmieđ)

Vilnius, LA85, Paneriai, 4.IV.1933, ♂♂ (Fig. 66)/2/. A northern border of the range passes through Lithuania.

Distribution: Europe (up to 56° N), North Africa, Caucasus, Israel.

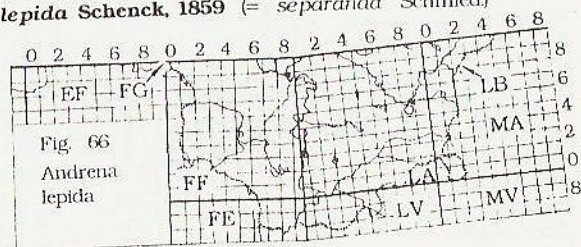


Fig. 66
Andrena
lepida

***Andrena (Melandrena) limata* Smith, 1853 (= *pectoralis* Schmied.)**

Al. Lzd. Vrn. 6(6) squar. (Fig. 67), 30.IV-25.VIII, 9♀, 16.VI, 1♂/70, 72, 75/, on *Taraxacum officinale*, *Centaurea maculosa*, *Cichorium intybus*, *Echium vulgare*, *Potentilla arenaria*, rare in agrolandscape of South Lithuania. A northern border of the range passes through South Lithuania.

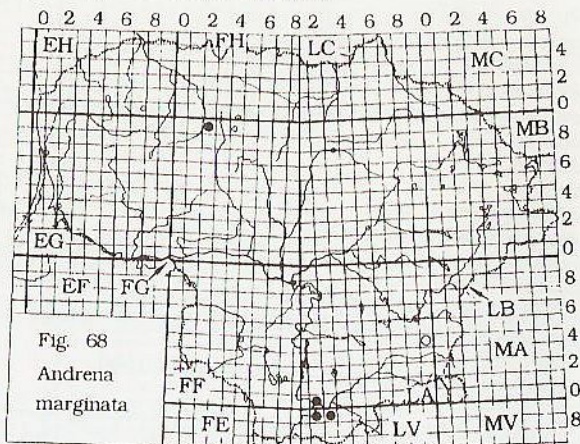
Distribution: Europe (up to 54° N), North Africa, Caucasus, Turkey, Israel, Iran, North Kazakhstan.



***Andrena (Margandrena) marginata* Fabricius, 1776**

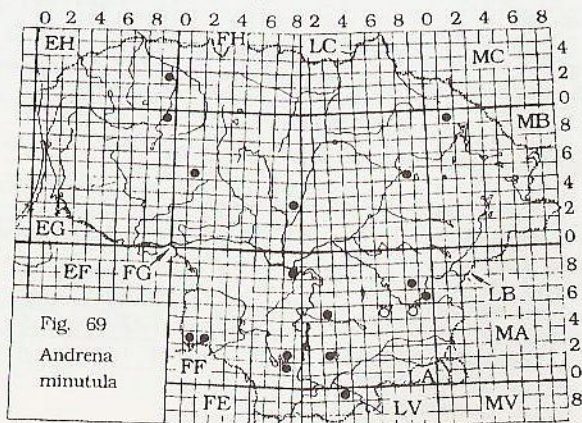
Šl. V. Vrn. 5(4) squar. (Fig. 68), 12-28.VIII, 6♀, 21.VII, 1♂/1, 70, 75/, on *Scabiosa ochroleuca*, *Knautia arvensis*, *Solidago v-aurea*, rare in agricultural-forest landscape.

Distribution: Europe (up to 64° N), Caucasus, Turkey, West Kazakhstan, Turkmenistan, West Siberia.



***Andrena (Micrandrena) minutula* (Kirby, 1802)**

Akm. Al. An. Klm. Lzd. Prn. Rk. Tl. V. Vlkv. Vrn. Daugai, Kaunas, Kėdainiai, Trakai, Vilnius, 18(16) squar. (Fig. 69), 22.IV-8.VIII, 23♀, 30.VI-21.VII, 3♂/1, 2, 75/, polylectic, I generation usually on *Tussilago farfara*, *Salix sp. sp.*, *Potentilla arenaria*, *Taraxacum officinale*, *Pyrus sp.*



Acer platanoides, *Barbarea sp.*, II generation usually on various species of *Umbelliferae* (*Pimpinella sp.*, *Daucus sp.*, etc), widely distributed, but is not abundant in the agricultural-urban landscape.

Distribution: Europe (up to 64° N), North Africa (?), Caucasus, Turkey.

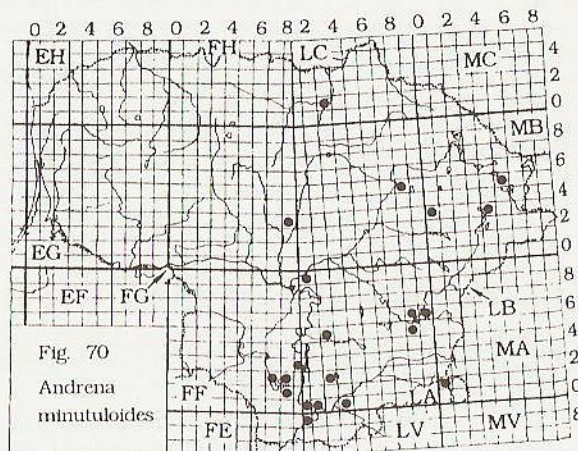
***Andrena (Micrandrena) minutuloides* Perkins, 1914**

Al. An. Ign. Kn. Lzd. Mlt. Prn. Ps. Šlėn. Vrn. Daugai, Ignalina, Kėdainiai, Vilnius, 21(21) squar. (Fig. 70), 13.V-8.VIII,

72♀, 24.IV-25.VI, 35♂/1, 2, 70, 75/, polylectic, I generation usually on *Taraxacum officinale*, *Arabis arenosa*, *Pyrus sp.*, *Capsella bursa-pastoris*, *Stellaria sp.*, *Potentilla reptans*, *Crataegus sp.*, *Fragaria vesca*, II

generation usually on various species of *Umbelliferae* (*Pimpinella saxifraga*, *Carum carvi* etc), more abundant in agricultural-urban landscape of South and East Lithuania.

Distribution: Europe (up to 63° N), North Africa, Caucasus, Turkey.



***Andrena (Micrandrena) nana* (Kirby, 1802)**

Not yet known, but reported from Rossitten (Rybatschi) in Kaliningrad obl /68/, Lenkowo in North-East Poland /18/ and from other places near the frontier of Lithuania.

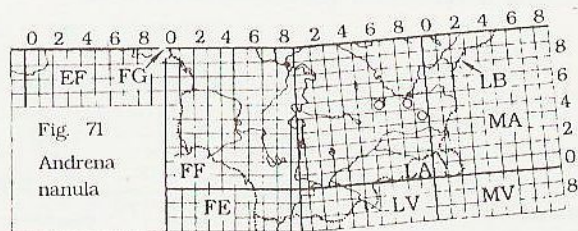
Distribution: Europe (up to 56° N), North Africa, Caucasus, Kazakhstan.

***Andrena (Micrandrena) nanula nanula* Nylander, 1848**

V. Trakai, Vilnius, 3(0) squar. (Fig. 71), 28.IV-18.VIII,

♀♀ ♂♂/1, 2/, I generation usually on *Salix sp. sp.*, II generation usually on various species of *Umbelliferae*, was abundant in 1928-1932.

Distribution: North Europe and northern part of temperate Europe (up to 63° N).



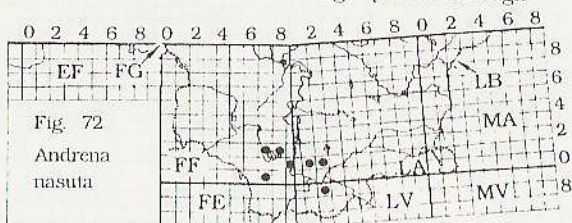
Andrena (Didonia) nasuta Giraud, 1863

Al, FF82, Obeliņa, 27.VI.1980, 1♀; Lzd, FF91, Kriekštonys, 14-16.VI.1986, 8♀; FF72, Padusys, 4.VI.1994, 11♂; FF70, Gegutė, 29.VI.1994, 1♀; Vrn, LA21,

Gudakiernis, 6.VII.1987, 6♀; LA11, Ilgininkai, 4.VI.1992, 5♀; LV29, Puvočiai, 4.VII.1987, 1♂ (Fig. 72) /73 75, 76/, monolectic, on *Anchusa officinalis*, in agricultural-urban landscape. A northern border of range passes through South Lithuania.

Included in the Red Data Book of Lithuanian fauna.

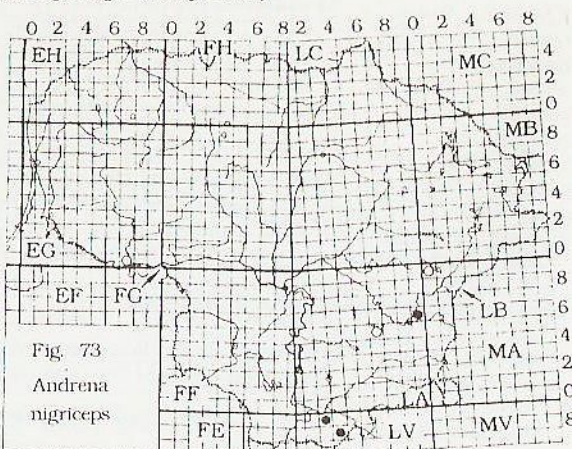
Distribution: Europe, without western part (up to 54° N and 32° E), Caucasus, Turkey, Israel.



Andrena (Cnemidarena) nigriceps (Kirby, 1802)

Štu, EG70, Šreitlaukis /68/; V, MA09, Bališkės /1/; Vrn, LV38, Čepkeliai, 24.VI.1983, 1♀; LV29, Kapiniškiai, 28.VII.1986, 1♀; Vilnius, LA96, 9.VII.1977, 1♂ (Bud) /70/; Trakai, LA65 (Fig. 73) /1/ on *Fagopyrum sagittatum*.

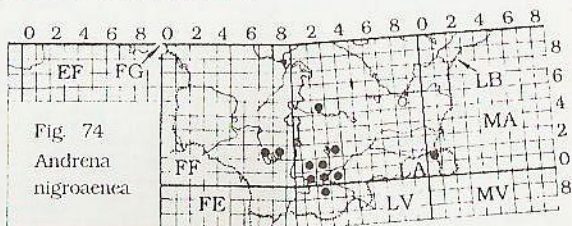
Distribution: temperate Europe (up to 61° N), Caucasus, Turkey, Turkestan, Pamirs.



Andrena (Melandrena) nigroaenea (Kirby, 1802)

Al, Lzd, Prn, Štėn, Vrn, Vilnius, 12(1) squar. (Fig. 74) Štu, EG70, Šreitlaukis /68/, 30.V-6.VII, 15♀, 6.V-VIII, 20♂/1, 70, 75/, on *Potentilla argentea*, *Physocarpus*

opuliifolius, *Taraxacum officinale*, *Senecio vernalis*, *Hieracium pilosella*, *Thymus serpyllum*, *Sedum acre*, *Scorzonera humilis*, *Cerastium arvensis*, *Veronica* sp., *Pyrus* sp., rather rare, more abundant in agricultural-urban



landscape of South Lithuania.

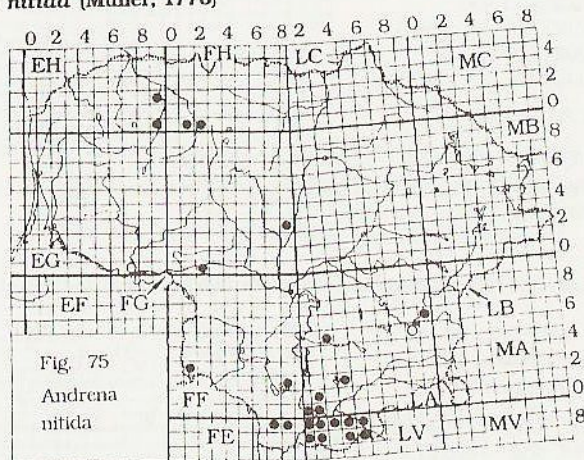
Distribution: Europe (up to 60° N), North Africa, Caucasus, Turkey, Israel, Afghanistan, Iran.

Andrena (Melandrena) nitida (Muller, 1776)

Akm, Al, Jrb, Lzd, Prn, Šl, Štu, Tl, Vlkv, Vrn, Kėdainiai, Kuršėnai, Vilnius, 27(25) squar. (Fig. 75),

22.IV-3.VII, 71♀, 16.IV-2.VII, 47♂/1, 2, 68, 70, 75/, polylectic, more frequently on *Taraxacum officinale*, *Salix* sp. sp., *Arabis arenosa*, *Vaccinium vitidaea*, *Rosa rugosa*, *Hieracium pilosella*, *Physocarpus opuliifolius* etc, rather widely distributed, but more abundant in South Lithuania in the regions, where light soils prevail.

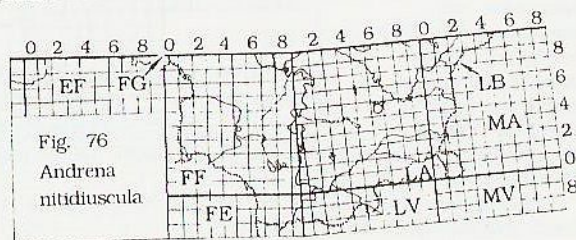
Distribution: Europe (up to 62° N), North Africa, Caucasus, Turkey, Israel, Iran.



Andrena (Notandrena) nitidiuscula Schenck, 1853

Trakai, LA65, 13.16.VIII.1928, ♀♀♂♂ (Fig. 76) /1/.

Distribution: Europe (up to 57° N), North Africa (?), Caucasus, Turkey, Israel, Iran, Japan.

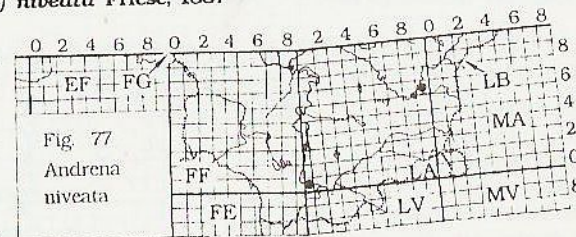


Andrena (Micrandrena) niveata Friese, 1887

Vrn, LA00, Kibyšiai, 24.VI.1985, 18♀; Vilnius, LA96, 6.VII.1976, 1♂ (Jak) (Fig. 77) /70, 72, 75/, Kėdainiai, FG83,

3.VI.1991, 1♀, on *Capsella bursa-pastoris*, unidentified species of *Cruciferae*.

Distribution: temperate Europe (up to 59° N), Caucasus, Turkey, Israel.



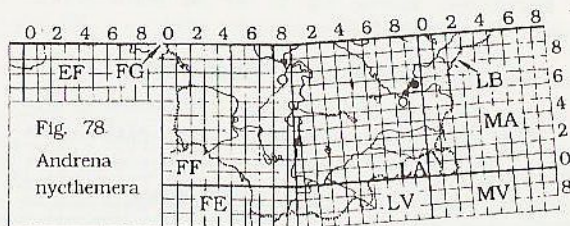
Andrena (Andrena) nycthemera Imhoff, 1866

Kn, FF87, Pajicsys,
5.IV.1927, 1♂ (VUK);
Vilnius, LA96,
27.IV.1977, 1♂ (Bud);
LA85, Paneriai,
24.IV.1932, 1♂, 14.V.1932,
1♀ /1/, 4.5.15.V.1933,

♀ ♀ ♂ ♂ /2/, (Fig. 78),

Mit, MBO3, Suginciai, 27.IV.1976, 1♂ (Pac), on *Salix* sp. sp., *Tussilago farfara*.

Distribution: Europe (between 57° and 45° N).



Andrena (Taeniandrena) ovatula (Kirby, 1802) (= albofasciata Thomson)

Al, Prn, Šl, Ut, V,
Vrn, Trakai, Vilnius,
16(14) squar., 26.V-

25.VIII, 19♀, 27.V-21.VIII,

68♂ (Fig. 79) /1, 2,

70, 75/, usually on

various species of

Leguminosae: Anthyllis

polyphylla, Melilotus

albus, Trifolium sp.

sp., *Sarothamnus*

scoparius etc,

sometimes on *Thymus*

serpyllum, Sedum

acre, Campanula sp.,

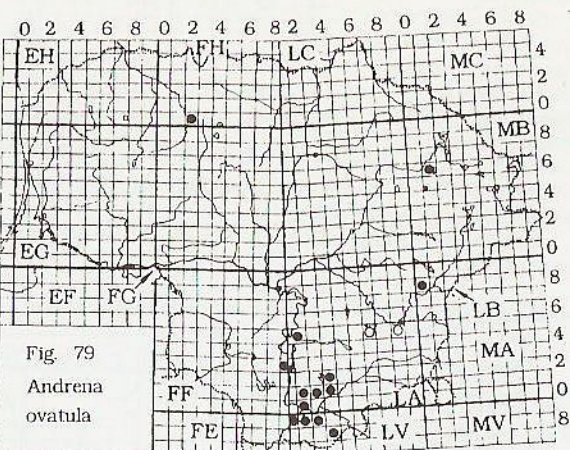
Salix sp., *Arabis*

arenosa, Veronica sp.

Senecio sp. more abundant only in South Lithuanian agricultural-urban landscape.

Distribution: Europe (up to 61° N), North Africa, Caucasus, Turkey, Israel,

Iran, Afghanistan, China, Far East.



Andrena (Plastandrena) pilipes pilipes (Fabricius, 1781) (= carbonaria auct)

Trak, Vrn, Vilnius,
7(5) squar., 5.VI-15.VIII,

5♀, 13.V-15.VIII, 6♂

(Fig. 80) /1, 2, 70,

75/, records before

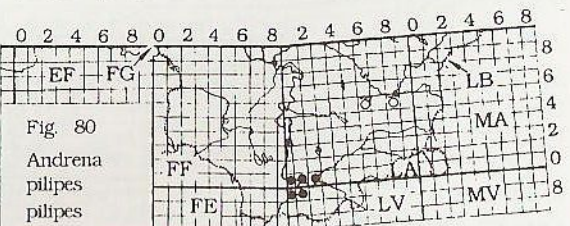
1940 without

subspecific notes, on

Cerasus sp., *Melilotus*

albus, salix sp. sp., *Pyrus* sp., *Hieracium pilosella, Sedum acre, Centaurea*

maculosa, Berteroa incana, discovered only in agricultural-urban landscape.



Distribution: Europe (up to 63° N), North Africa, Caucasus, Turkey, Israel, Iran, Afghanistan, Pamirs, Middle Asia, Baikal, Mongolia, North China.

Andrena (Plastandrena) pilipes carbonaria Fabricius, 1793, nec Linnaeus, 1767 (= praetexta Smith)

Al, Lzd, Vrn, 10(10)
squar. (Fig. 81), Šl,
FG28, Kurtuvėnai, 11.V-

6.VII, 11♀, 23.IV-2.VI,

26♂/70, 75/, on *Salix*

sp. sp., *Cerasus* sp.,

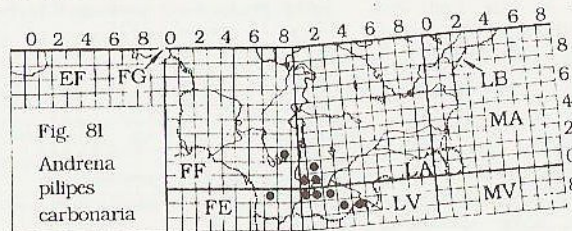
Arabis arenosa,

Taraxacum officinale, Hieracium pilosella, Sedum acre, Trifolium pratense,

discovered in agricultural-urban landscape and in the large forest massifs.

Distribution: temperate Europe (England, North France, Holland, Denmark,

South Sweden, Germany, Austria, Poland, Czechia, West Ukraine, Lithuania).



Andrena (Poecilandrena) potentillae Panzer, 1809

Vilnius, LA85, Paneriai,

17.V.1933, 2♀ (Fig. 82)

/2/, on *Potentilla*

arenaria. A northern

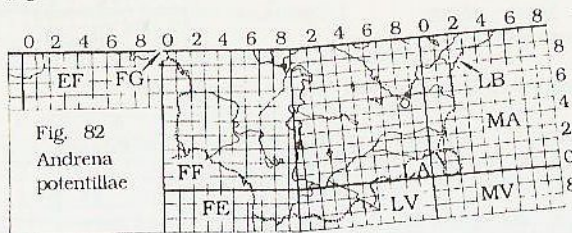
border of the range

passes through South

Lithuania.

Distribution: Europe

(up to 54° N).



Andrena (Andrena) praecox (Scopoli, 1763)

Akm, Al, Ign, Jrb,

Lzd, Prn, Šl, Tl, V,

Vrn, Daugai, Ignalina,

Jieznas, Jonava,

Kėdainiai, Kybartai,

Vilnius, 30(27) squar.

(Fig. 83), 12.IV-3.VI,

348♀, 12.IV-30.V,

126♂/1, 2, 70, 75/,

usually on *Salix* sp.

sp., sometimes on

Acer platanoides,

Tussilago farfara,

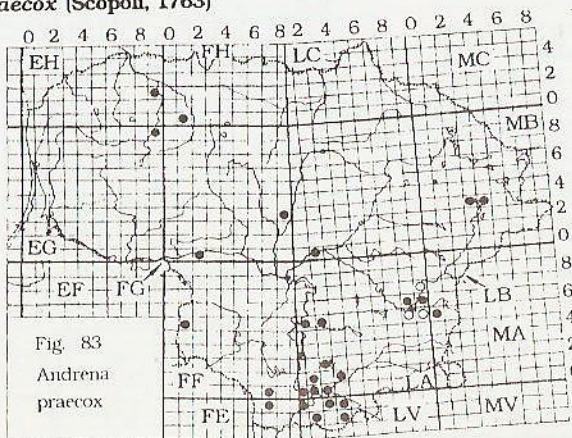
Taraxacum

officinale, widely

distributed, but more

abundant in agricultural-urban landscape, locally in South Lithuania very

abundant.



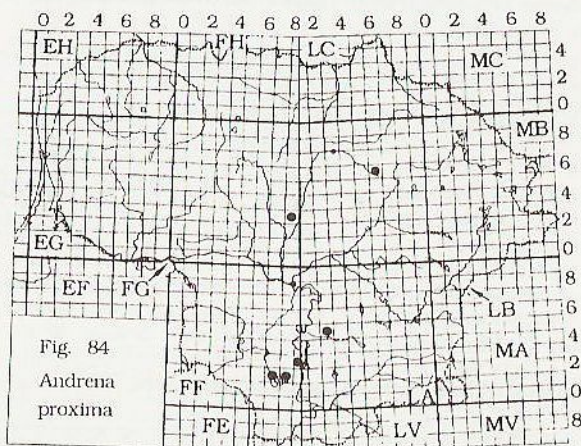
Distribution: Europe (between 63° and 40° N), Caucasus.

***Andrena (Micrandrena) proxima* (Kirby, 1802)**

Al, An, Lzd, Prn, Kėdainiai, 6(6) squar. (Fig. 84), 3.VI-11.VII.

14♀, 3-7.VI, 24♂/70, 74, 75/, usually on various species of *Umbelliferae*, very rare on *Crataegus* sp., some species of *Cruciferae*, discovered only in agrolandscape in the regions, where heavy soils prevail.

Distribution: Europe (up to 57° N), North Africa, Caucasus, Turkey.

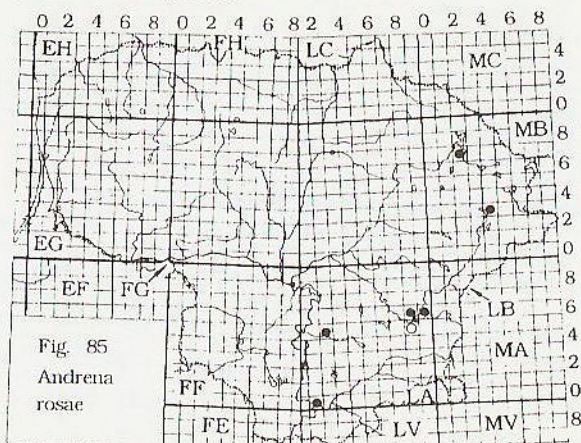


***Andrena (Hoplendrena) rosae* Panzer, 1801**

Prn, V, Vrn, Zr, Ignalina, Vilnius, 7(6) squar. (Fig. 85), 23.IV-17.VII, 4♀, 22.IV-18.V.

5♂ /2, 70, 75/, on *Salix* sp. sp., *Ribes nigrum*, rare in agricultural-urban landscape.

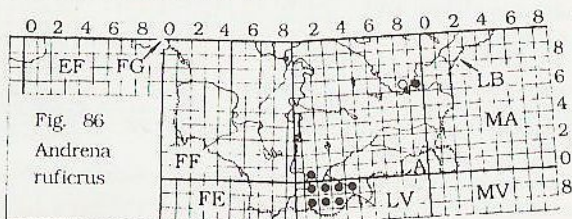
Distribution: Europe (up to 60° N), Caucasus, Turkey, Iran, North Kazakhstan, Baikal, Far East.



***Andrena (Euandrena) ruficrus* Nylander, 1848**

Vrn, Vilnius, 10(9) squar. (Fig. 86), 7.IV-31.V, 18♀, 7.IV-17.V.

45♂/1, 70, 75/, on *Pulsatilla patens*, *Salix* sp. sp., *Tussilago farfara*.



Taraxacum officinale, discovered almost only in the Dainava Sandy Plain's forests.

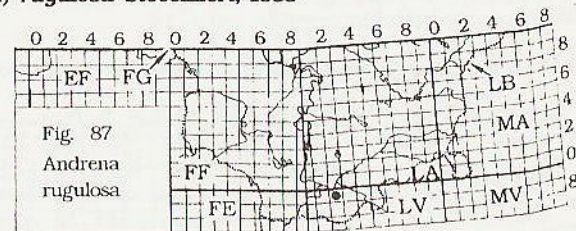
Distribution: Europe (between 70° and 43° N), Japan.

***Andrena (Micrandrena) rugulosa* Stocckhert, 1935**

Vrn, LV29, Kapiniškiai, 19.V.1983, 1♀, 12.IV.1984, 1♀ 1♂, 6.V.1984, 16♀, 19.IV.1985, 1♀ 1♂, 16.V.1985, 1♀, 20.V.1985, 1♀, 20.V.1992,

11♀ (Fig. 87) /70, 72, 76/, on *Alyssum gmelini*, *Salix* sp. The finding place in Lithuania is outside the range of this species. Included in the Red Data Book of Lithuanian fauna.

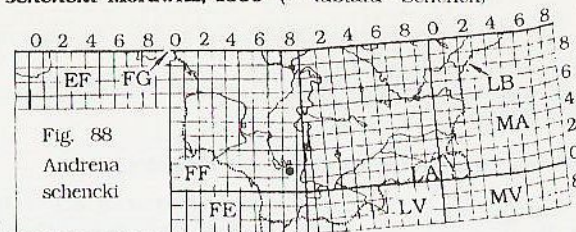
Distribution: Europe (Austria, Hungary, Yugoslavia, Greece, Crimea, South Germany, Czechia and Slovakia, Lithuania), Turkey.



***Andrena (Opandrena) schencki* Morawitz, 1866 (= *labiata* Schenk)**

Lzd, FF81, Gervėnai, 16.VI.1986, 1♀ (Fig. 88) /74/: Šlu, EG70, Šereitlaukis, 8.VII.1933, 1♀ /68/, on *Trifolium pratense*.

Distribution: Europe (up to 57° N), Caucasus, Turkey, Israel, Turkmenistan.

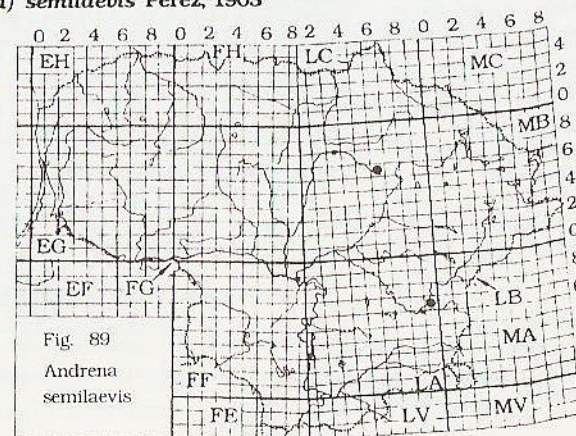


***Andrena (Micrandrena) semilaevis* Perez, 1903**

(=*saundersella* Perkins)

An, LB66, Troškūnai, 21.VII.1984, 1♀: Vilnius, LA96, Verkiai, 12.V.1968, 1♂ (Stan) (Fig. 89) /72/, on *Potentilla erecta*.

Distribution: Europe (between 65° and 44° N, up to 40° E).



***Andrena (Taeniandrena) similis* Smith, 1849**

Not yet known, but reported from Königsberg (Kaliningrad) in Kaliningrad obl. /5/ near the frontier of Lithuania.

Distribution: Europe (up to 63° N), North Africa, Turkey, Israel, Syria, Afghanistan, Kazakhstan.

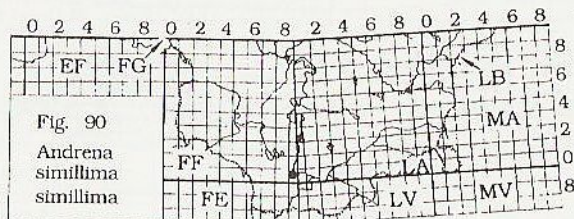
***Andrena (Cnemiandrena) simillima simillima* Smith, 1851**

Lzd, FF90,
Barzdžiūnai, 3.VIII.1986,

3♀ (Fig. 90) /74,

75/, on *Centaurea maculosa*,
Helichrysum arenarium.

Distribution: temperate Europe (up to 60° N), in southern part of the range - in mountains.

***Andrena (Cnemiandrena) simillima bremensis* Alfken, 1900**

Šlu, EG70, Šercitlaukis, 20.VIII.1931, 1♀/68/. An eastern border of the range passes through Lithuania.

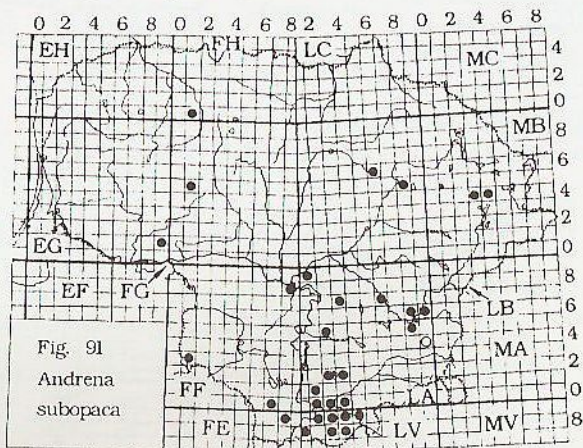
Distribution: Holland, North Germany, Poland, Lithuania, South Sweden, South Finland.

***Andrena (Micrandrena) subopaca* Nylander, 1848**

An, Ign, Klm,
Kn, KŠ, Lzd, Prn, Šl,
Trg, Ut, V, Vlkv,
Vrn, Daugai, Kaunas,
Vilnius, 32(31) squar.
(Fig. 91), 14.IV-16.VII,

164♀, 24.IV-6.VII,
84♂/1, 2, 70, 71, 75/,
polylectic, more
frequently on
Taraxacum officinale,
Veronica chamaedrys,
Potentilla sp. sp.,
Fragaria vesca,
Sedum acre, widely
distributed and
everywhere rather abundant.

Distribution: Europe (between 67° and 40° N), Caucasus, North Kazakhstan, Kamchatka, Far East.

***Andrena (Suandrena) suerinensis* Friese, 1884**

Vrn, LV29,
Marcinkonys,

20.VI.1980, 1♀,

14.VI.1983, 1♂, LA21,

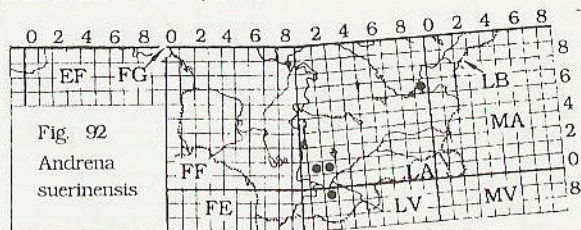
Gudakiemis, 6.VII.1987,

3♀: LAlI, Ilgininkai,

2.VII.1992, 2♀ 16♂,

4.VI.1992, 22♂; Vilnius, LA96, 29.V.1977, 2♂ (Bud) (Fig. 92) /69, 70, 75, 76/, on *Senecio vernalis*, *Sinapis arvensis*, *Taraxacum officinale*, *Tragopogon pratensis*. A northern border of the range passes through South Lithuania. Included in the Red Data Book of Lithuanian fauna.

Distribution: Europe (Spain, France, Switzerland, Germany, Austria, Czechia and Slovakia, Hungary, West Ukraine, Poland, Lithuania), Morocco.

***Andrena (Poliandrena) tarsata* Nylander, 1848**

V, LA94, Korystė

(Korzysc), 3.VIII.1927,

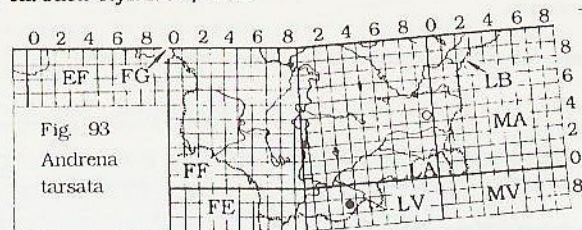
1♂/1; Vrn, LV38,

Čepkeliai, 7.VI.1983,

1♂/70/ (Fig. 93), on

Potentilla argentea,
Rosa canina.

Distribution: Europe
(between 66° and 42°
N).

***Andrena (Melandrena) thoracica* (Fabricius, 1775)**

Lzd, FE89,
Bertašiūnai, 1.V.1993,

2♀: V, LA86, Salotė,

23.IV.1978, 1♂ (Bud);

Vilnius, LA85, Panceriai

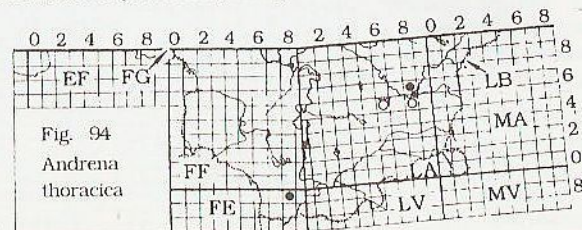
/2/; Trakai, LA65 /1/

(Fig. 94) on

Taraxacum officinale,

Tussilago farfara, *Pulsatilla sp.*, *Salix sp.*

Distribution: Europe (up to 60° N), North Africa, Caucasus, Turkey, Israel, Iran, Siberia, Turkestan, Kazakhstan, Mongolia, China, Korea, Far East.

***Andrena (Plastandrena) tibialis* (Kirby, 1802)**

Al, Jrb, Lzd, Tl, V, Vrn, Kėdainiai, Kuršėnai, Vilnius, 21(18) squar, 6.V-15.VIII, 26♀, 23.IV-24.VI, 17♂ (Fig. 95) /1, 2, 70, 75/, polylectic, 1 generation usually on *Taraxacum officinale*. *Salix sp. sp.*, sometimes on *Arabis*

arenosa, *Malus domestica*, *Hieracium pilosella*, *Senecio vernalis*, *Pyrus sp.*, II generation usually on *Melilotus albus*, *Leontodon autumnalis*, *Fagopyrum sagittatum*, rather widely distributed, but is not abundant.

Distribution: Europe (between 61° and 40° N), Caucasus, Turkey, Iran, North Kazakhstan, Altai, Tien Shan, South Siberia, South Manchuria.

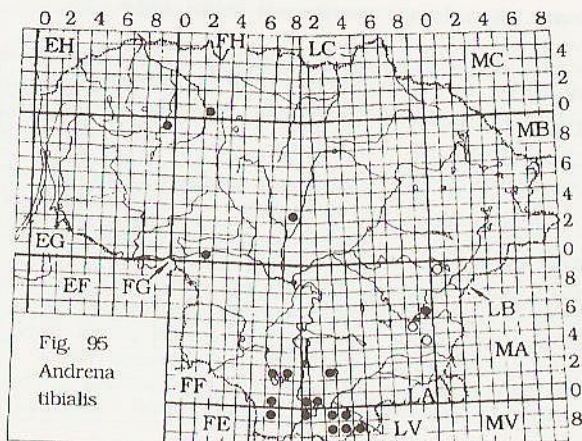


Fig. 95
Andrena tibialis

***Andrena (Cnemiandrena) tridentata* (Kirby, 1802)**

Not yet known, but reported from Latvia /132/, Byelorussia /18/ near Lithuania.

Distribution: Europe (England, Austria, North Italy, France, West Ukraine, Byelorussia, Latvia, Urals).

***Andrena (Melandrena) vaga* Panzer, 1799**

Al, Lzd, Prn, Šl, Tl, Trak, V, Vlkv, Vrn, Daugai, Ignalina, Kaunas, Kuršėnai, Vilnius, 28(26) squar. (Fig. 96), 13IV-27.V,

120♀, 28III-26.V, 181♂/1, 2, 70, 75/, usually on *Salix sp.* sometimes on *Taraxacum*

officinale, *Arabis arenosa*, *Tussilago farfara*, *Pyrus sp.*, widely distributed, but more abundant in the regions, where light soils prevail.

Distribution: Europe (between 66° and 42° N), Caucasus, West Siberia, North-East Kazakhstan.

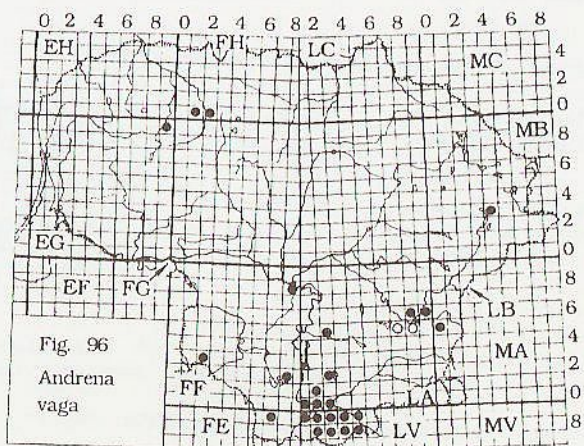


Fig. 96
Andrena vaga

***Andrena (Andrena) varians* (Rossi, 1792) (= *varians* Kirby sensu auct.)**

Al, Lzd, Prn, Vrn, Daugai, Kėdainiai, Kybartai, Vilnius, 13(12) squar. (Fig. 97),

1V-7.VI, 52♀, 14IV-31.V, 44♂/1, 70, 75/, on *Cerasus sp.*, *Pyrus sp.*, *Ribes nigrum*, *Acer platanoides*, *Malus domestica*, *Grossularia reclinata*, *Taraxacum officinale*, *Salix sp.*, *Prunus sp.*, *Crataegus sp.*, *Veronica sp.*, more abundant only locally in the agricultural-urban landscape in the regions, where heavy soils prevail.

Distribution: temperate Europe (up to 60° N).

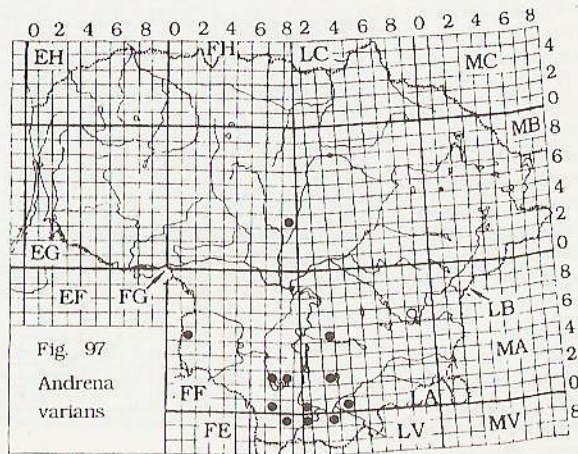


Fig. 97
Andrena varians

***Andrena (Parandrena) ventralis* Imhoff, 1832**

Akm, Al, Jrb, Lzd, Prn, Šl, Tl, V, Vrn, Daugai, Ignalina, Jiezėnas, Kybartai, Kuršėnai, Vilnius, 31(29) squar. (Fig. 98),

12IV-3.VI, 131♀, 12IV-26.V, 404♂/1, 2, 70, 75/, usually on *Salix sp.*, sometimes on *Taraxacum*

of ficinale, *Potentilla arenaria*, *Pulsatilla patens*, *Arabis arenosa*, *Tussilago farfara*, widely distributed, but more abundant in the regions, where light soils prevail, locally very abundant.

Distribution: Europe (up to 58° N), North Africa (?), Caucasus, Turkey, Kazakhstan, North China, Far East.

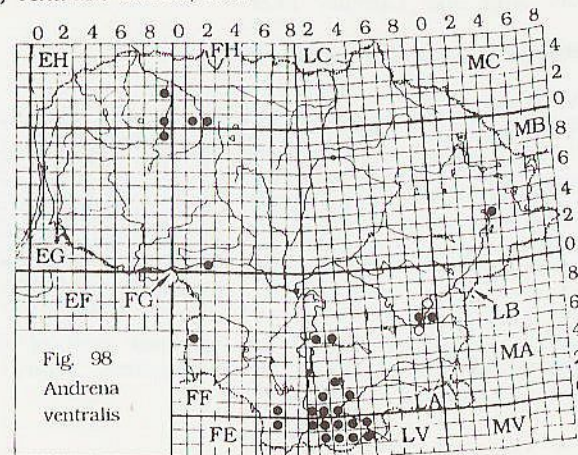


Fig. 98
Andrena ventralis

***Andrena (Taeniandrena) wilkella* (Kirby, 1802)**

Al, Lzd, Prn, Šil, Šlėn, Šlu, Tl, V, Vrn, Ignalina, Jiezėnas, Kaunas, Pasvalys, Trakai, Vilnius, 23(20) squar., 30.V-5.IX, 35♀, 20.V-6.VII, 29♂(Fig. 99)

/1, 68, 70, 75/, usually on various species of Leguminosae, such as *Trifolium pratense*, *T. montanum*, *T. repens*, *T. arvense*, *Lathyrus pratensis*, *Medicago falcata*, *Lotus corniculatus*, *Melilotus albus*, *Onobrychis viciaefolia*, *Anthyllus polyphylla*, sometimes on *Viola montana*, *Hieracium pilosella*, *Thymus pulegioides*, *Echium*

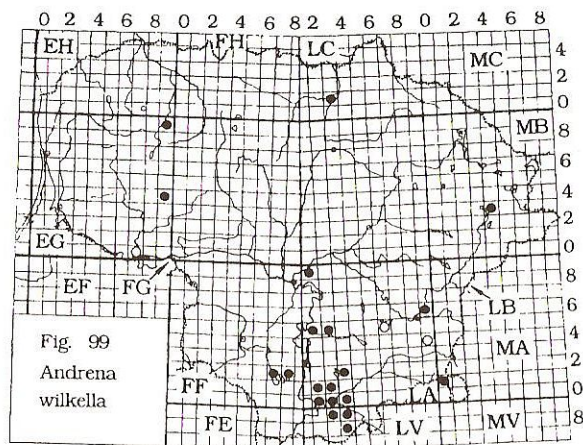


Fig. 99
Andrena wilkella

vulgare, *Stellaria sp.*, *Fragaria vesca*, *Veronica sp.*, *Senecio vernalis*, *Berberis sp.*, *Carum carvi*, rather widely distributed, but is not abundant. Distribution: Europe (up to 63° N), North Africa, Caucasus, Turkey, South Siberia, China, Far East, North America.

Genus *Melitturga* Latreille, 1809

***Melitturga clavicornis* (Latreille, 1806)**

V. MA09, Bališkės, 6.VII.1932, 1♂/1: LA86. Salotė, 23.VI.1979, 1♀ (Bud) /76/ (Fig. 100), on *Medicago falcata*, *Thymus serpyllum*. A northern border of the range passes through Lithuania. Included in the Red Data Book of Lithuanian fauna.

Distribution: Europe (up to 56° N), Caucasus, Turkey, Iran, South Siberia, Mongolia.

Genus *Panurgus* Panzer, 1806

***Panurgus (Panurgus) calcaratus* (Scopoli, 1763)**

An. Prn. Rd. Rk. Šlu. Šr. Švėn. Ut. V. Vrn. Daugai, Ignalina, Kaunas, Trakai, Vilnius, Žagarė, 24(20) squar. (Fig. 101), 13.VII-4.IX, 42♀, 29.VI-26.VIII, 17♂/1, 68, 18, 70, 75/, oligolectic, on various yellow blooms species of

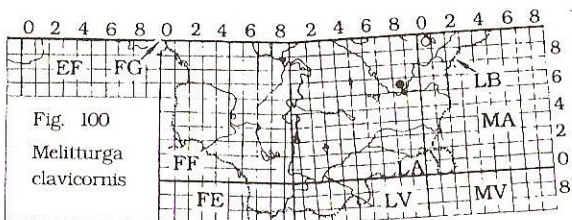


Fig. 100
Melitturga clavicornis

Compositae (*Hieracium pilosella*, *Hieracium sp.*, *Picris hieracioides*, *Leontodon autumnalis*, *Crepis sp.*, *Hypochoeris sp.*, *Calendula officinalis*, rather widely distributed in agricultural-urban landscape, but is not abundant.

Distribution: Europe (up to 64° N), North Africa, Turkey.

Family
HALICTIDAE

Genus *Halictus* Latreille, 1804

***Halictus (Seladonia) confusus perkinsi* Bluthgen, 1926 (= *perkinsi* Bluthgen)**

An, Kn, Lzd, Šlu, Trg, Vrn, Ignalina, Jieznas, Neringa, Vilnius, 25(24) squar. (Fig. 102), 12.IV-18.IX,

340♀, 23.VI-11.IX, 22♂/1, 68, 70, 75/, polylectic, more frequently on *Salix sp. sp.*, *Taraxacum officinale*, *Arabis arenosa*, *Potentilla arenaria*, *P. erecta*, *Antennaria dioica*, *Thymus serpyllum*, *Tragopogon*

pratensis, *Galinsoga parviflora*, abundant in South Lithuanian regions with light soils and in the Curonian Isthmus, elsewhere rare.

Distribution: Europe (between 63° and 42° N), Turkey.

***Halictus (Halictus) eurygnathus eurygnathus* Bluthgen, 1931 (= *tetrazonius* auct: Strand, 1918)**

Lzd, Rk, Šlėn, Šlu, Trak, V, Vrn, Ignalina, Vilnius, 13(8) squar. (Fig. 103),

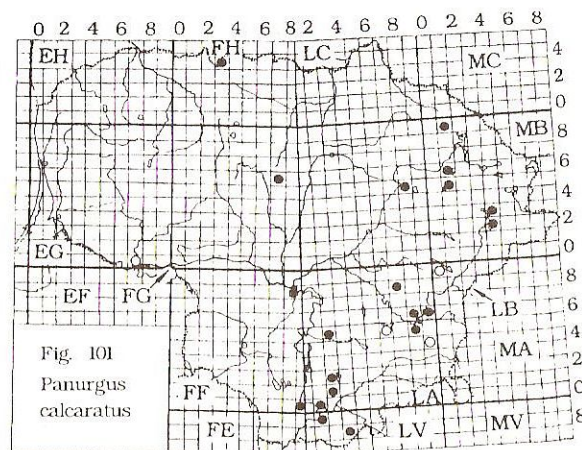


Fig. 101
Panurgus calcaratus

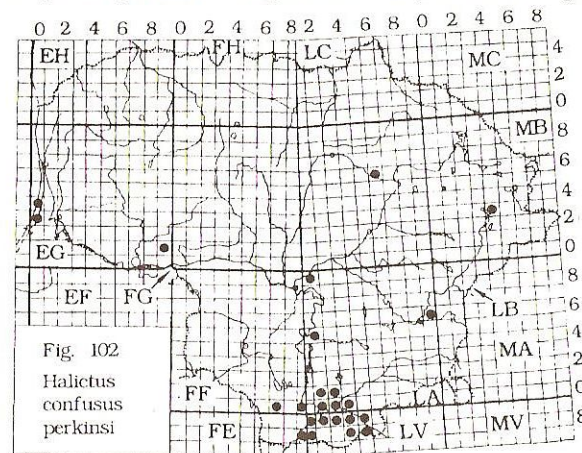


Fig. 102
Halictus confusus perkinsi

3.V-3.VIII, 16♀/1, 68, 125, 75/, on *Taraxacum officinale*, *Centaurea jacea*, *C. maculosa*, *Leontodon autumnalis*, *Pulsatilla patens*, *Geranium sp.*, *Knautia arvensis*, *Senecio vernalis*, rare, discovered in agricultural-urban landscape.

Distribution: Europe (between 57° and 40° N), Caucasus, Turkey.

***Halictus (Seladonia) leucaheneus arenosus* Ebmer, 1976 (= *fasciatus* auct.)**

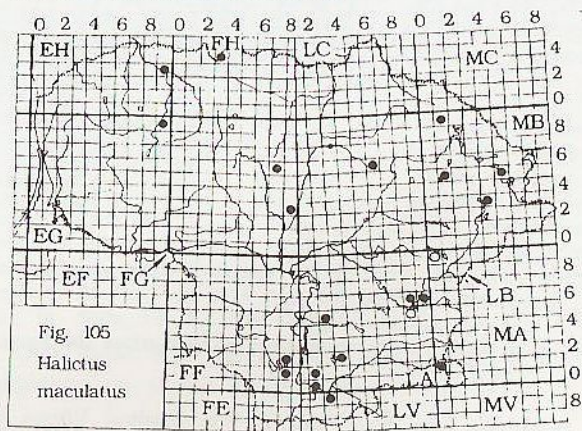
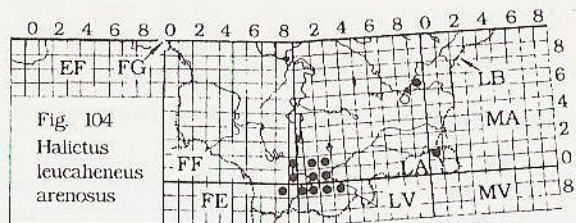
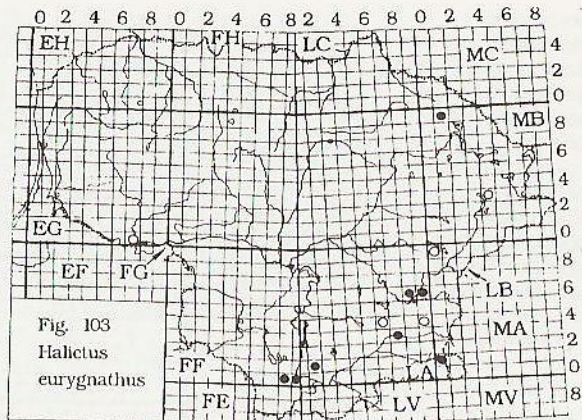
Lzd, Šlėn. Vrn. Vilnius, 14(13) squar. (Fig. 104), 1V-25.VIII,

66♀, 10-25.VIII, 17♂/1, 18, 70, 75/, polylectic, more frequently on *Berteroa incana*, *Inula britanica*, *Sedum acre*, *Veronica chamaedrys*, *Potentilla argentea*, *Helichrysum arenarium*, not rare in South Lithuanian agricultural-urban landscape where light soils prevail.

Distribution: Europe (between 57° and 42° N).

***Halictus (Halictus) maculatus maculatus* Smith, 1848**

Akm, Al, An, Ign, Lzd, Prn, Rd, Rk, Šlėn, Tl, Ut, V, Vrn, Ignalina, Kėdainiai, Vilnius, Žagarė, 22(20) squar. (Fig. 105), 1V-7.VIII, 126♀, 18.VI-25.VIII, 21♂/1, 2, 70, 75/, on *Anthemis tinctoria*, *Ranunculus sp.*, *Cerastium arvensis*, *Hypochoeris radicata*, *Leucanthemum sp.*, *Salix sp. sp.*, *Taraxacum officinale*, *Vicia sp.*, *Tussilago farfara*, *Fragaria vesca*, *Potentilla sp.*,



Tanacetum vulgare etc, widely distribute in the agricultural-urban landscape where heavy soils prevail, locally abundant

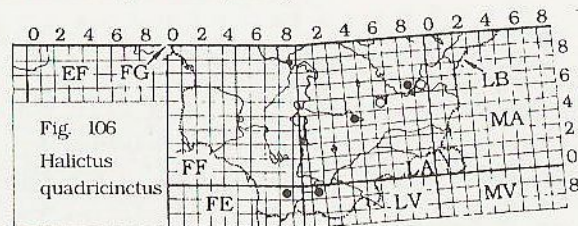
Distribution: Europe (up to 62° N), West Kazakhstan.

***Halictus (Halictus) quadricinctus* (Fabricius, 1776)**

Lzd, Trak, V, Vrn, Trakai, 6(4) squar. (Fig. 106), 21.V-12.VIII,

7♀/1, 70, 75/, on *Centaurea maculosa*, *Taraxacum officinale*, rare in agricultural-urban landscape.

Distribution: Europe (up to 61° N), North Africa, Asia (up to North India and South Manchuria).



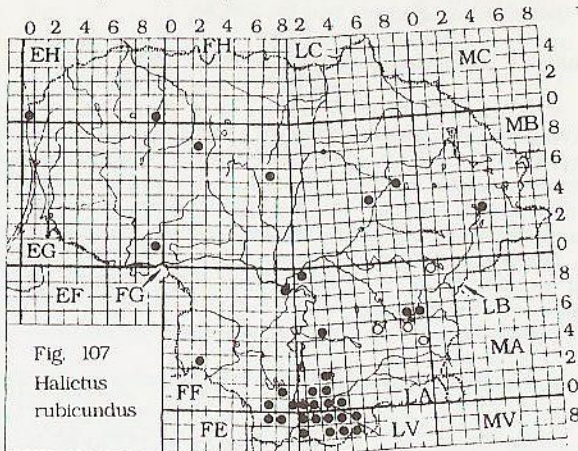
***Halictus (Halictus) rubicundus* (Christ, 1791)**

Al, An, Kn, Lzd, Prn, Rd, Šl, Tl, Trg, V, Vlkv, Vrn, Daugai, Ignalina, Kaunas, Kavarskas, Palanga, Trakai, Vilnius, 39(35) squar. (Fig. 107),

14.IV-25.VIII, 277♀, 25.VI-26.IX, 17♂/1, 2, 70, 75/, polylectic, more frequently on *Taraxacum officinale*, *Salix sp. sp.*, *Arabis arenosa*, *Vaccinium vitis-idaea*, *Potentilla arenaria*, *Senecio vernalis*,

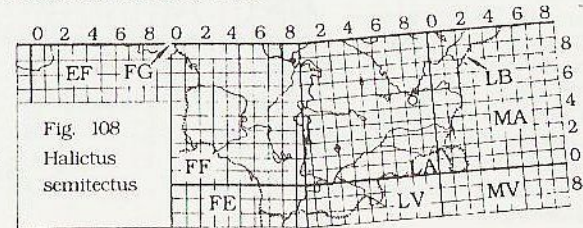
widely distributed, but more abundant in South Lithuania in the regions, where light soils prevail.

Distribution: Europe (up to 68° N), North Africa, Asia (without southern part), North America.



***Halictus (Seladonia) semitectus* Morawitz, 1873**

Vilnius, LA85, Paneriai, 17.V.1933, 2♀ (Fig. 108) /2/, on *Arabis arenosa*. A northern border of the range passes through South Lithuania.



Distribution: Europe (Germany, Austria, Slovakia, Hungary, Poland, Kaliningrad obl, Lithuania, Ukraine, Lower Don, Urals), Caucasus, Afghanistan, West Siberia, Mongolia.

Halictus (Halictus) sexcinctus sexcinctus (Fabricius, 1775)

Lzd. Prn. Šlėn. Šlu, Šr. V. Vrn, 17(16) squar. (Fig 109), Štu. EG70, Šreitlaukis /68/.

16.V-17.VIII, III♀, 17.VII-26.VIII, 16♂/69, 70, 75/.

usually on various species of *Compositae*, *Dipsacaceae* (*Hieracium pilosella*, *Scabiosa ochroleuca*, *Hypochaeris radicata*, *Centaurea maculosa*, *Knautia arvensis*, *Taraxacum officinale*, *Anthemis tinctoria*) and *Jasione montana*, *Anchusa officinalis*, more abundant in the regions, where light soils prevail.

Distribution: Europe (up to 58° N)

Halictus (Halictus) simplex Bluthgen, 1923

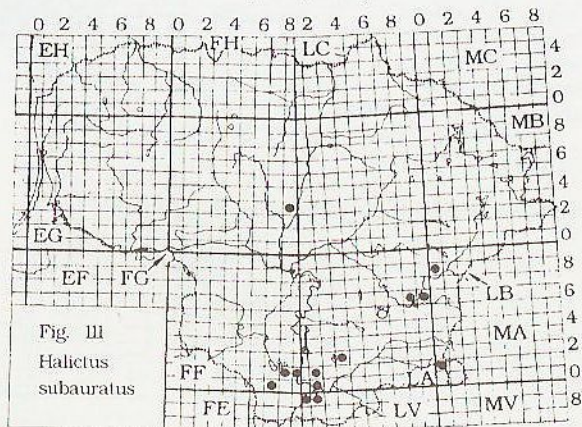
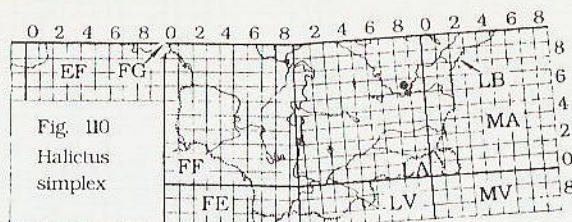
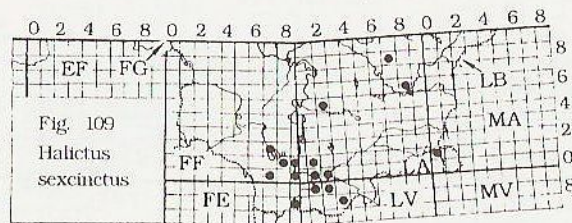
V. LA85, Salotė, 26.VIII.1977, 1♂ (Bud) (Fig 110) /74/. A northern border of the range passes through South Lithuania.

Distribution: Europe (up to 55° N), Caucasus, Turkey, Iran, North-East Kazakhstan.

Halictus (Seladonia) subauratus subauratus (Rossi, 1792)

Lzd. Šlėn. V. Vrn, Kėdarniai, Trakai, Vilnius, 14(13) squar. (Fig 111), 30.V-17.IX,

49♀, 21-25.VIII, 5♂/1, 70, 75/, on *Hieracium pilosella*, *Euphrasia* sp., *Berteroa incana*, *Thymus serpyllum*, *Secum acre*, *Trifolium repens*, *Centaurea* sp., *Echium vulgare*, *Potentilla* sp., *Anthemis tinctoria*, *Tanacetum vulgare*, *Helichrysum*



arenarium, it is not abundant in the agricultural-urban landscape.

Distribution: Europe (up to 57° N), Caucasus, Turkey, Israel, Altai, Uzbekistan, Tadjikistan, North India.

Halictus (Seladonia) tumulorum tumulorum (Linnaeus, 1758)

Al, An, Ign, Jrb, Klm, Kn, Kš, Lzd, Mlt, Prn, Rd, Rk, Skd, Šl, Šlėn, Šlu, Tl, Trg, V, Vlkv, Vrn, Ignalina, Kaunas, Kėdarniai, Kuršėnai, Neringa, Pasvalys, Trakai, Vilnius, Žagarė, 64(59) squar. (Fig 112), 16.IV-20.IX,

363♀, 25.VI-30.IX, 88♂/1, 2, 5, 68, 70, 75/, polylectic, more frequently on *Taraxacum*

officinale, *Hieracium pilosella*, *Inula britannica*, *Galinsoga parviflora*, *Matricaria inodora*, *Cerastium* sp., *Potentilla* sp., *Veronica* sp., *Salix* sp. sp., *Tanacetum vulgare*, *Lamium album* etc, very widely distributed, but more abundant in the regions, where heavy soils prevail.

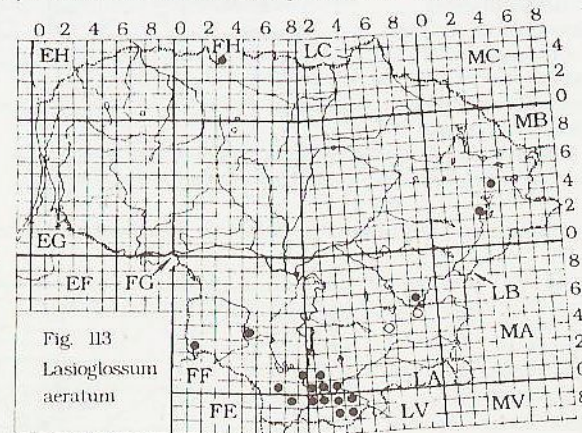
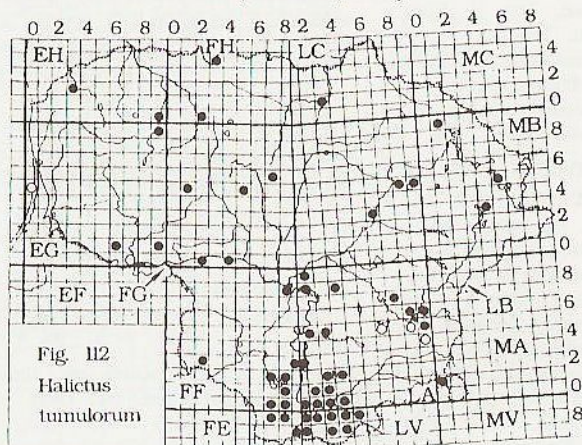
Distribution: Europe (up to 67°N), Caucasus, Turkey, Iran, Baikal, Mongolia.

Genus *Lastoglossum* Curtis, 1833 (= *Halictus* Latr. s. l. partim)

Lasioglossum (Evyllaes) aeratum aeratum (Kirby, 1802) (= viridiaeneum Bluthgen)

Ign, Lzd, Švnė, Trak, V, Vlkv, Vrn, Marijampolė, Vilnius, Žagarė, 21(19) squar. (Fig 113), 29.IV-19.VIII, 80♀ /1, 2, 70, 75/, polylectic, more frequently on *Thymus serpyllum*, *Hieracium pilosella*, *Veronica* sp., *Potentilla* sp., etc, more abundant in South Lithuania in the regions, where light soils prevail.

Distribution: Europe (up to 61° N), Caucasus, Turkey, North-West and South-East Kazakhstan.



***Lasioglossum (Evylaeus) albipes* (Fabricius, 1781)**

Al. An. Ign. Klm.
Kn. Kš. Lzd. Prn. Rd.
Rk. Šl. Štu. Švnč. Tl.
Trak. Trg. V. Vlkv.
Vrn. Daugai.
Druskininkai, Jieznas.
Kėdainiai, Trakai.
Vilnius, Visaginas.
53(49) squar. (Fig. 114).
28IV-27IX, 883♀, 12VII-
30IX, 75♂/l. 2, 68, 70,
71, 75%, polylectic,
more frequently on
Hieracium pilosella,
Taraxacum officinale,
Senecio vernalis,
Veronica sp.

Antennaria dioica, *Potentilla sp. sp.*, *Centaurea sp.*, *Vaccinium v-idaea*,
Hypochoeris radicata etc, widely distributed, but more abundant in the
regions, where light soils prevail, especially in the Dainava Sandy Plain.
Distribution: Europe (between 68° and 40° N), Siberia, Turkestan, North
China, Far East.

***Lasioglossum (Lasioglossum) alinense* (Cockerell, 1924) (= *gorkiense* Bluthgen)**

Prn. LA25,
Třešonys, 30.VI.1986, 1♀
(Fig. 115) /74, 75, 76/,
on unidentified
yellow bloom species
of *Compositae*. A
western border of the
range passes through Lithuania. Included in the Red Data Book of
Lithuanian fauna.

Distribution: North-East China, South-East Siberia, Far East, Europe (only
two finding places in East Byelorussia and Lithuania).

***Lasioglossum (Evylaeus) brevicorne brevicorne* (Schenck, 1868)**

Al. Kš. Vrn. 10(10)
squar. (Fig. 116), 27.V-
30IX, 103♀, 22.VII-
27IX, 3♂/69, 70, 75/.,
usually on various
yellow bloom species
of *Compositae*
(*Hieracium pilosella*,

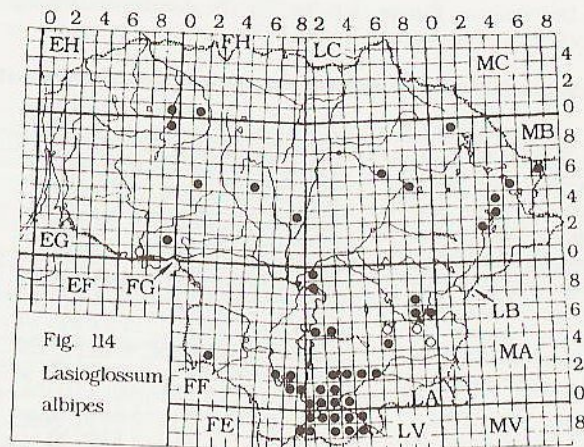


Fig. 114

Lasioglossum
albipes

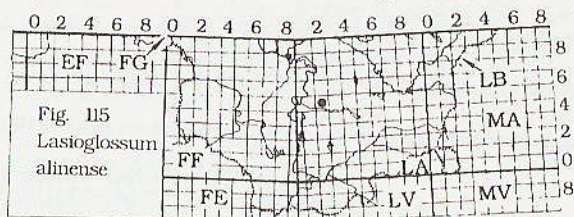


Fig. 115

Lasioglossum
alinense

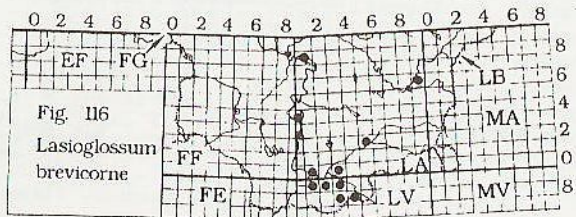


Fig. 116

Lasioglossum
brevicorne

Hypochoeris sp., *Leontodon autumnalis* etc), more abundant in Dainava
Sandy Plain. A northern border of the range passes through Lithuania.
Distribution: Europe (up to 56° N), North Africa, Turkey, Afghanistan.

***Lasioglossum (Evylaeus) brevicorne aciculatum* (Bluthgen, 1930)**

Vilnius, LA96, 25.VI.1978, 1♀ (Bud.) (Fig. 116), on *Taraxacum officinale*.

Distribution: Europe (Kaliningrad obl., Lithuania, Poland, Switzerland,
Czechia, West Ukraine), Afghanistan.

***Lasioglossum (Evylaeus) calceatum calceatum* (Scopoli, 1763)**

Akm. Al. An. Jrb.
Kn. Kš. Lzd. Mlt. Prn.
Rd. Rk. Skd. Šl. Šln.
Štu. Tl. Trak. V. Vlkv.
Vrn. Dūkštas, Ignalina,
Kaunas, Kelmė,
Kėdainiai, Trakai,
Vilnius, 49(45) squar.
(Fig. 117), 12IV-24IX,

210♀, 8.VII-17IX, 77♂/l.
2, 70, 75%, polylectic,
more frequently on
various yellow bloom
species of *Compositae*
(*Taraxacum*
officinale, *Senecio sp.*,

Hypochoeris radicata), *Acer platanoides*, *Salix sp.*, widely distributed, but
more abundant in agricultural-urban landscape, where heavy soils prevail.
Distribution: Europe (between 69° and 40°N), Asia (without southern part).

***Lasioglossum (Evylaeus) calceatum rubens* (Smith, 1854)**

Lzd. Šl. Vrn.
Neringa, 13(12) squar.
(Fig. 118), 12IV-27IX,

105♀, ♂♂-
unidentified /68/,
polylectic, more
frequently on
Taraxacum officinale,
Arabis arenosa,
Hieracium pilosella etc,
discovered almost only
in Dainava Sandy
Plain and in the
Curonian Isthmus.

Distribution: more
abundant in Eurasian
steppes from East Europe till Mongolia

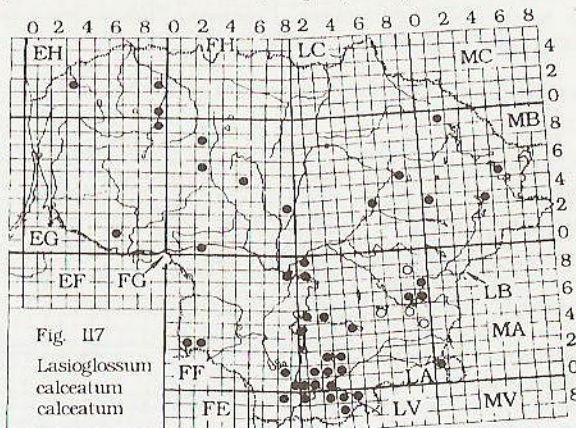


Fig. 117

Lasioglossum
calceatum
calceatum

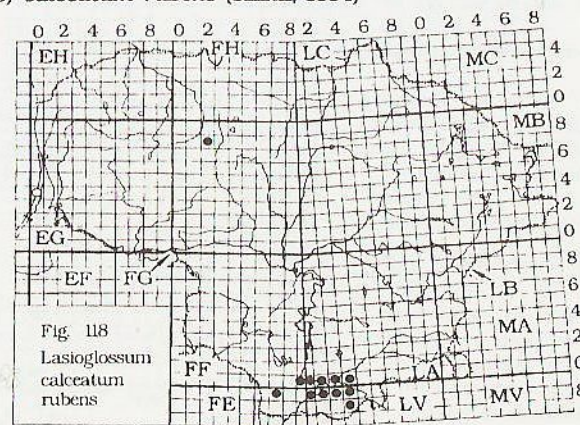


Fig. 118

Lasioglossum
calceatum
rubens

***Lasioglossum (Lasioglossum) costulatum* (Kriechbaumer, 1873)**

Vrn. LV29,
Marcinkonys, 20.VI.1982,
1♀; Kapiniškiai,
11.VIII.1983, 1♂ (Fig. 119)
/69, 70/, on *Hieracium pilosella*, *Campanula rotundi folia*.

Distribution: Europe (up to 56° N), North Africa, Caucasus, Turkey, Iran, Kazakhstan, South Siberia up to Baikal.

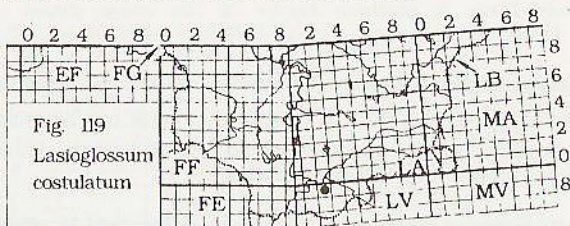


Fig. 119
Lasioglossum costulatum

***Lasioglossum (Evylaeus) fratellum fratellum* (Perez, 1903)**

Pln. Rd, Šl, Trg,
Vrn. Vilnius, 13(12)
suar. (Fig. 120), 22.IV-
20.VI 68♀, 29.VIII,
1♂/1, 70, 75/, polylectic,
more frequently on
Vaccinium vitis-idaea,
Geum rivale,
Taraxacum officinale,
Ranunculus sp.,
discovered in forest
and forest bogs
landscape, especially in
Dainava Sandy Plain.

Distribution: Europe (between 69° and 42° N, up to 32° E, in southern part in the mountains), Caucasus.

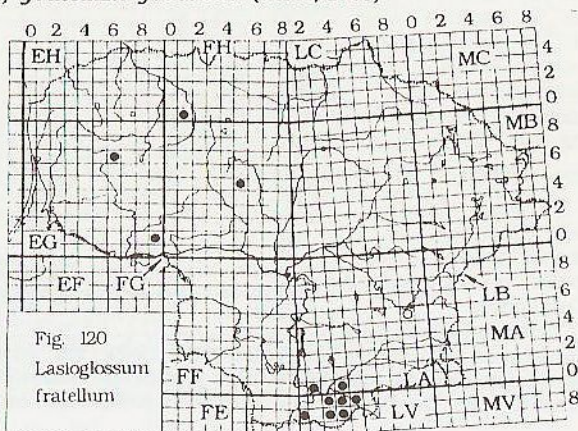


Fig. 120
Lasioglossum fratellum

***Lasioglossum (Evylaeus) fulvicorne fulvicorne* (Kirby, 1802)**

Akm, Al, An, Jrb,
Klm, Kn, Lzd, Prn,
Rs, Tl, V, Vlkv, Vrn,
Jieznas, Pasvalys,
Vilnius, 33(32) suar.
(Fig. 121), 12.IV-25.VIII,
268♀, 3.VII-16.IX, 87♂/1,
2, 70, 75/, polylectic,
more frequently on
Taraxacum officinale,
Salix sp. sp.,
Origanum vulgare,
Solidago v-aurea,
Potentilla sp. sp.,
Melilotus albus,

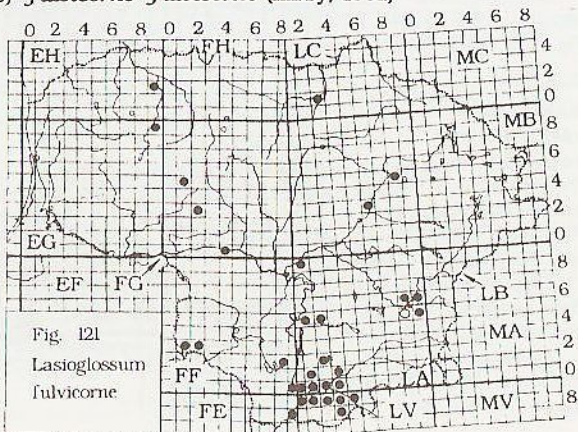


Fig. 121
Lasioglossum fulvicorne

Senecio sp., *Myosotis stricta*, *Galinsoga parviflora*, *Veronica* sp., widely distributed, but more abundant in agricultural-urban landscape, where heavy soils prevail.

Distribution: Europe (between 64° and 42° N), Caucasus.

***Lasioglossum (Evylaeus) intermedium* (Schenck, 1868)**

Klm, FG15,
Pakražantis, 15.V.1989,
2♀; V, LA86, Salotė,
1.V.1978, 1♀ (Bud);
Vrn, LA10, Merkinė,
19.VI.1974, 1♀ (Jak);
Vilnius, LA85,
Paneriai (Fig. 122)
/2/, on *Taraxacum officinale*, *Arabis arenosa*.

Distribution: Europe (up to 58° N and 30° E), Caucasus, Turkey, Iran.

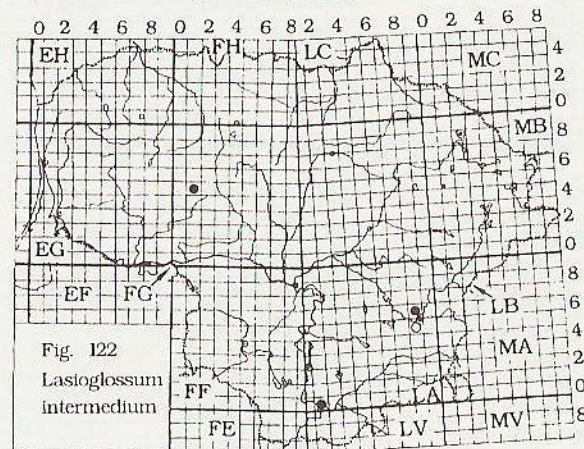


Fig. 122
Lasioglossum intermedium

***Lasioglossum (Evylaeus) laeve* (Kirby, 1802)**

Prn, Rk, Trak,
Vrn, 6(5) suar. (Fig.
123), 17.V-16.IX, 11♀,
11.VII, 2♂/1, 70, 75/,
on various yellow
bloom species of
Compositae (*Hypochoeris radicata*, *Hieracium pilosella*, *Taraxacum officinale* etc), rare, only locally more abundant. A northern border of the range passes through Lithuania.

Distribution: temperate Europe (up to 56° N), Israel, Syria, Iran.

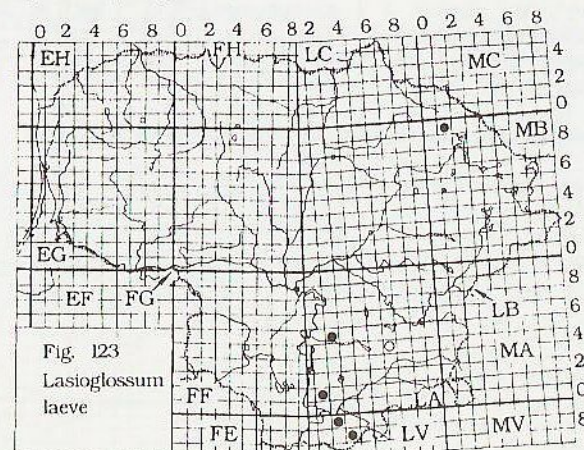


Fig. 123
Lasioglossum laeve

***Lasioglossum (Lasioglossum) laevigatum* (Kirby, 1802)**

Kn, LA19, Lapės, 18.V.1989, 2♀; Prn, LA25, Anglininkai, 19.V.1985, 1♀

(Fig. 124) /72, 75/, on *Malus domestica*, *Crataegus* sp., *Veronica* sp. A northern border of the range passes through South Lithuania.

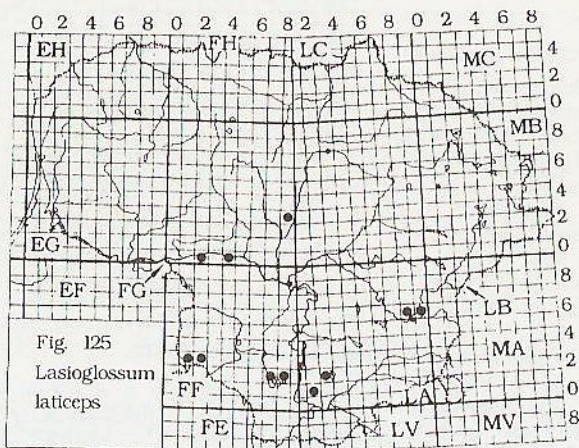
Distribution: Europe (up to 55° N), Caucasus, Turkey, Iran.



***Lasioglossum (Evylaeus) laticeps laticeps* (Schenck, 1868)**

Al, Jrb, Lzd, V, Vlkv, Vrn, Daugai, Kėdainiai, Vilnius, 13(11) squar. (Fig. 125), 14.IV-26.VIII, 91♀ /74/, on *Salix* sp. sp., *Taraxacum officinale*, *Senecio vernalis*, *Campanula persici folia*, *Fragaria vesca*, discovered in agricultural-urban landscape, where heavy soils prevail.

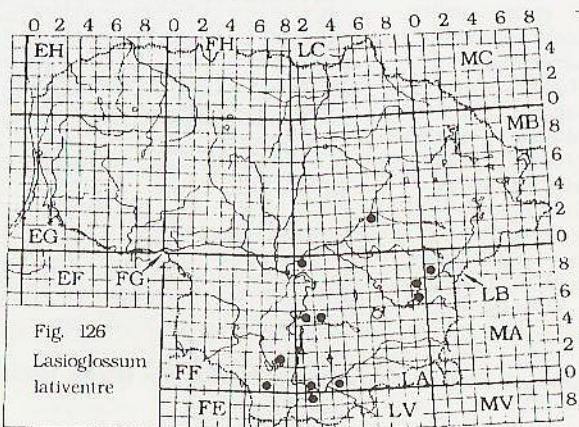
Distribution: Europe (between 57° and 42° N, up to 36° E).



***Lasioglossum (Lasioglossum) lativentre* (Schenck, 1853)**

Al, Kn, Lzd, Prn, V, Vrn, Trakai, Ukmergė, Vilnius, 13(12) squar. (Fig. 126), 10.V-25.VII, 21♀, 23.VII-9.IX, 3♂/1, 70, 75/, on *Trifolium pratense*, *Medicago lupulina*, *Armeria elongata*, *Leontodon autumnalis*, *Thymus serpyllum*, *Taraxacum officinale*, *Veronica* sp., rather rare in the agricultural-urban landscape.

Distribution: Europe (up to 60° N), Caucasus, Turkey, Iran.

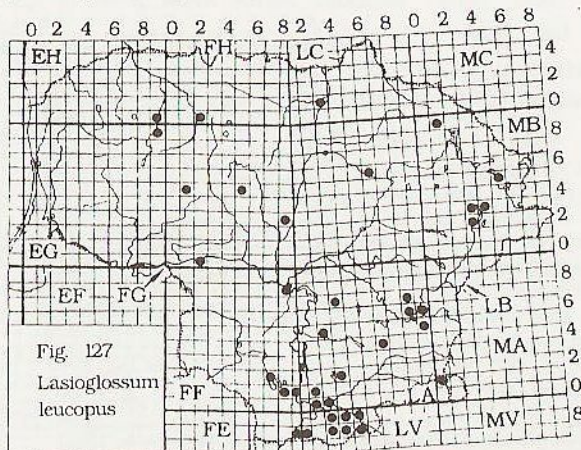


***Lasioglossum (Evylaeus) leucopus* (Kirby, 1802)**

An, Ign, Jrb, Klm, Kn, Kš, Lzd, Prn, Rd, Rk, Šlėn, Švėnė, Tl, Trak, V, Vrn, Druskininkai, Kaunas, Kėdainiai, Kuršėnai, Pasvalys, Vilnius, 38(38) squar. (Fig. 127),

13.V-17.X, 155♀, 25.VI-27.IX, 22♂/69, 70, 75/, polylectic, more frequently on *Hieracium pilosella*, *H. umbellatum*, *Veronica chamaedrys*, *Potentilla argentea*, *P. erecta*, *P. arenaria*, *Hypochoeris radicata*, *Taraxacum officinale*, *Fragaria vesca*, *Cerastium arvensis*, *C. semidecandrum*, *Leontodon autumnalis*, *Berteroa incana*, *Dianthus deltooides*, widely distributed, but more abundant in the regions, where light soils prevail.

Distribution: Europe (up to 65° N), Turkey, Iran, West Siberia.



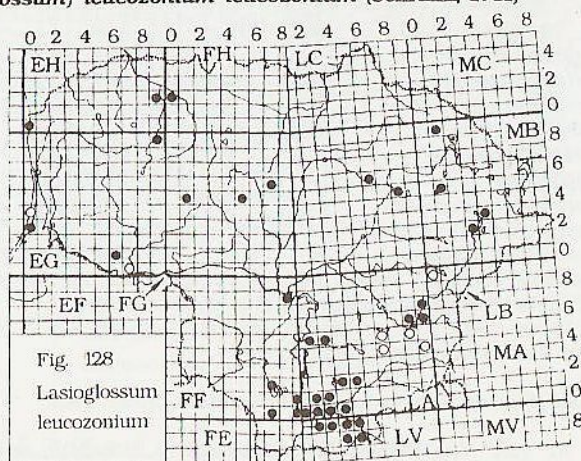
***Lasioglossum (Lasioglossum) leucozonium* (Schrank, 1781)**

Akm, An, Klm, Lzd, Prn, Rd, Rk, Šlu, Švėnė, Tl, Trak, Ut, V, Vrn, Ignalina, Kaunas, Neringa, Palanga, Trakai, Vilnius, 46(39) squar. (Fig. 128), 15.V-19.IX,

425♀, 20.VII-30.IX, 52♂/1, 2, 68, 18, 125, 70, 75/, usually on various yellow blooms species of *Compositae* (*Hieracium* sp. sp., *Hypochoeris radicata*, *Leontodon autumnalis*,

Tragopogon pratensis, *Inula* sp., *Taraxacum officinale*, *Solidago v-aurea*), sometimes on *Knautia arvensis*, *Centaurea* sp., *Trifolium* sp. sp., *Convulvolus arvensis*, *Potentilla* sp., *Dianthus* sp., *Medicago falcata*, *Cichorium intybus*, *Ranunculus* sp., widely distributed, but more abundant in the regions, where light soils prevail, especially in the Dainava Sandy Plain.

Distribution: Europe (between 64° and 42° N), North Kazakhstan.



***Lasioglossum (Evylaeus) lineare* (Schenck, 1868)**

Lzd. FE89.

Bertašiūnai, 1.V.1993, 1♀;
Ignalina, MB43, 5.V.1987,
1♀. (Fig. 129) on *Salix*
sp., *Taraxacum*
officinale. New species
to Lithuania. A
northern border of the
range pass through
Lithuania.

Distribution: Central
and South-East Europe
(up to 55° N), Israel,
Turkey, Iran.

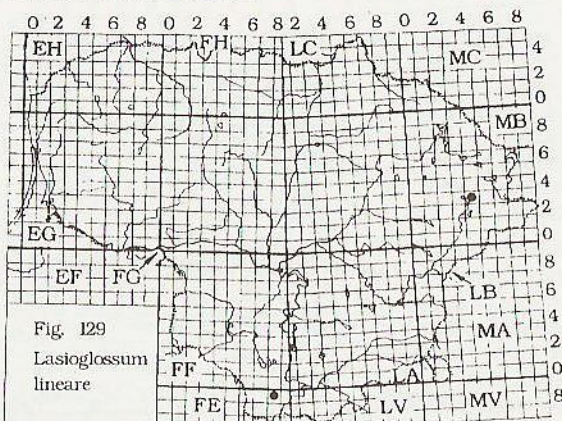


Fig. 129
Lasioglossum
lineare

***Lasioglossum (Evylaeus) lucidulum* (Schenck, 1861)**

Akm, Ign, Lzd, Šlėn,
Štu, V, Vrn,
Druskininkai, Kuršėnai,
Vilnius, 19(16) squar.
(Fig. 130), 16.V-16.IX,

56♀, 21.VIII-2.IX, 2♂/1, 2,
68, 70, 75%, on
Thymus serpyllum,
Berteroa incana,
Hieracium sp.,
Potentilla argentea,
Jasione montana,
Hypochoeris sp.,
Leontodon autumnalis,
Taraxacum officinale,
Tanacetum vulgare,

Anthemis tinctoria, rather rare, more abundant in South Lithuanian agricultural-urban landscape in the regions, where light soils prevail.

Distribution: Europe (up to 65° N), North Africa, Turkey, Afghanistan, Iran, Turkestan, China, Mongolia.

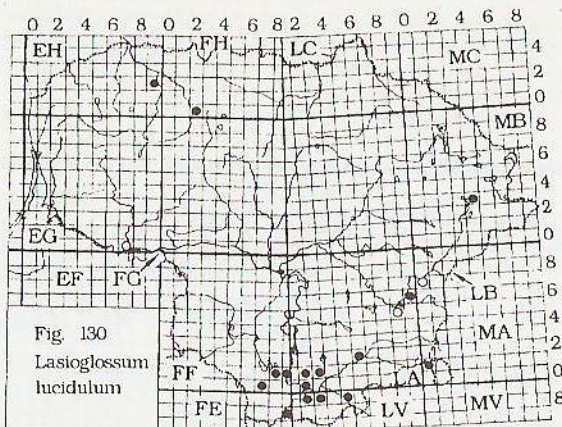


Fig. 130
Lasioglossum
lucidulum

***Lasioglossum (Evylaeus) minutissimum* (Kirby, 1802)**

Al, Lzd, Vrn, Vilnius,
8(8) squar, 6.V-24.VII

11♀ (Fig. 131) /70, 72,
75%, on *Veronica sp.*,
Alyssum gmelini,
Myosotis stricta,
Berteroa incana,
everywhere rare. A

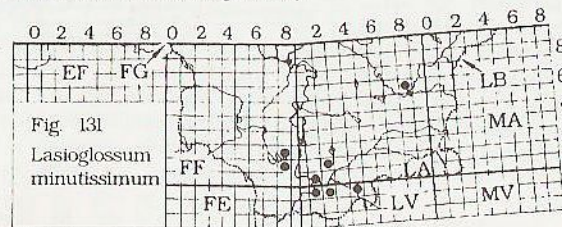


Fig. 131
Lasioglossum
minutissimum

northern border of the range passes through Lithuania.

Distribution: Europe (up to 56°N), North Africa, Caucasus, Turkey, Israel.

***Lasioglossum (Evylaeus) morio morio* (Fabricius, 1793)**

Akm, Al, An, Ign,
Kn, Lzd, Prn, Rd, Skd,
Tl, V, Vrn, Birštonas,
Kėdainiai, Trakai,
Vilnius, 31(29) squar.
(Fig. 132), 30.IV-5.X,

193♀, 4.VII-2.X, 14♂/1, 2,
70, 75%, polylectic, more
frequently on *Cerastium*
arvensis, *Campanula*
rapunculoides,
Taraxacum officinale,
Veronica sp., *Thymus*
pulegioides, *Arabis*
arenosa, *Fragaria vesca*,
widely distributed, but
more abundant in agricultural-urban landscape.

Distribution: Europe (up to 61° N), Caucasus, Turkey.

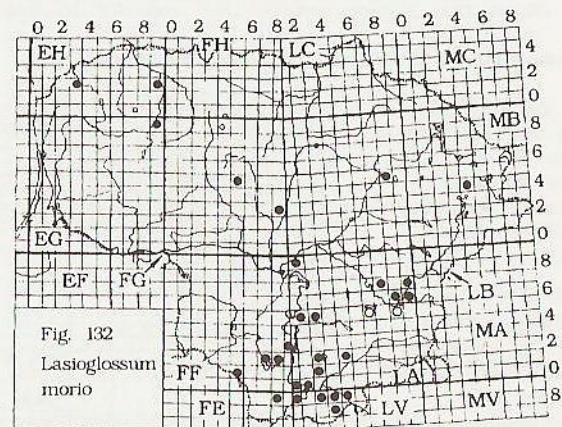


Fig. 132
Lasioglossum
morio

***Lasioglossum (Evylaeus) nitidiusculum nitidiusculum* (Kirby, 1802)**

Al, Jnš, Kn, Lzd, Pn,
Rk, Štu, V, Vrn,
Kėdainiai, Pasvalys,
Vilnius, 14(12) squar. (Fig.
133), 12.V-24.VIII, 11♀,
22.VII-12.VIII, 5♂/2, 68%, on
Tussilago farfara,
Senecio vernalis, rare,
more abundant in
agricultural-urban
landscape, where heavy
soils prevail.

Distribution: Europe
(up to 62° N), North
Africa, Iran,
Turkmenistan, Tadzhikistan.

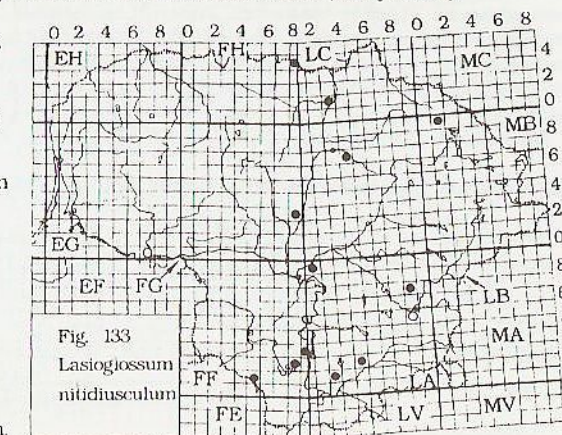


Fig. 133
Lasioglossum
nitidiusculum

***Lasioglossum (Evylaeus) nitidulum aeneidorsum* (Alfken, 1921)**

(= *aeneidorsum* Alfken)

Not yet known, but reported from Rossitten (Rybatschi) in Kaliningrad obl. /68/, Klein Guja (Szymanowizna) in Poland /68/ and Grodno (Byelorussia) /1/ near the frontier of Lithuania.

Distribution: Central and East Europe (between 55° and 42° N, up to 12° E).

***Lasioglossum (Evylaeus) parvulum* (Schenck, 1853) (= *minutum* Kirby)**

Not yet known, but reported from Rossitten (Rybatzchi) in Kaliningrad obl. /68/ near the frontier of Lithuania.

Distribution: Europe (between 56° and 40° N), Iran.

***Lasioglossum (Evylaeus) pauxillum* (Schenck, 1853)**

Al. An. Ign. Jrb.
Kn. Kš. Lzd. Mlt.
Prn. Rk. Švnč. V.
Vrn. Ignalina,
Kaunas, Kėdainiai,
Pasvalys, Vilnius,
26(25) squar. (Fig.

134), 24.IV-16.IX, 185♀.

11.VII-7.IX, 119♂/1. 2.

70, 75%, polylectic,

usually on various

species of

Compositae

(*Taraxacum*

officinale,

Matricaria inodora,

Tanacetum vulgare,

Leucanthemum vulgare, *Anthemis tinctoria*), sometimes on *Campanula* sp.

Cerastium arvense, *Thymus pulegioides*, *Ajuga reptans*, *Salix* sp. sp.

Crataegus sp., *Veronica* sp., *Geum rivale*, rather abundant in the

agricultural-urban landscape, where heavy soils prevail, locally very

abundant.

Distribution: Europe (up to 57° N), North Africa, Caucasus, Iran.

***Lasioglossum (Lasioglossum) prasinum* (Smith, 1848)**

Vrn. LV28,

Musteika, 15.VII.1978,

2♀ (lv); LV38, Čepkeliai,

22.VIII.1974, 2♂ (Jak),

14.VIII.1976, 2♂,

16.V.1982, 2♀, 6.VI.1984,

1♀; LV29,

Marcinkonys, 3.VII.1981, 2♀; Kapiniškiai, 6.V.1984, 1♀, 3.VII.1985, 1♀; LV39,

Lynežeris, 20.VIII.1974, 1♂ (Jak) (Fig. 135) /69, 70, 76/, on *Solidago v-aurea*,

Hypericum perforatum, *Potentilla arenaria*, *Alyssum gmelini*, *Vaccinium*

vitis-idaea, *Tragopogon pratensis*, only in forests and forest bogs landscape.

An eastern and northern borders of the range passes through South

Lithuania. Included in the Red Data Book of Lithuanian fauna.

Distribution: Europe (up to 54° N and 24° E), North Africa.

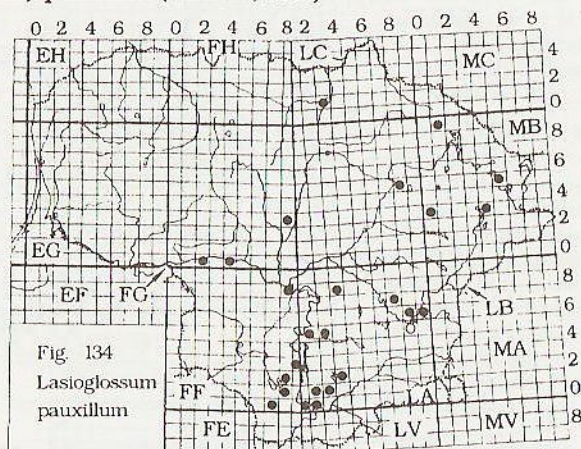


Fig. 134
Lasioglossum
pauxillum

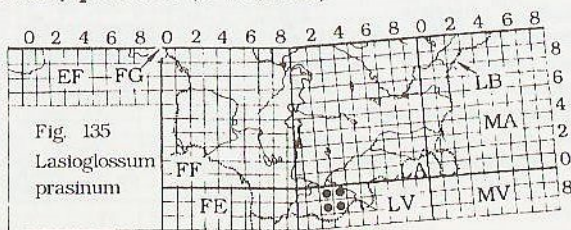


Fig. 135
Lasioglossum
prasinum

***Lasioglossum (Evylaeus) punctatissimum punctatissimum* (Schenck, 1853)**

Klm. Lzd. Prn. V.
Vrn. Neringa, 19(18)

squar. (Fig. 136), 16.IV-

17.X, 123♀, 26.VIII, 1♂/1.

70, 75%, polylectic, more

frequently on

Taraxacum officinale,

Potentilla arenaria, *Salix*

sp. sp., *Hieracium*

pilosella, *Veronica* sp.,

Sarothamnus scoparius,

Salvia pratensis, rather

abundant in the

regions, where light

soils prevail, especially

in Dainava Sandy Plain.

Distribution: Europe (up to 62°N), North Africa, Turkey, Iran, Uzbekistan.

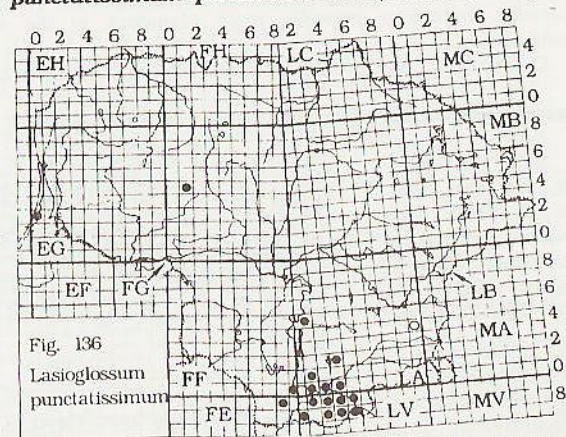


Fig. 136
Lasioglossum
punctatissimum

***Lasioglossum (Evylaeus) quadrinotatum* (Schenck, 1861)**

Al. An. Prn. Šl. Tl.

V. Vrn. Birštonas,

Kėdainiai, 17(16) squar.

(Fig. 137), 16.IV-VIII,

43♀, 24.VII-15.X, 4♂/68,

69, 70, 75%, polylectic,

more frequently on

Rosa rugosa,

Taraxacum officinale,

Potentilla erecta, *P.*

argentea, *Salix* sp. sp.,

Tussilago farfara,

Senecio vernalis, rather

rare, more abundant in

the regions, where light

soils prevail.

Distribution: Europe (between 62° and 43° N), Turkey, Transbaikalia.

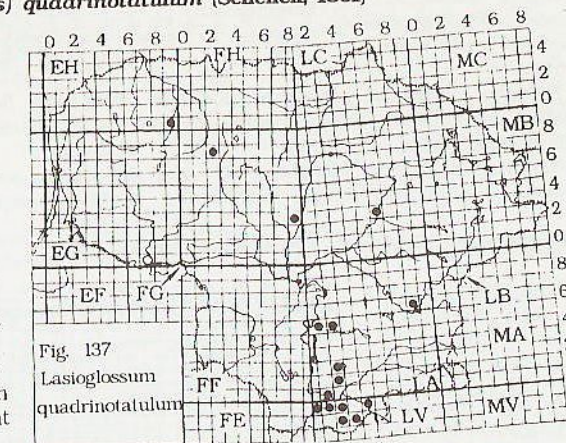


Fig. 137
Lasioglossum
quadrinotatum

***Lasioglossum (Lasioglossum) quadrinotatum* (Kirby, 1802)**

Al. Lzd. Prn. Šlčn.

Trak. Vrn. Daugai,

Jiezinas, 19(19) squar.

(Fig. 138), 1.V-11.VIII, 89♀.

9.VII, 1♂/69, 70, 75%,

polylectic, more

frequently on *Potentilla*

argentea, *Taraxacum*

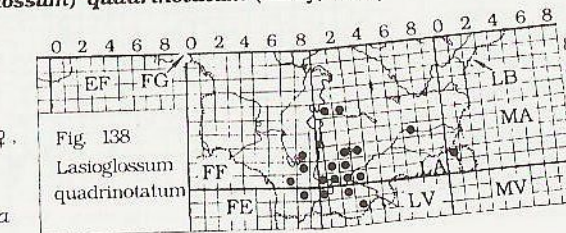


Fig. 138
Lasioglossum
quadrinotatum

officinale, *Stellaria* sp., *Matricaria inodora*, *Veronica chamaedrys*, *Anthemis tinctoria*, *Hieracium pilosella*, more abundant in the agricultural-urban landscape.

Distribution: Europe (up to 60° N), Caucasus, Turkey, Iran, Uzbekistan.

***Lasioglossum (Evylaeus) rufitarse* (Zetterstedt, 1838)**

Akm. An. Klm.
Mlt. Pln. Prn. Rd.
Rk. Šl. Tl. V. Vrn.
Kaunas, Neringa.
Panevėžys, Vilnius.
Žagarė, 25(25) squar.
(Fig. 139), 23IV-16IX.

84♀, 29.VII-27.IX.

11♂/1, 70, 75/.

polylectic, more frequently on *Geum rivale*, *Ribes nigrum*, *Malus domestica*, *Potentilla erecta*, *P. arenaria*, *P. argentea*, *Vaccinium vitis-idaea*, *Taraxacum*

officinale, *Vaccinium vitis-idaea*, *Veronica longifolia*, *Senecio vernalis*, *Achillea millefolium*, widely distributed, but more abundant in moist forests and marshy areas.

Distribution: Europe (between 68° and 43° N, in southern part in mountains), Caucasus, Siberia, Kamchatka, North America.

***Lasioglossum (Evylaeus) semilucens* (Alfken, 1914)**

Klm. Kn. Lzd. Rs.
Trg. Vrn. Kuršėnai.
Trakai, Vilnius, 12(10)
squar. (Fig. 140), 15.V-

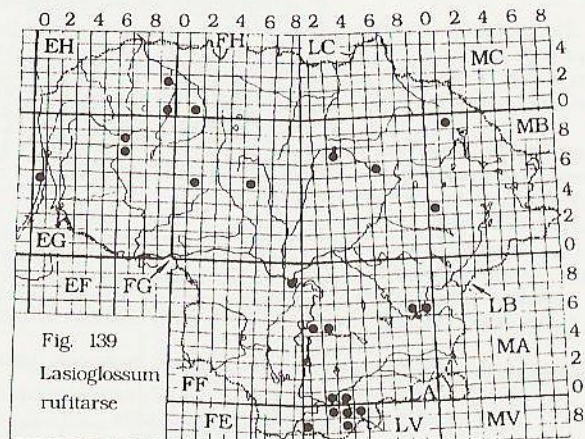
3.VIII, 13♀, 17-21.VIII.

3♂/1, 2, 70, 75/.

on *Fragaria vesca*, *Hieracium pilosella*, *Thymus serpyllum*, *Arabis arenosa*, *Potentilla arenaria*, *Taraxacum*

officinale, *Veronica* sp., everywhere rare.

Distribution: Europe (between 60° and 40° N, up to 30° E), Caucasus, Turkey, Afghanistan, Tadjikistan, Kirghizia.



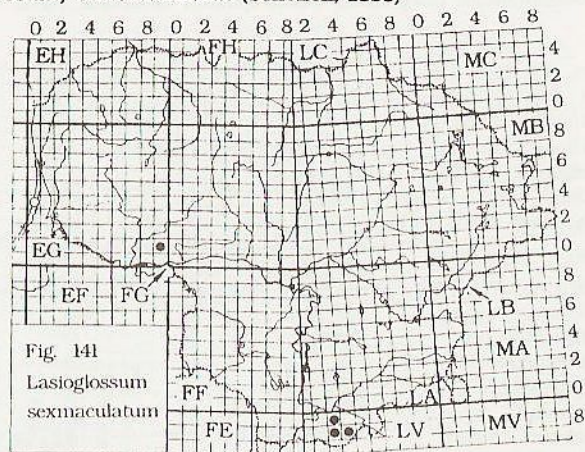
***Lasioglossum (Lasioglossum) sexmaculatum* (Schenck, 1853)**

Trg. Vrn. Neringa,
5(4) squar. (Fig. 141),

22IV-17.X, 13♀/68, 70/.

on *Salix* sp. sp., *Taraxacum officinale*, *Potentilla arenaria*, *Geum rivale*, *Hieracium pilosella*, *Sarothamnus scoparius*, rare, discovered only in forest landscape.

Distribution: Europe (between 58° and 42° N), Iran, Altai, Mongolia, East Siberia.



***Lasioglossum (Lasioglossum) sexnotatum* (Nylander, 1852)**

Vrn. LA10, Merkinė.

3.VII.1987, 5♀/75/;

Kaunas, FF88, Jiesia,

2.V.1992, 1♀; Vilnius,

LA96, 13.V.1930, 1♀

(Fig. 142) /1/.

on *Potentilla argentea*, *Geranium pratense*, *Hieracium pilosella*.

Distribution: Europe (between 64° and 52° N, up to 7° E), West Siberia.



***Lasioglossum (Lasioglossum) sexnotatum* (Kirby, 1802) (= nitidum Panzer)**

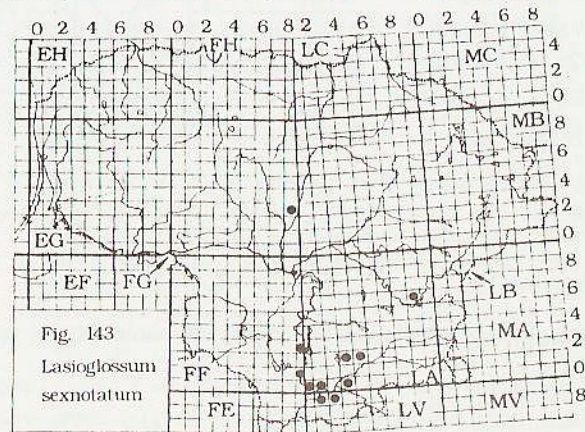
Al. Lzd. V. Vrn.
Kėdainiai, Vilnius, 11(11)
squar. (Fig. 143), 20.V-

5.IX, 21♀, 5.IX, 1♂

/18, 70, 75/.

on *Veronica chamaedrys*, *Sorbaria sorbifolia*, *Thymus serpyllum*, *Jasione montana*, *Centaurea maculosa*, *Cichorium intybus*, *Echium vulgare*, *Taraxacum officinale*, *Lamium album*, everywhere rather rare.

Distribution: Europe (up to 57° N), Caucasus, Turkey, Iran, Mongolia.



***Lasioglossum (Evylaeus) sexstrigatum* (Schenck, 1868)**

An, Ign, Klm, Kn, Kš, Lzd, Prn, Tl, Trg, V, Vlkv, Vrn, Druskininkai, Jieznas, Kaunas, Kedainiai, Trakai, Vilnius, 39(37) squar. (Fig. 144), 28.IV-19.VIII,

305♀, 13.VII-19.VIII, 22♂/l, 2, 70, 75/, polylectic, more frequently on *Taraxacum officinale*, *Hieracium pilosella*, *Lamium album*, *Potentilla erecta*, *P. argentea*, *P. arenaria*, *Veronica sp.*, *Sarothamnus scoparius*, *Rosa rugosa*, *Salix sp. sp.*, *Galeobdolon luteum*, *Alyssum montanum*, *Anethum graveolens*, *Galinsoga parviflora*, *Fragaria vesca*, *Cerastium arvensis*, *C. semidecandrum*, *Ribes nigrum*, *Geum rivale*, in Dainava Sandy Plain abundant, elsewhere much more rare.

Distribution: temperate Europe (up to 57° N and 5° E), Baikal, China, Japan.

***Lasioglossum (Evylaeus) tarsatum* (Schenck, 1868)**

Lzd, FF70, Gegutė, 25.VI.1992, 1♂, Kn, LA19, Lapės, 18.V.1989, 1♀; Vrn, LV29, Marcinkonys, 6.V.1982, 2♀; Kašėtos, 24.IV.1983, 1♀;

Kapiniškės, 6.V.1984, 2♀; Vilnius, LA96, Dvarčionys, 23.V.1978, 1♀ (Bud.) (Fig. 145) /69, 70/, on *Potentilla arenaria*, *Salix sp. sp.*, *Alyssum gmelini*, *Senecio vernalis*, *Anthemis tinctoria*.

Distribution: Europe (between 61° and 42° N, up to 5° E), Caucasus, Afghanistan.

***Lasioglossum (Evylaeus) villosulum villosulum* (Kirby, 1802)**

Akm, An, Prn, Rd, Rk, Šlėn, Švėn, Tl, V, Vrn, Daugai, Ignalina, Kaunas, Vilnius, 22(21) squar. (Fig. 146), 20.V-19.IX, 100♀, 1.VIII-27.IX, 8♂/l, 70, 75/,

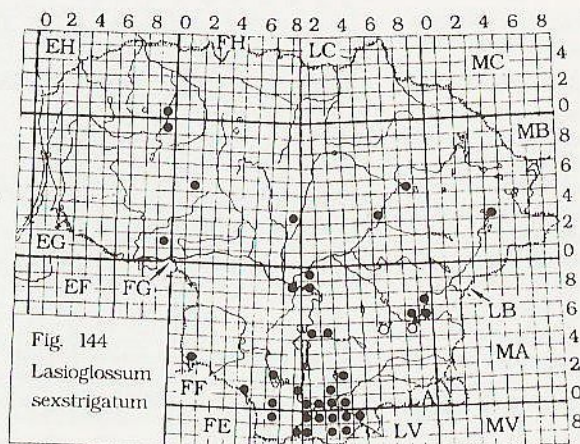


Fig. 144
Lasioglossum sexstrigatum

oligolectic, on various yellow blooms species of *Compositae* (*Hypochoeris sp.*, *Hieracium sp. sp.*, *Picris hieractoides*, *Taraxacum officinale*, more abundant in the agricultural-urban landscape, where heavy soils prevail.

Distribution: Europe (up to 64° N), North Africa, Turkey, Uzbekistan, Tadzhikistan, Mongolia.

***Lasioglossum (Lasioglossum) xanthopus* (Kirby, 1802)**

Vrn, LV09, Vilkautinis, 13.V.1985, 1♀ (Fig. 147) /70, 72, 75/, on *Cerasus sp.*. A northern border of the range passes through Lithuania.

Distribution: Europe (up to 56° N), North Africa, Caucasus, Turkey, Israel, Iran, Pakistan, Kazakhstan, Uzbekistan, Mongolia.

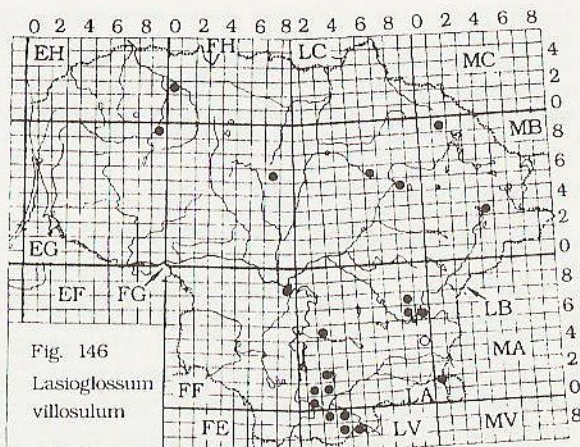


Fig. 146
Lasioglossum villosulum

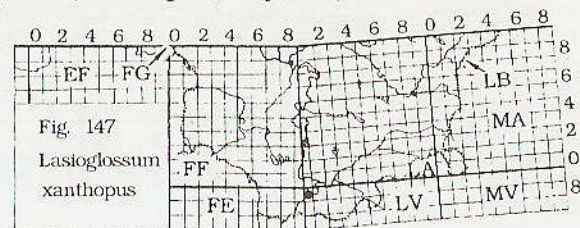


Fig. 147
Lasioglossum xanthopus

***Lasioglossum (Lasioglossum) zonulum* (Smith, 1848)**

Akm, Al, An, Prn, Rd, Rk, Skd, Šl, Šlu, V, Vrn, Jieznas, Kaunas, Kedainiai, Trakai, Vilnius, 29(23) squar. (Fig. 148), 16.V-16.IX, 60♀, 21.VII-19.IX,

20♂/l, 68, 70, 75/, polylectic, more frequently on various species of *Compositae* (*Galinsoga parviflora*, *Hypochoeris radicata*, *Hieracium sp. sp.*, *Leontodon*

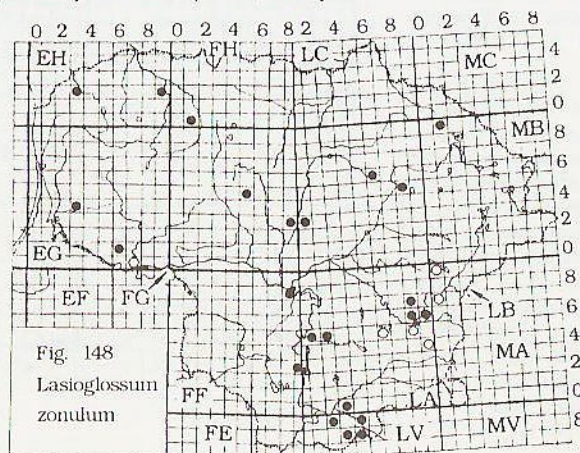


Fig. 148
Lasioglossum zonulum

autumnalis, *Taraxacum officinale*, *Picris hieracioides*, *Tragopogon pratensis*), sometimes on *Ranunculus acer*, *Thymus pulegioides*, *Potentilla erecta*, *Trifolium repens*, widely distributed, but more abundant in agricultural-urban landscape.

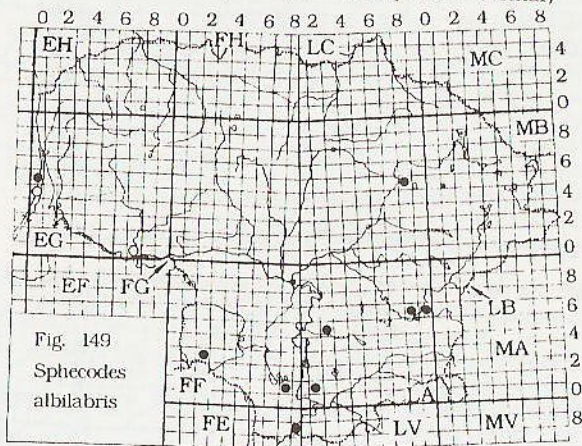
Distribution: Europe (up to 64° N), Caucasus, Turkey, Iran, Kazakhstan, West and South Siberia up to Transbaikalia, North America.

Genus *Sphecodes* Latreille, 1804

***Sphecodes albilabris albilabris* (Fabricius, 1793) (= *fuscipennis* Germar)**

An, Lzd, Prn, Šlu, V, Vlkv, Vrn, Neringa, Vilnius, 11(9) squar, 24.IV-5.IX, 9♀, 1.VII-20.IX, 3♂ (Fig. 149) /68/, on *Solidago v-aurea*, *Senecio vernalis*, *Anthemis tinctoria*, everywhere rather rare.

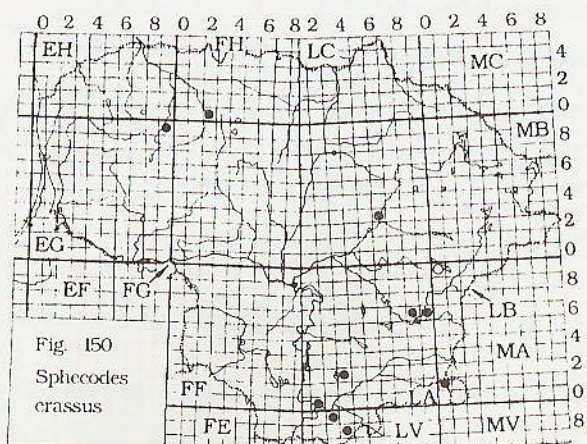
Distribution: Europe (up to 63° N), West Siberia, Uzbekistan, Turkmenistan, Kirghizia.



***Sphecodes crassus* Thomson, 1870**

An, Šlčn, Tl, V, Vrn, Kuršėnai, Vilnius, 11(10) squar. (Fig. 150), 19.V-19.VIII, 18♀, 13.VII-19.VIII, 9♂/1 70, 75/, on *Anethum graveolens*, *Galinsoga parviflora*, *Achillea millefolium*, *Torilis japonica*, *Ranunculus acris*, *Anthemis tinctoria*, *Taraxacum officinale*, *Fragaria vesca*, everywhere is rather rare.

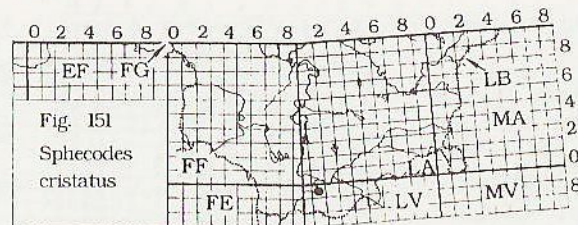
Distribution: Europe (up to 65° N), North Africa, Asia up to Mongolia.



***Sphecodes cristatus* Hagens, 1882**

Vrn, LV19, Maksimai, 15.VIII.1985, 1♂ (Fig. 151) /70, 72, 75/. A northern border of the range passes through Lithuania.

Distribution: Europe (up to 57° N), Turkey, East Siberia, Tadjikistan.

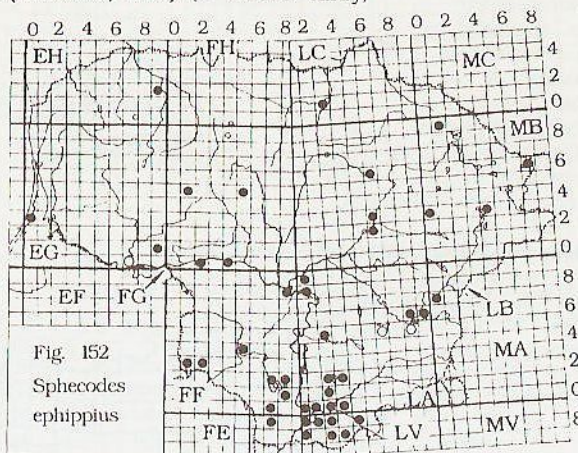


***Sphecodes ephippius* (Linnaeus, 1767) (= *divisus* Kirby)**

Akm, Al, An, Jrb, Klm, Kn, Kš, Lzd, Mlt, Prn, Rd, Rk, Šlu, V, Vlkv, Vrn, Zr, Daugai, Ignalina, Kaunas, Marijampolė, Neringa, Pasvalys, Trakai, Ukmergė, Vilnius, 47(44) squar. (Fig.

152), 21.V-15.X, 109♀, 13.VII-20.IX, 18♂/1. 2, 68, 70, 75/, polylectic, more frequently on *Achillea millefolium*, *Cerastium arvensis*, *C. semidecandrum*, *Matricaria inodora*, *Potentilla arenaria*, *P. argentea*, *Taraxacum officinale*, *Veronica* sp., *Aegopodium podagraria*, *Anthemis tinctoria*, widely distributed, but more abundant in agricultural-urban landscape.

Distribution: Europe (up to 63° N), North Africa, up to East Asia.

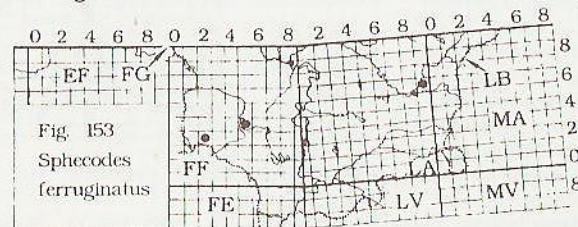


***Sphecodes ferruginatus* Hagens, 1882**

Vlkv, FF23, Gražiškiai, 15.V.1992, 4♀; Marijampolė, FF54, 11.VIII.1972, 1♂ (Jak); Vilnius, LA96, Pavilnys, 23.V.1975, 1♀ (Jak); 21.VIII.1976,

1♀ (Jak) (Fig. 153) /70, 72/, on *Taraxacum officinale*.

Distribution: temperate Europe (up to 66° N), Turkey.

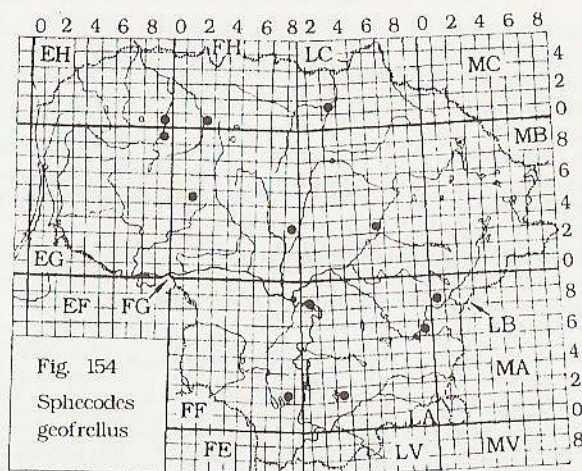


Sphecodes geoffrellus geoffrellus (Kirby, 1802) (= *fasciatus* Hagens)

Al, An, Klm, Kš, Šlu, Tl, V, Vrn, Kėdainiai, Kuršėnai, Pasvalys, Vilnius, 13(12) squar. (Fig. 154), 6.V-24.VI,

24♀, 24.VI-7.VIII, 4♂/68, 72/, on *Taraxacum officinale*, *Tanacetum vulgare*, *Fragaria vesca*, more abundant in agricultural-urban landscape in the regions, where heavy soils prevail.

Distribution: Europe (up to 67° N), Asia up to Kamchatka.

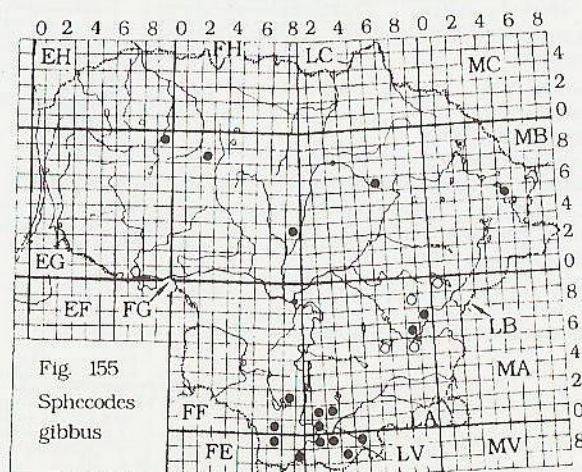


Sphecodes gibbus gibbus (Linnaeus, 1758)

Al, An, Ign, Lzd, Šl, Šlu, Tl, V, Vrn, Kėdainiai, Trakai, Vilnius, 23(18) squar. (Fig. 155), 6.V-15.VIII,

32♀, 25.VI-27.VIII, 18♂/1, 2, 68, 70, 75/, on *Anthemis tinctoria*, *Galinsoga parviflora*, *Achillea millefolium*, *Taraxacum officinale*, *Potentilla arenaria*, *Potentilla sp.*, *Anethum graveolens*, *Senectio vernalis*, *Torilis japonica*, *Arabis arenosa*, *Melilotus albus*, *Pimpinella saxifraga*, *Fragaria vesca*, rather widely distribute, but everywhere is not abundant.

Distribution: Europe (up to 66° N), Asia up to Japan.

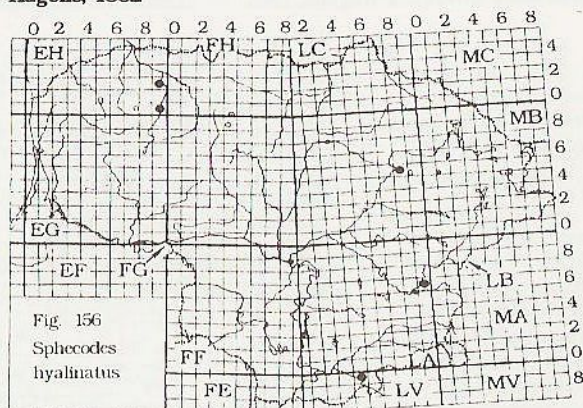


Sphecodes hyalinatus Hagens, 1882

Akm, An, Tl, Vrn, Vilnius, 5(5) squar. (Fig. 156), 6.V-

18.VII, 4♀, LVIII, 2♂/77/, on *Potentilla sp.*, *Taraxacum officinale*, *Pimpinella saxifraga*, everywhere rare.

Distribution: temperate Europe (up to 68° N).



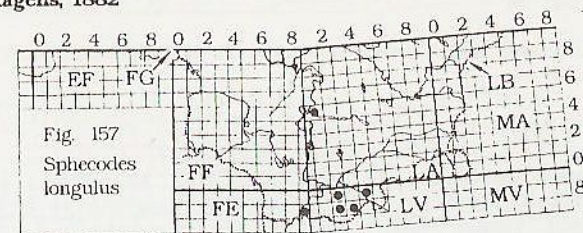
Sphecodes longulus Hagens, 1882

Lzd, Šl, Vrn, Druskininkai, Jieznas, 6(6) squar. (Fig. 157), Kuršėnai, FH20, 16.V-

19.VI, 20♀, 13.VII-6.IX, 9♂/70, 72/, on *Anethum graveolens*, *Potentilla sp.*,

Cerastium semidecandrum, *Euphrasia sp.*, *Hieracium pilosella*, *Solidago aurea*, *Achillea millefolium*, *Galinsoga parviflora*, *Taraxacum officinale*, rather rare, more abundant in the regions, where light soils prevail.

Distribution: Europe (up to 63° N), Asia up to Tadzhikistan.

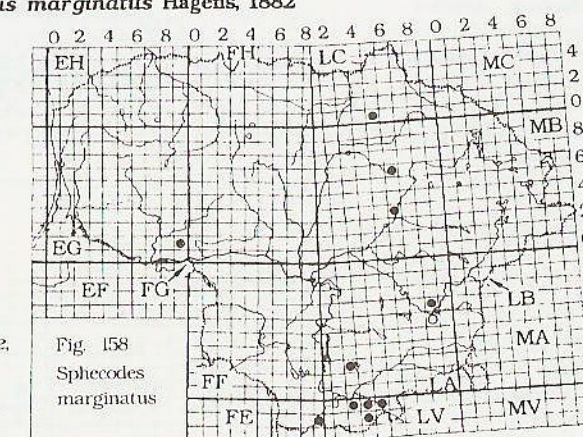


Sphecodes marginatus marginatus Hagens, 1882

Al, An, Trg, Vrn, Druskininkai, Vabalninkas, Vilnius, 12(11) squar. (Fig. 158),

12.V-19.VI, 10♀, 13.VII-11.IX, 9♂/2, 70/, on *Achillea millefolium*, *Potentilla arenaria*, *Tanacetum vulgare*, *Anethum graveolens*, *Veronica arvensis*, *Taraxacum officinale*, rather rare.

Distribution: temperate Europe (up to 58° N).



***Sphecodes miniatus* Hagens, 1882 (= *dimidiatus* Hagens)**

An. Klm. Kn. Prn.
Šl. Šlcn. Šlu. Vrn.
Daugai. Kėdainiai.
Kursėnai. 18(15) squar.
(Fig. 159). 14.IV-5.VII.

34♀, 13.VII-12.VIII. 14♂/5.
68, 70, 75%. polylectic,
more frequently on
Anethum graveolens,
Achillea millefolium,
Antennaria dioica,
rather widely distribute,
but is not abundant.

Distribution:
temperate Europe (up
to 64° N).

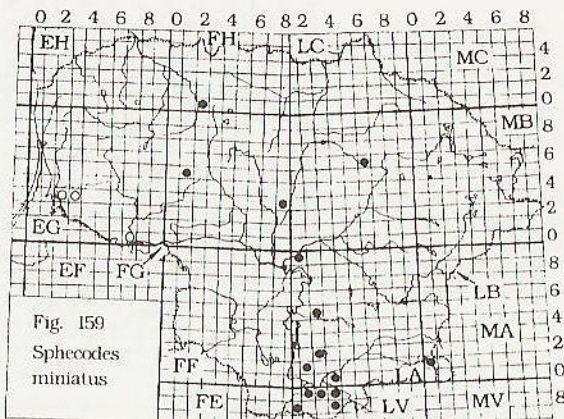


Fig. 159
*Sphecodes
miniatus*

***Sphecodes monilicornis monilicornis* (Kirby, 1802)**

Akm. Al. An. Ign.
Lzd. Prn. Skd. Šl. Šlcn.
Šlu. Tl. V. Vlkv. Vrn.
Dusetos. Ignalina.
Kėdainiai. Kursėnai.
Trakai. Vilnius. 37(33)
squar. (Fig. 160). 23.IV-

1.IX. 62♀, 23.VI-20.IX.
23♂/1, 2, 68, 70, 71.
75%. polylectic, more
frequently on *Anethum
graveolens*, *Achillea
millefolium*, *Taraxacum
officinale*, *Galinsoga
parviflora*, *Potentilla
arenaria*, *Anthemis
tinctoria*, *Solidago v-aurea*. widely distributed, but everywhere is not
abundant.

Distribution: Europe (up to 65° N), Caucasus, Turkmenistan, Tadjikistan.

***Sphecodes niger* Hagens, 1874**

Al. LA22. Rimėnai.
12.V.1991. 1♀ (Fig. 161)
/77/, on *Senecio
vernalis*.

Distribution: Europe
(between 57° and 42°N,
up to 30° E), Turkey.

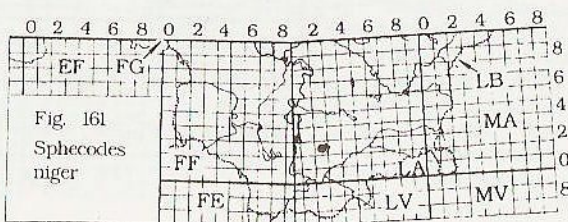


Fig. 161
*Sphecodes
niger*

***Sphecodes pellucidus* Smith, 1845**

Akm. Al. An. Klm.
Kn. Kš. Lzd. Prn. Šl. Tl.
Trak. Trg. V. Vrn.
Ignalina. Jieznas. Kursėnai.
Vilnius. 29(28) squar. (Fig.

162). 14.IV-20.IX. 104♀.
13.VII-16.IX. 6♂/1, 2, 70,
75%. polylectic, more
frequently on *Taraxacum
officinale*, *Senecio
vernalis*, *Salix sp. sp.*
widely distributed and
rather abundant.

Distribution: Europe
(up to 66° N), North
Africa, up to East Asia.

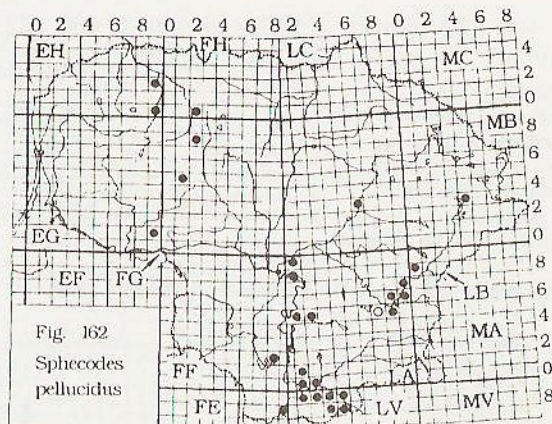


Fig. 162
*Sphecodes
pellucidus*

***Sphecodes puncticeps* Thomson, 1870**

Vrn. LV29. Marcinkonys.
13.VII.1983. 1♀ 2♂;

Kapiniškiai, 28.VIII.1986, 1♀;
LA10, Roduka, 8.VIII.1984,

1♀ 1♂; LA11, Ilgininkai,

2.VII.1992, 1♀ /70, 75%; V,

LA94. Korystė /1/ (Fig. 163), on *Anethum graveolens*, *Torilis japonica*.

Distribution: Europe (up to 62°N), North Africa, Turkmenistan, Tadjikistan.

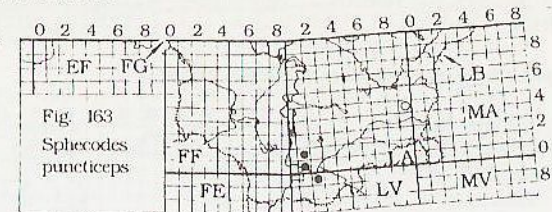


Fig. 163
*Sphecodes
puncticeps*

***Sphecodes reticulatus* Thomson, 1870**

Kš. Lzd. Šlu. Trg. V.
Vrn. Trakai. Vilnius. 17(14)
squar. (Fig. 164). 23.V-18.IX.

40♀, 13.VII-16.IX. 133♂/1,

68, 70, 75%. polylectic,
more frequently on
Achillea millefolium,
Anthemis tinctoria,
Melilotus albus, more
abundant in the regions,
where light soils prevail,
especially in Dainava
Sandy Plain.

Distribution: Europe
(up to 62° N), Asia up
to Turkestan.

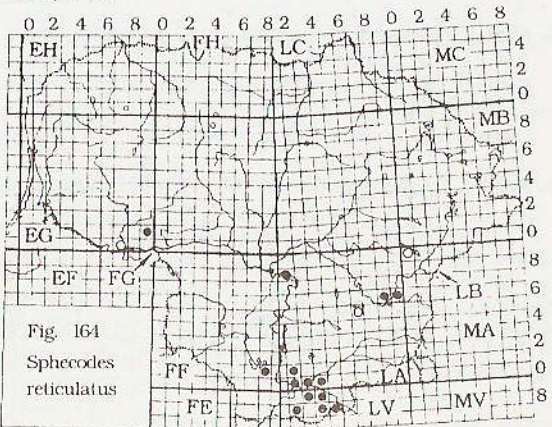


Fig. 164
*Sphecodes
reticulatus*

***Sphcodes ruficus rubicundus* Hagens, 1875 (= *rubicundus* Hagens)**

Lzd. FF81. Scirijai.

25.VI.1992, 1♀ (Fig.

165) /77/, on

Anthemis tinctoria. A

northern border of

the range passes

through Lithuania.

Distribution: Europe

(up to 56° N), Turkey.

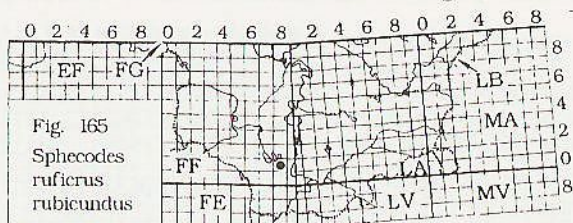


Fig. 165
Sphcodes
ruficus
rubicundus

***Sphcodes rufiventris rufiventris* (Panzer, 1798)**

Vilnius, LA96.

Pavilnys, 8.VII.1976.

1♀ (Jak.) (Fig. 166)

/72 - misidentification/.

Distribution: Europe

(up to 57° N), North

Africa.

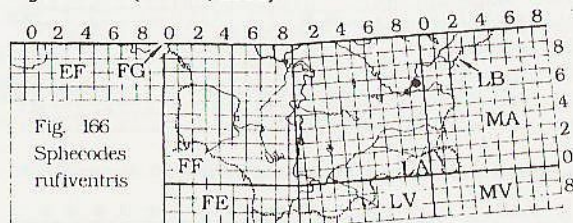


Fig. 166
Sphcodes
rufiventris

***Sphcodes scabricollis* Wesmæl, 1865**

Vilnius, LA96.

Pavilnys, 4.IX.1968, 1♂
(Stan.) (Fig. 167) /74/.

Distribution: Europe

(between 61° and 40°

N, up to 37° E).

Genus *Dufourea*

Lepelletier, 1841

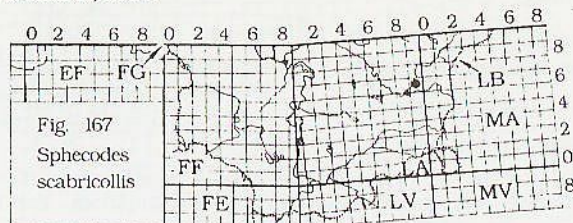


Fig. 167
Sphcodes
scabricollis

***Dufourea (Halictoides) dentiventris* (Nylander, 1848)**

Not yet known, but reported from North Poland /4/ and Latvia /132/ near Lithuania.

Distribution: Europe (between 66° and 43° N), Caucasus.

***Dufourea (Halictoides) inermis inermis* (Nylander, 1848)**

V. Vrn. Trakai.

Vilnius, 4(2) squar.

(Fig. 168). An. LB85.

Elmininkai: Štu. EG70.

Šreitlaukis, 14.VII-1.VIII.

23♀, 14.VII-7.VIII, 10♂/1.

68, 70/, oligolectic, on

various species of

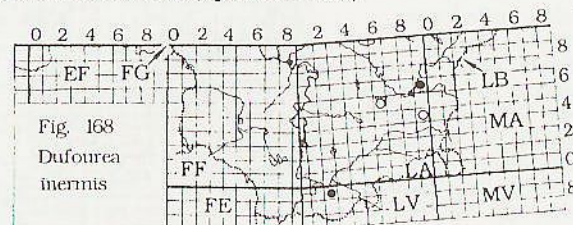


Fig. 168
Dufourea
inermis

Campanula (*C. rapunculoides*, *C. glomerata*, *C. rotundifolia*), locally in agricultural-urban landscape rather abundant.

Distribution: Europe (between 62° and 43° N), Caucasus (?).

***Dufourea (Dufourea) minuta* Lepelletier, 1841 (= *halictula* Nylander)**

Not yet known, but reported from Kaliningrad obl. /5/ and Latvia /132/ near Lithuania.

Distribution: Europe (between 60° and 40° N, up to 30° E).

***Dufourea (Dufourea) vulgaris* Schenck, 1861**

An. Prn. Rk. V.

Vilnius, Žagarė, 7(6)

squar. (Fig. 169), 18.VII-

25.VIII, 8♀, 11.VII-25.VIII.

7♂/1, 75/, on

Calendula officinalis,

Leontodon autumnalis,

unidentified species

of *Umbelliferae*,

rather rare in

agricultural-urban

landscape, where

heavy soils prevail.

Distribution: Europe

(between 63° and 43°

N), Caucasus.

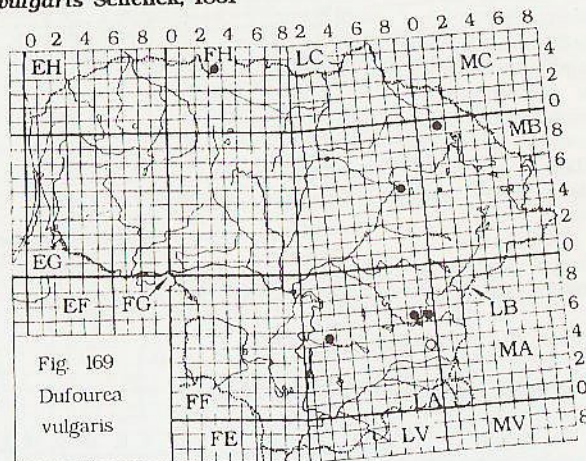


Fig. 169
Dufourea
vulgaris

Genus *Rhophitoides* Schenck, 1861

***Rhophitoides canus* (Eversmann, 1852)**

An. Prn. Ut. V.

Vrn. Kaunas, Trakai.

Vilnius, 8(7) squar.

(Fig. 170), 26.VI-1.VIII.

4♀, 23.VI-20.VIII, 28♂/1.

75/, usually on

Medicago falcata,

sometimes on

Cichorium intybus,

rather rare in

agricultural-urban

landscape, where

heavy soils prevail.

Distribution:

temperate Europe (up

to 57° N), Caucasus,

Turkey, Iran,

Kazakhstan, Uzbekistan,

Kirghizia, Mongolia.

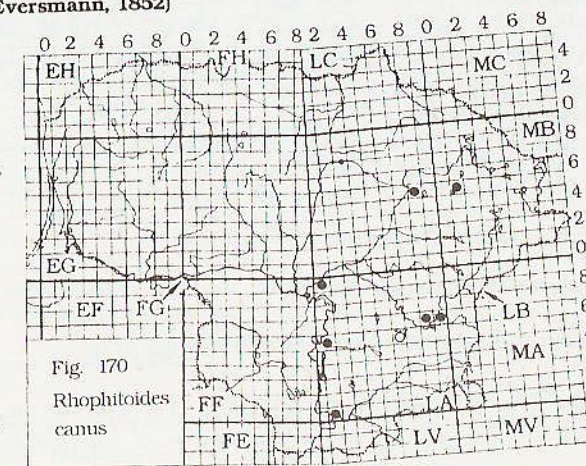


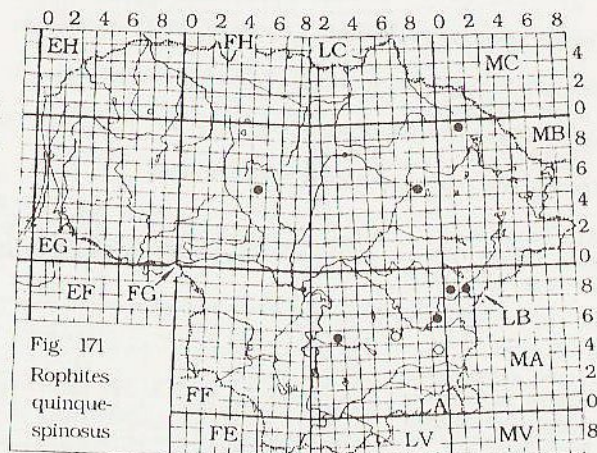
Fig. 170
Rhophitoides
canus

Genus *Rophites* Spinola, 1808

***Rophites quinquespinosus* Spinola, 1808**

An. Prn. Rd.
Rk. V. Trakai.
Vilnius. 9(7) squar.
(Fig. 171). 5.VII-29.VIII.
9♀, 27.VI-9.VIII. 9♂/1.
75%, usually on
Leonurum
cardiacum, *Echium*
vulgare, sometimes
on *Leontodon*
autumnalis, rather
rare in agricultural-
urban landscape,
where heavy soils
prevail.

Distribution:
Europe without
western part (between 60° and 42° N); Turkey, Altai.

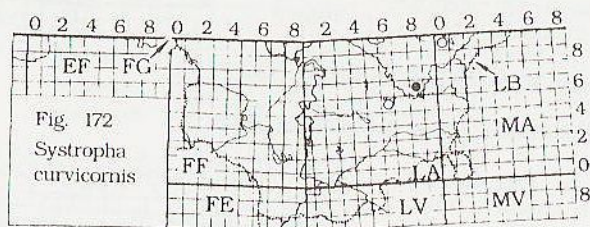


Genus *Systropha* Illiger, 1806

***Systropha curvicornis* (Scopoli, 1770)**

V. MA09,
Bališkės, 23.VII.1932.
1♀/1: LA86, Salotė,
23.VI.1979. 1♂
(Bud); Trakai, LA65,
24.VIII.1928, 1♀/1;
Vilnius, LA86,
Žvėrynas, 4.VII.1970,
1♂ (Jak) (Fig. 172), monoleptic on *Convolvulus arvensis*. A northern border of the range passes through Lithuania.

Distribution: Europe (up to 56° N), Caucasus, Turkey, Altai, China.



Family MELITTIDAE

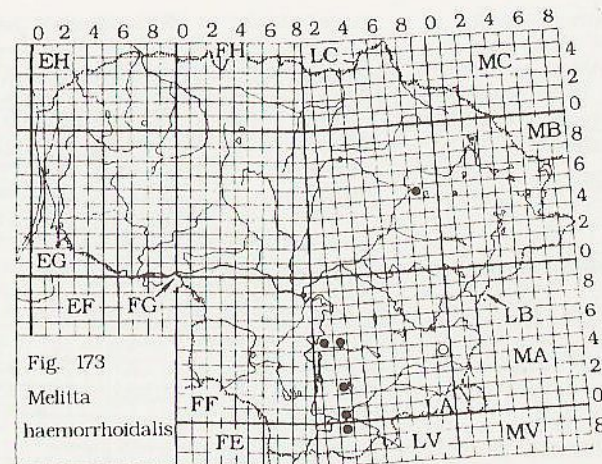
Genus *Melitta* Kirby, 1802

***Melitta (Cilissa) haemorrhoidalis* (Fabricius, 1775)**

An. Prn. V. Vrn. Daugai, 7(6) squar. (Fig. 173). 5-31.VII, 8♀, 29.VI-8.VIII, 30♂/1, 70, 75%, usually on various species of *Campanula* (*C. persicifolia*,

C. rapunculoides etc), sometimes on *Geranium pratense*, *Cichorium intybus*, *Malva* sp., *Centaurea scabiosa*, rather rare in agricultural-urban landscape, where heavy soils prevail.

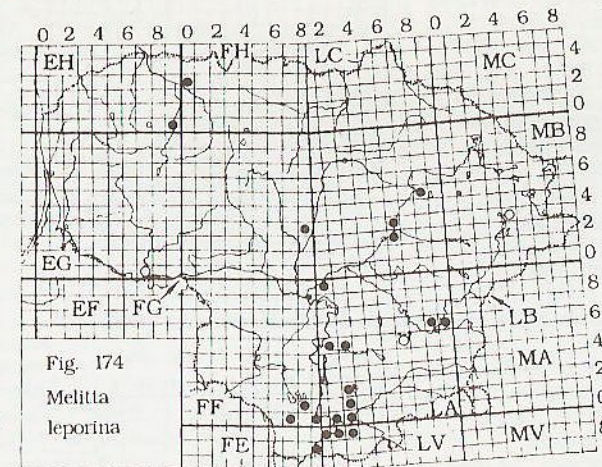
Distribution:
Europe (between 65° and 40° N), West Asia.



***Melitta (Melitta) leporina* (Panzer, 1799)**

Akm. An. Lzd.
Prn. Tl. V. Vrn.
Daugai.
Druskininkai,
Kaunas, Kėdainiai,
Ukmergė, Vilnius,
25(22) squar. (Fig.
174). 17.VI-15.VIII,
70♀, 17.VI-20.VIII,
94♂/1, 68, 18, 125,
70, 75%, on various
species of
Leguminosae
(*Medicago falcata*,
Trifolium arvense,
T. repens, *Melilotus*
albus, *M.*
officinalis, *Lotus*
corniculatus), very rare on *Anthemis tinctoria*, *Centaurea* sp., widely distributed, but more abundant in the agricultural-urban landscape in the regions, where heavy soils prevail.

Distribution: Europe (between 63° and 40° N), North Africa (?), Caucasus, Turkey, South Siberia, Uzbekistan, Tadzhikistan.



***Melitta (Melitta) nigricans* Alfken, 1905**

V. LA94, Korystė (Korzysc), 19.VIII.1927, 1♀, 10.VIII.1930, 1♂/1; Daugai, LA22, 8.VIII.1986, 1♂ (Fig. 175), on *Solidago v-aurea*, *Leontodon autumnalis*. A

northern border of the range passes through Lithuania.

Distribution: Europe (up to 56° N), Turkey.

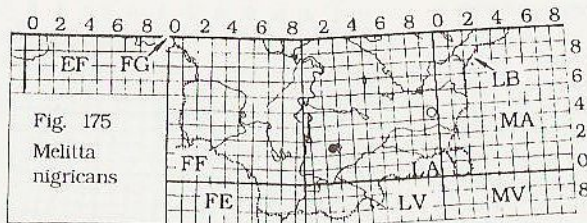


Fig. 175
Melitta nigricans

Melitta (Melitta) tricincta Kirby, 1802

Šlu, EG70, Šreitlaukis /68/; V, MA09, Bališkės /1/; Vrn. LV19, Maksimai, 12.VIII.1985, 1♀ 2♂/70, 75/; Marijampolė, FF54, 11.VIII.1972, 1♂ (Jak); Vilnius, LA96, 18-19.VIII.1978, 3♂ (Bud) (Fig. 176) on *Trifolium repens*, *Scabiosa ochroleuca*, *Galeopsis tetrahit*.
Distribution: Europe (between 60° and 40° N), West Asia.

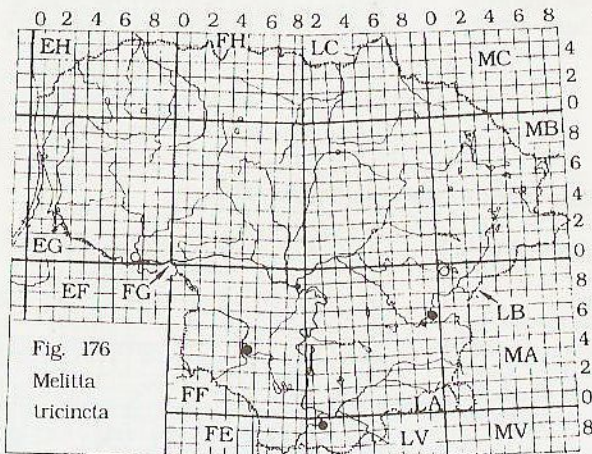


Fig. 176
Melitta tricincta

Melitta (Cilissa) wankowiczi (Radoszkowski, 1890)

Vrn. LV29, Marcinkonys, 6.VIII.1981, 1♂; Kapiniškės, 14.VIII.1983, 1♂ (Fig. 177) /69, 70, 76/, on *Campanula rotundifolia*, *Convolvulus arvensis*. A northern border of the range passes through South Lithuania. Included in the Red Data Book of Lithuanian fauna.

Distribution: Europe (Germany, Poland, Byelorussia, Ukraine, Lithuania, Sarepta (Russia)).

Genus *Macropis* Panzer, 1809

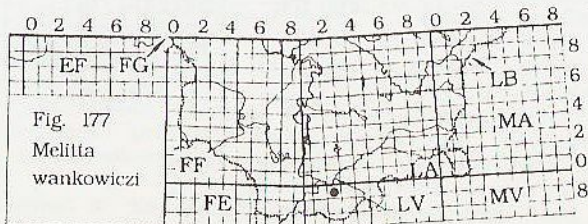


Fig. 177
Melitta wankowiczi

Macropis europaea Warncke, 1973 (= labiata auct.)

Prn, Rd, Rk, Šlu, V, Vrn, Vilnius, 8(6) squar. (Fig. 178), 24.VII-20.VIII.

11♀, 13-24.VII, 5♂/1, 68, 70, 75/, usually on *Lysimachia vulgaris*, sometimes on *Solidago v-aurea*, *Campanula* sp., *Veronica longifolia*, only locally more abundant in moist forests and brushwoods.

Distribution: Europe (between 63° and 40° N), West Asia.

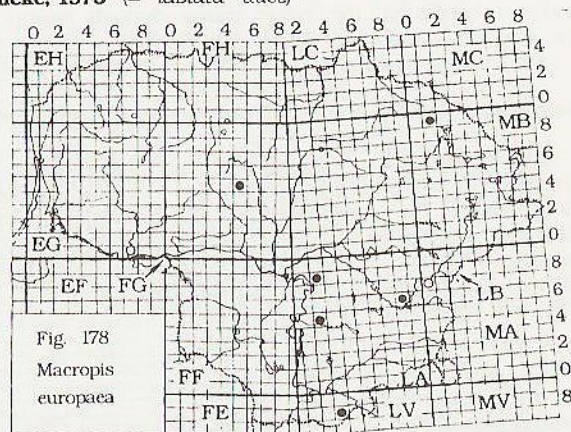


Fig. 178
Macropis europaea

Macropis fulvipes fulvipes (Fabricius, 1804)

Ign, Prn, V, Vrn, Trakai, Vilnius, 9(7) squar. (Fig. 179), 10.VII-18.VIII, 20♀, 27.V-18.VIII, 13♂/1, 70, 71, 75/, usually on *Lysimachia vulgaris*, sometimes on *Veronica* sp., *Frangula alnus*, *Geranium palustre*, *G. pratense*, *Thymus pulegioides*, *Anthemis tinctoria*, *Leontodon autumnalis*, unidentified species of *Umbelliferae*, only locally more abundant in moist forests and brushwoods.

Distribution: temperate Europe (up to 63° N).

Genus *Dasypoda* Latreille, 1802

Dasypoda argentata argentata Panzer, 1809

Lzd, FF90, Barzdžiūnai, 3.VIII.1986, 6♀ 1♂; Vrn, LV19, Maksimai, 12.VIII.1985, 29♀ 4♂; LA10, Merkinė, 21.VIII.1974, 1♂ (Stan).

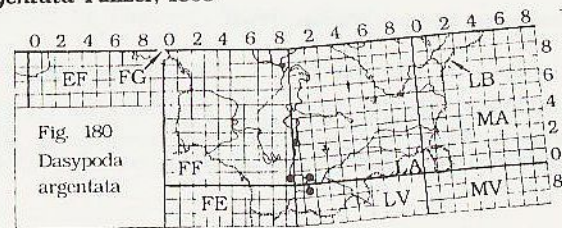


Fig. 180
Dasypoda argentata

20.VIII.1982, 1♂ (Bud) /70, 72, 75, 76/, monolectic, on *Scabiosa ochroleuca*. A northern border of the range passes through South Lithuania. Included in the Red Data Book of Lithuanian fauna.

Distribution: Europe (up to 55° N), Caucasus, Turkey, Syria.

***Dasypoda hirtipes hirtipes* (Fabricius, 1793) (= *plumipes* Panzer)**

Al, An, Ign, Lzd, Prn, Šlu, Ut, V, Vrn, Daugai, Kėdainiai, Neringa, Palanga, Trakai, Vilnius, 31(27) squar. (Fig. 181), 19.VI-28.VIII,

88♀, 22.VI-20.VIII, 195♂/1, 68, 5, 18, 70, 75/, usually on various species of *Compositae* (*Centaurea maculosa*, *Hieracium umbellatum*, *H. pilosella*, *Solidago v-aurea*, *Calendula officinalis*,

Hypochoeris sp., *Senecio* sp., *Leontodon autumnalis*, *Cichorium intybus*, *Tragopogon pratensis*, *Sonchus oleraceus*, *Anthemis tinctoria*, *Crepis* sp.), sometimes on *Helianthemum nummularum*, *Knautia arvensis*, *Jasione montana*, rather widely distributed, but more abundant in the agricultural-urban landscape, where light soils prevail, especially near the seaside and in South Lithuania.

Distribution: Europe (up to 63° N), Turkey.

***Dasypoda suripes* (Christ, 1791) (= *mixta* Rad., = *thomsoni* Schlet)**

Not yet known, but reported from Lenkowo in North-East Poland /18/ and from Kaliningrad obl. (Russia) /5/ near the frontier of Lithuania.

Distribution: Europe (up to 56° N), Turkey.

Family MEGACHILIDAE

Genus *Trachusa* Panzer, 1804

***Trachusa byssina* (Panzer, 1798)**

Akm, An, Ign, Lzd, Prn, V, Vrn, Neringa, Trakai, Vilnius, 19(16) squar., 23.VI-18.VIII, 37♀, 14.VI-12.VIII, 39♂ (Fig. 182) /70, 71, 75, 1/, usually on various species of *Leguminosa* (*Lotus corniculatus*, *Medicago falcata*, *Coronilla varia*, *Vicia cracca*, *Lathyrus pratensis*, *L. silvestris*, *Astragalus*

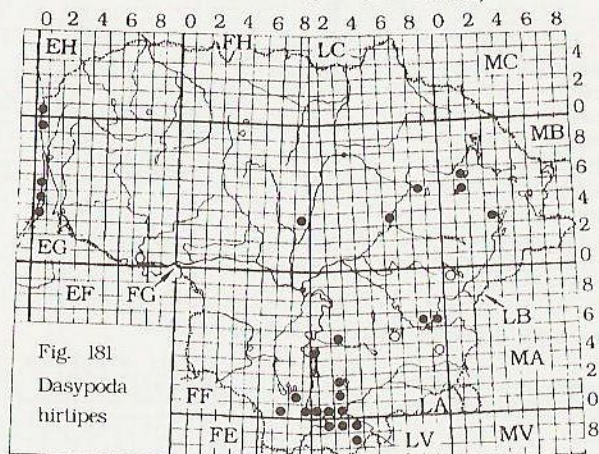


Fig. 181
Dasypoda hirtipes

arenarius, *Trifolium repens*), sometimes on *Thymus pulegioides*, *Melampyrum nemorosum*, *Jasione montana*, *Hieracium pilosella*, *Arctium lappa*, *Echium vulgare*, more abundant in agricultural-urban landscape, where light soils prevail.

Distribution: Europe (between 63° and 42° N), Caucasus, Turkey.

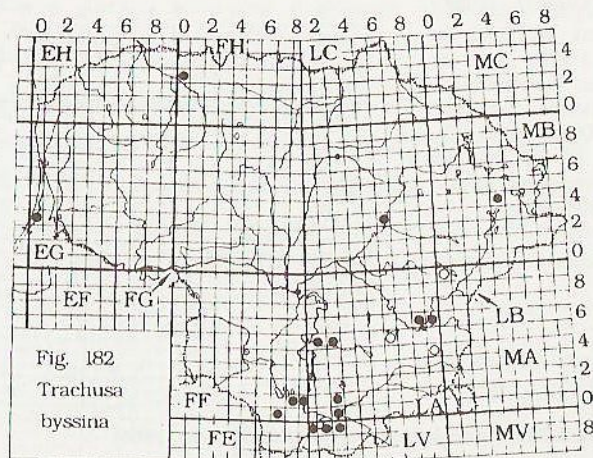


Fig. 182
Trachusa byssina

Genus *Anthidium* Fabricius, 1804

***Anthidium manicatum manicatum* (Linnaeus, 1758)**

Prn, LA25, Bagdoniškes, 5.VII.1986, 1♀ 2♂/75/; Ukm, LB63, Vidiškiai, 30.VI.1984, 1♀ (Grig), 28.VII.1984, 1♂ (Grig); V, LA94, Korystė (Korzysc) /1/; MA09, Bališkės /1/; Ignalina, MB43 /125/; Neringa, EG04, Pervalka /68/; Vilnius, LA85 /1/ (Fig. 183), on *Leonurum cardiacum*, *Stachys arvensis*, *Arctium lappa*, *Ballota nigra*, *Leontodon autumnalis*.

Distribution: Europe (up to 64° N), Caucasus, Turkey, Siberia.

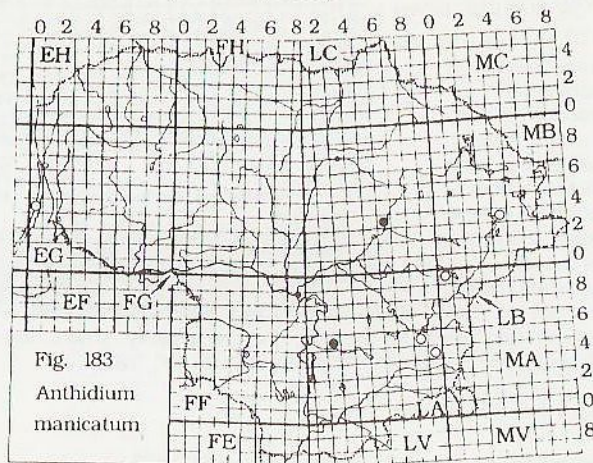


Fig. 183
Anthidium manicatum

***Anthidium punctatum* Latreille, 1809**

Lzd, FF70, Gegutė, 25.VII.1992, 1♀; Prn, LA15, Vilūneliai, 9.VII.1984, 1♂/72, 75/; Zr, MB46, Degučiai, 20.VI.1972, 1♂ (Jak); Neringa, EG03, Nida,

2729.VI.1967, 1♀ 3♂

(Stan), 24.VII.1971, 1♂
(Jon) (Fig. 184), on
Lotus corniculatus,
Anthemis tinctoria.

Distribution: Europe
(up to 63° N), North
Africa, West and
Middle Asia.

Genus *Anthidiellum*
Cockerell, 1904

***Anthidiellum strigatum strigatum* (Panzer, 1805)**

Prn. Vrn, Neringa,
Palanga, 7(6) squar.
(Fig. 185), 13.VII-10.VIII,
8♀, 28.VII-12.VIII, 6♂/69,
70, 75, 5/, usually on
various species of
Leguminosae
(*Medicago falcata*,
Trifolium repens,
Lotus corniculatus,
Medilotus albus),
sometimes *Linaria*
vulgaris, *Hieracium*
pilosella, H.
umbellatum, rare,
discovered in South

Lithuania and near the seaside in the regions, where light soils prevail.

Distribution: temperate Europe (up to 63° N)

Genus *Icteranthidium* Michener, 1948

***Icteranthidium laterale laterale* Latreille, 1809**

Vilnius, LA96, Triju
Kryžių kalnas, 1892,
1♂ (Houw.) (Fig. 186).
The finding place in
Lithuania is outside
the range of this
species.

Distribution: Europe
(South France, North Italy, South Switzerland, Hungary, Bulgaria, Ukraine,

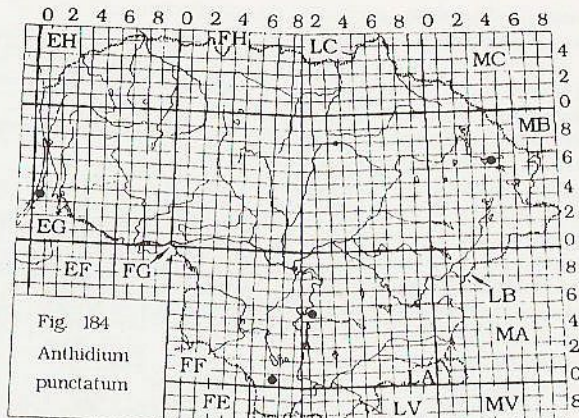


Fig. 184
Anthidiellum
punctatum

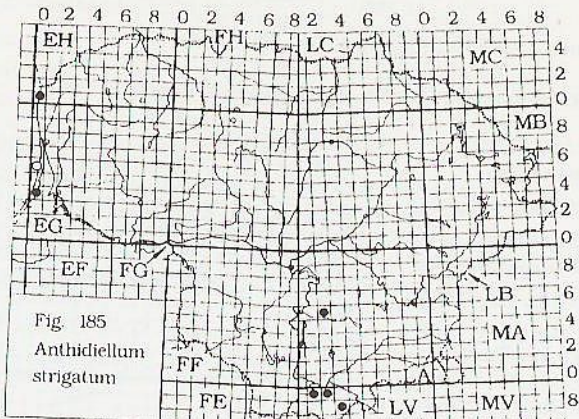


Fig. 185
Anthidiellum
strigatum

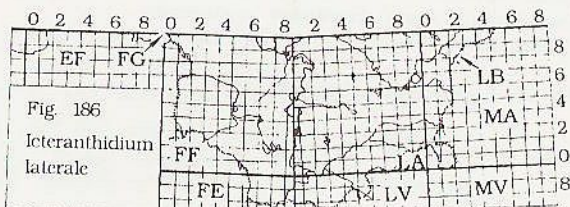


Fig. 186
Icteranthidium
laterale

South Urals), Caucasus, Turkey, North-West Kazakhstan, Uzbekistan, Kirghizia.

Genus *Stelis* Panzer, 1806

***Stelis (Leucostelis) breviscula* (Nylander, 1848)**

Prn. LA25, Anglininkai, 24.VII.1983, 1♀ /75/; Šlu, EG70, Šercitlaukis, 15-
21.VII.1934, ♀♀ /68/; V, LA94, Korystė (Korzysc), 25.VII.1927, 1♀; 3.VIII.1928,

1♀ /1/; Neringa, EG05, Juodkrantė /5/ (Fig. 187), on *Calendula officinalis*.

Distribution: Europe (up to 63° N), North Africa, Caucasus, Turkmenistan.

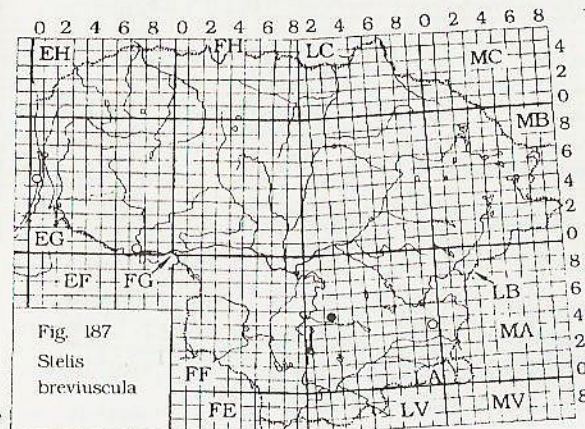


Fig. 187
Stelis
breviscula

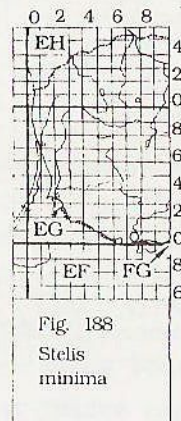


Fig. 188
Stelis
minima

***Stelis (Leucostelis) minima* Schenck, 1859**

Šlu, EG70, Šercitlaukis, 15.VII.1934, 1♀ (Fig. 188) /68/.

Distribution: Central and North Europe (up to 63° N).

***Stelis (Leucostelis) minuta* Lapeletier and Serville, 1825**

Šlu, EG70,
Šercitlaukis,

5.VII.1933, 1♀, 15-
21.VII.1934, ♂♂/68/;
Trakai, LA65,

20.VII.1927, 1♀,
3.VIII.1928, 1♂/1/ (Fig.
189).

Distribution:
Europe (between 64°
and 43° N),
Caucasus.

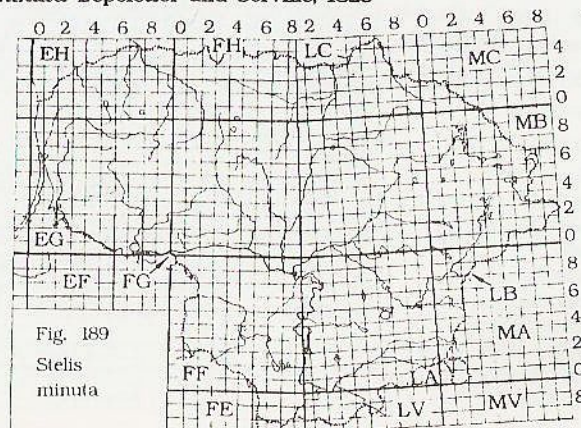
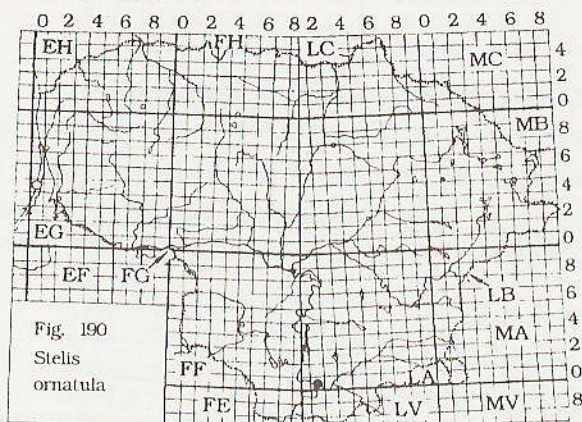


Fig. 189
Stelis
minuta

Stelis (Leucostelis) ornata (Klug, 1807)

Vrn. LA10,
Merkinė, 3.VII.1987,
1♀ /75/; Neringa,
EG04, Pervalka, 4.VI-
13.VIII.1909, ♀♀, 25.V-
18.VII.1909, ♂♂/68/
(Fig. 190), on *Sedum*
acre, *Hieracium* sp.,
Crepis sp.

Distribution:
Europe (between 62°
and 40° N), Iran,
Kazakhstan,
Turkestan.



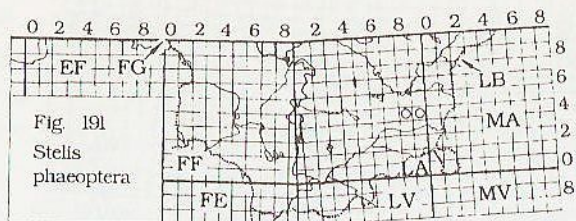
Stelis (Pavostelis) phaeoptera (Kirby, 1802)

Šlu, EG70,
Šreitlaukis 16.VI-17.VIII,
♀♀, 8.VI-31.VIII,
♂♂/68/; V. LA84,
Parudaminys, 1.VIII.1929,
1♀: LA94, Korystė

(Korzysė) 9.VII.1927, 1♀,

2.IX.1927, 1♀ /1/ (Fig. 191), on unidentified species of *Umbelliferae*.

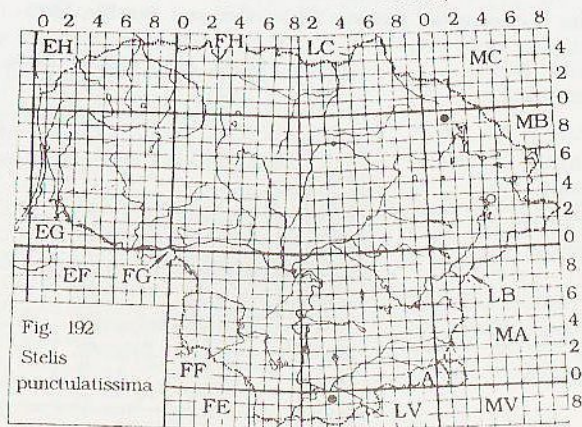
Distribution: Europe (up to 66° N), North Africa, Caucasus, Iran, Uzbekistan, Tadjikistan, Turkestan.



Stelis (Stelis) punctulatissima (Kirby, 1802) (= *aterrima* Panzer)

Rk. MB19,
Bagdoniškis, 5.VIII.1970,
1♀ (Jak); Vrn. LV29,
Marcinkonys,
30.VIII.1976, 1♀ /70/;
Ignalina, MB43,
VIII.1916 /125/ (Fig.
192), on *Hieracium*
pilosella.

Distribution:
Europe (up to 63°
N), North Africa,
Caucasus, West and
Central Siberia,
Kazakhstan.

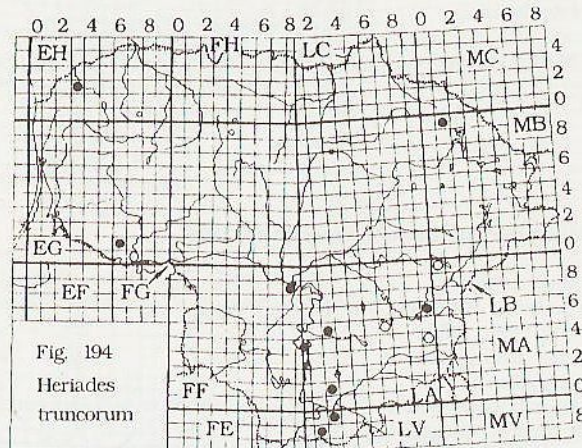
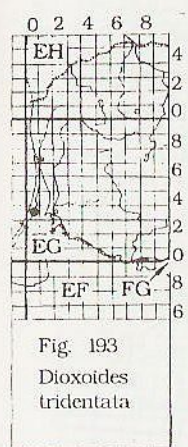


Genus *Dioxoides* Popov, 1947

Dioxoides tridentata (Nylander, 1848)

Neringa, EG03, Nida, 24.VII.1971, 1♂ (Jon) (Fig. 193), 30.VII.1987, 1♂; Trakai, LA65, 30.VII.1928, 1♀ /1/.

Distribution: Europe (up to 62° N), Caucasus.



Genus *Heriades* Spinola, 1808

Heriades truncorum (Linnaeus, 1758)

Al. Prn. Rk. Skd. Šlu, V. Vrn. Kaunas, Trakai, Vilnius, 14(10) squar., 26.VI-20.IX, 79♀, 13.VI-26.VIII, 20♂ (Fig. 194) /1. 68, 70, 75/, usually on various species of *Compositae* (*Achillea millefolium*, *Matricaria inodora*, *Solidago v-aurea*, *Inula salicina*, *Senecio* sp., *Calendula officinalis*, *Hieracium umbellatum*, *H. pilosella*, *Helichrysum arenarium*, *Anthemis tinctoria*, *Leontodon autumnalis*), sometimes on *Campanula* sp. sp., rather widely distributed, but more abundant in urban landscape and near the forests.

Distribution: Europe (up to 63° N), North Africa, Turkey.

Genus *Chelostoma* Latreille, 1809

Chelostoma campanularum (Kirby, 1802) (= *florisomne* auct.; Osytschnjuk et al. 1978, Adolph 1934, Monsevičius 1988)

An. Kš. Prn. Rk. Šlu, Švnė, V. Vrn. Kaunas, 12(10) squar., 3.VII-11.VIII, 29♀, 24.VI-15.VIII, 22♂ (Fig. 195) /1. 68, 70, 75/, on various species of

Campanula (*C. rotundifolia*, *C. glomerata*, *C. persici folia*, *C. rapunculoides*), more abundant in the regions, where are plentiful species of *Campanula*.

Distribution: Europe (up to 63° N), North Africa.

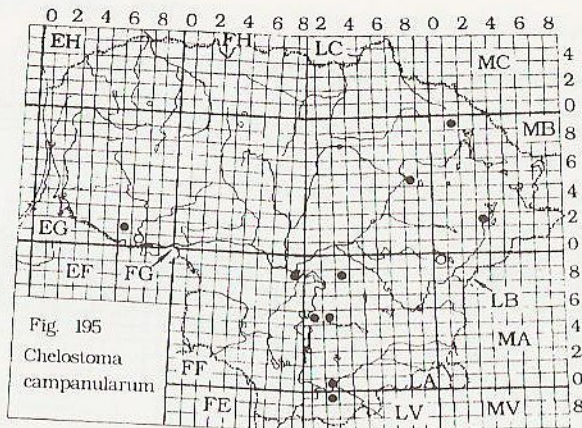


Fig. 195
Chelostoma campanularum

***Chelostoma distinctum* Stoeckert, 1929**

Vrn, LA20, Mardasavas, 25.VI.1985, 1♂ (Fig. 196) /70, 72%, on *Campanula persici folia*.

Distribution: South and Central Europe (up to 57° N).

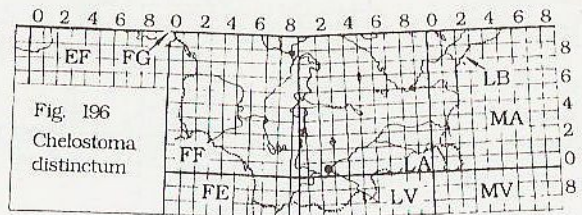


Fig. 196
Chelostoma distinctum

***Chelostoma florissomne* (Linnaeus, 1758) (= *maxillosum* Linnaeus)**

Al, An, Prn, Rk, Šlėn, Šlu, Vrn, Ignalina, Kuršėnai, Švenčionys, Vilnius, 19(16) squar. (Fig.

197), 14.V-20.VII, 44♀, 14.V-15.VI, 27♂/1, 68, 70, 75%, usually on various species of *Ranunculus*, sometimes on

Taraxacum officinale, *Senecio vernalis*, *Hieracium pilosella*, *Glechoma hederacea*, *Leucanthemum*

vulgare, more abundant in river's valleys and in moist bushy meadows.

Distribution: Europe (up to 63° N), North Africa, North America.

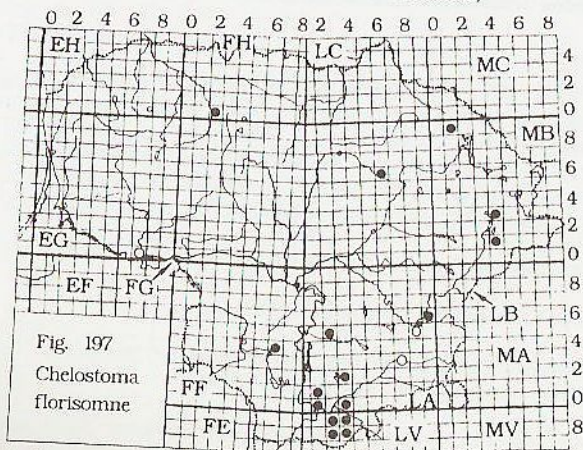


Fig. 197
Chelostoma florissomne

***Chelostoma fuliginosum* (Panzer, 1798) (= *nigricorne* Nylander)**

An, Lzd, Prn, Šlu, Šr, V, Vrn, Ignalina, Kaunas, Trakai, Vilnius, 16(12) squar. (Fig. 198), 23.V-28.VIII,

33♀, 23.V-13.VIII, 17♂/1,

68, 70, 75%, usually on various species of *Campanula*, sometimes on *Geranium palustre*, *Crepis paludosa*, *Echium vulgare*, *Cichorium intybus*, *Convolvulus arvensis*, *Philadelphus* sp., more abundant near brushwoods and little

forests, where are plentiful species of *Campanula*.

Distribution: temperate Europe (up to 66° N), Baikal.

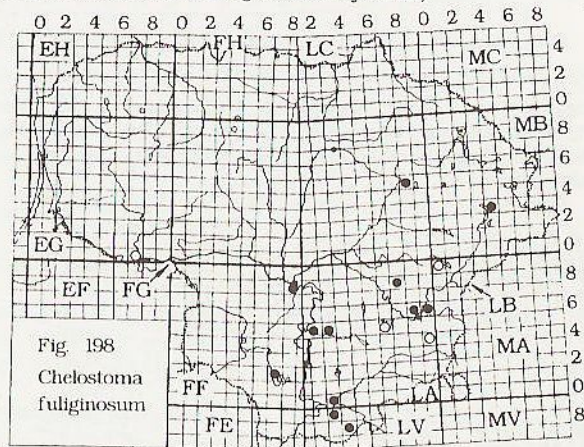


Fig. 198
Chelostoma fuliginosum

Genus *Hoplitis* Klug, 1807

***Hoplitis (Hoplitis) adunca adunca* (Panzer, 1798)**

Al, Lzd, Prn, Trak, V, Vrn, Kaunas, Trakai, 13(10) squar. (Fig. 199), 6.VI-16.VIII,

29♀, 4.VI-10.VII, 10♂/1,

18, 70, 75%, monolectic, on *Echium vulgare*, in agricultural-urban,

especially ruderal landscape, only locally rather abundant.

Distribution: South, South-East and Central Europe (up to 57°N), Turkey.

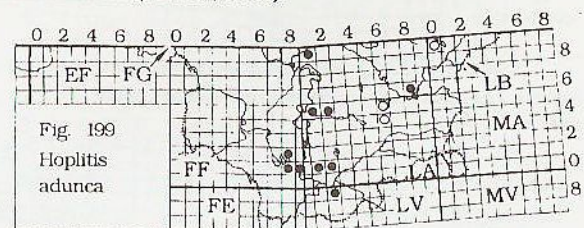


Fig. 199
Hoplitis adunca

***Hoplitis (Hoplitis) anthocopoides anthocopoides* (Schenck, 1853) (= *sptnolae* Schenck)**

Lzd, Šlėn, Vrn, Vilnius, 8(7) squar. (Fig.

200), 14.VI-25.VIII, 9♀,

14.VI-5.VII, 8♂/18, 70,

75%, monolectic, on

Echium vulgare, rare,

discovered in

agricultural-urban, especially ruderal landscape in South Lithuania.

Distribution: South, South-East and Central Europe (up to 57° N), North Africa, North America.

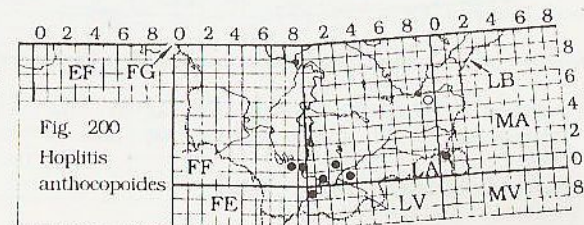
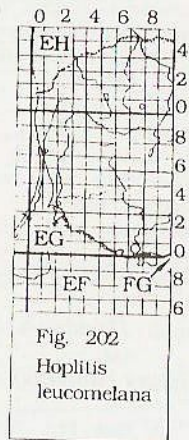
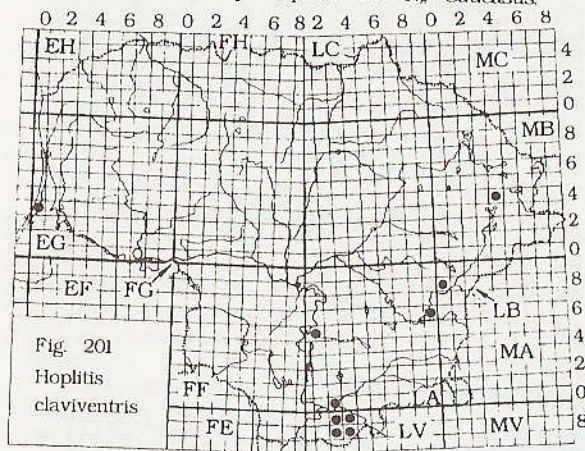


Fig. 200
Hoplitis anthocopoides

Hoplitis (Liosmia) claviventris (Thomson, 1872) (= *leucomelana* auct)

Ign, Prn, Šlu, V, Vrn, Neringa, Vilnius, 1100 squar. (Fig. 201), 3LV-2VIII, 23♀, 1VI-13.VII, 5♂/68, 70, 71, 75/, usually on various species of *Leguminosae* (*Lotus corniculatus*, *Medicago falcata*, *Astragalus arenarius*, *Trifolium repens*, *Vicia* sp.), sometimes on *Linaria vulgaris*, *Hieracium* sp., *Sabia pratensis*, rather rare, more abundant in the regions, where light soils prevail.

Distribution: Europe (up to 66° N), Caucasus.



Hoplitis (Alcidamea) leucomelana (Kirby, 1802) (= *parvula* Dufour and Perris)

Šlu, EG70, Šreitlaukis, 4.VII.1933, 1♀ (Fig. 202) /68/.

Distribution: Europe (up to 57° N), North Africa, Turkey.

Hoplitis (Formicapis) robusta robusta (Nylander, 1848)

Not yet known, but reported from Latvia /132/ near Lithuania.

Distribution: North and Central Europe (in southern part in mountains), North America (?).

Hoplitis (Cyrtozmia) tuberculata tuberculata (Nylander, 1848)

Not yet known, but reported from Latvia /132/ near Lithuania.

Distribution: North Europe (between 68° and 56° N).

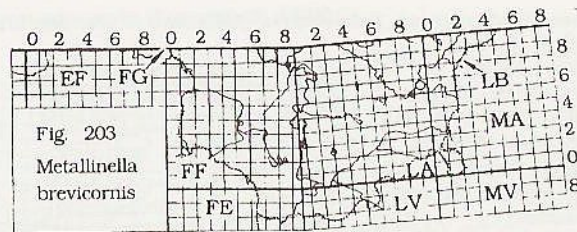
Genus *Metallinella* Tkalcu, 1966

Metallinella brevicornis brevicornis (Fabricius, 1798) (= *atrocoerulea* Schilling)

Vilnius, LA96, Verkiai, 18.V.1930, 1♂ (Fig. 203) /1/. A northern border of

the range passes through South Lithuania.

Distribution: Europe (between 55° and 42° N) without eastern part.



Genus *Osmia* Panzer, 1806

Osmia (Helicosmia) aurulenta (Panzer, 1799)

Not yet known, but reported from Rossitten (Rybatschi) in Kaliningrad obl. (Russia) /68/ near the frontier of Lithuania.

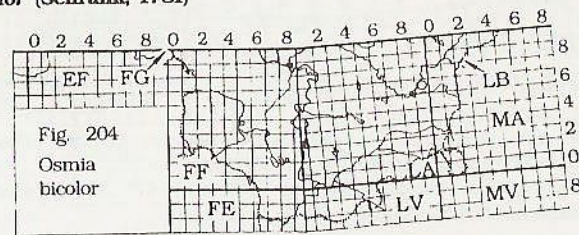
Distribution: Europe (up to 55° N), North Africa.

Osmia (Neosmia) bicolor (Schrank, 1781)

Vilnius, LA96,

1927, 1♀ (Houw.) (Fig. 204).

Distribution: temperate Europe (up to 61° N), up to Middle Asia.



Osmia (Chalcosmia) caerulescens caerulescens (Linnaeus, 1758) (= *aenea* Linnaeus)

Vrn, LV29, Marcinkonys,

22.V.1983, 1♀;

Puvočiai, 17.V.1982,

1♀; Kaunas, FF88,

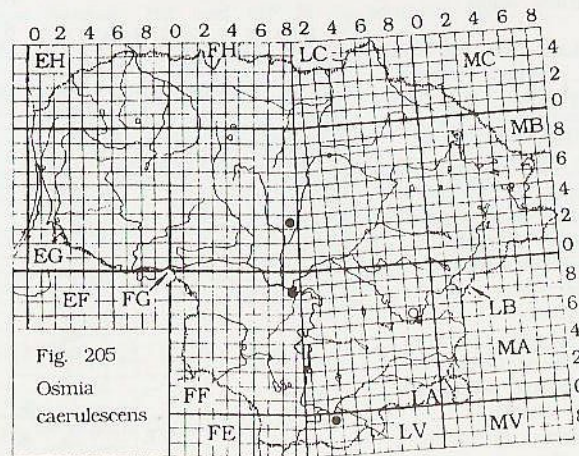
9.VI.1980, 1♀ 1♂ (Bud);

Kėdainiai, FG83,

24.V.1992, 1♀ (Fig.

205) /70/, on *Sarothamnus scoparius*, *Fragaria vesca*, *Viola canina*, *Lamium album*.

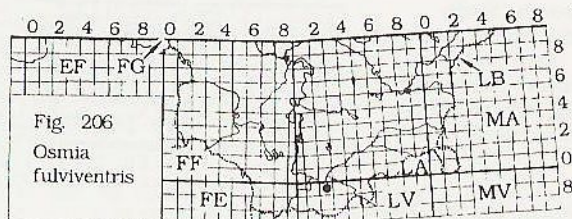
Distribution: Europe (up to 60° N), Caucasus, Uzbekistan, Tadzhikistan, Turkmenistan.



***Osmia (Chalcosmia) fulviventris fulviventris* (Panzer, 1798)**

Vrn. LV29,
Marcinkonys, 16.V.1983,
1♂ (Fig. 206) /70, 74/,
on *Senecio vernalis*. A
northern border of the
range passes through
Lithuania.

Distribution: Europe
(up to 56° N),
Caucasus, Turkey.

***Osmia (Chenosmia) inermis* (Zetterstedt, 1838)**

Vrn. LV29,
Marcinkonys, 6.V.1982,
1♂, 28.V.1982, 1♀.

16.V.1983, 1♀; LV38,

Čepkeliai, 29.V.1984, 4♀
(Fig. 207) /69, 70/, on
Vaccinium vitis-idaea, *V. uliginosum*, *Senecio vernalis*, *Potentilla arenaria*,
rare in Dainava Sandy Plain's forests.

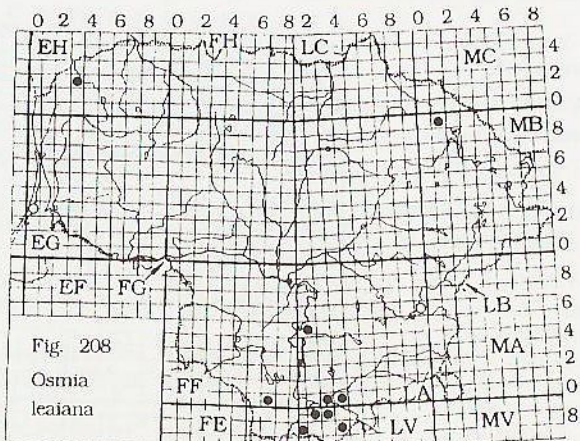
Distribution: Europe (between 70° and 47° N), in southern part in
mountains, North America.

***Osmia (Chalcosmia) leaiana leaiana* (Kirby, 1802) (= *confusa* Morawitz, = *ventralis* auct)**

Lzd, Prn, Rk, Skd,
Vrn. Neringa, Vilnius,
12(10) squar. (Fig. 208),

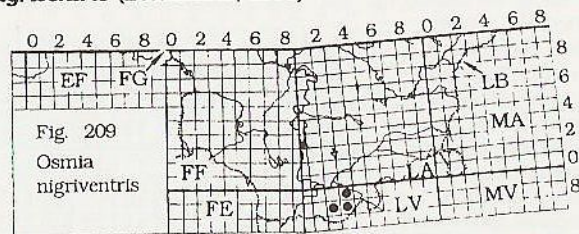
10.V-16.VIII, 43♀, 6.V-
12.VI, 46♂/69, 70, 75/,
usually on various
species of *Compositae*
(*Senecio vernalis*,
Hieracium pilosella,
Hypochoeris sp.,
Taraxacum
officinale, *Crepis*
paludosa, *Centaurea*
maculosa), sometimes
on *Potentilla*
arenaria, *Barbarea*
sp., *Fragaria vesca*,
Veronica sp., *Ranunculus* sp., in Dainava Sandy Plain's forests locally
rather abundant, elsewhere rare.

Distribution: Europe (up to 63° N), North Africa, Caucasus, Turkey,
North Kazakhstan.

***Osmia (Centrosmia) nigriventris* (Zetterstedt, 1838)**

Vrn. 3(3) squar.
(Fig. 209), 15.V-3.VII,
9♀, 23.V, 2♂/69, 70/,
on *Vaccinium vitis-idaea*, *Geum rivale*,
Viola montana,
Taraxacum
officinale, *Vicia*
cassubica, *Caragana arborescens*, rather rare in Dainava Sandy Plain's
forests.

Distribution: North and Central Europe (between 69° and 46° N, in
southern part in mountains), North America.

***Osmia (Melanosmia) parietina* Curtis, 1828**

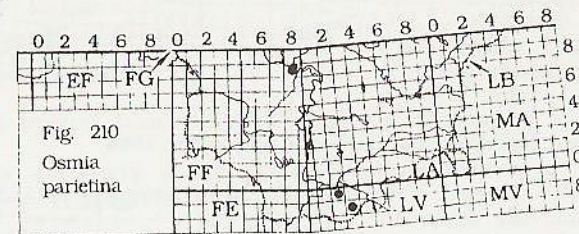
Vrn. LV38,
Čepkeliai, 3.VII.1980,
2♂, LV29,
Marcinkonys, 28.V.1982,

1♀, LV1985, 1♀;
Kapiniškiai, 6.V.1984,
1♂; Kaunas, FF88,

2.VII.1978, 1♀ (Bud),

9.VII.1980, 2♀ (Bud) (Fig. 210) /69, 70/, on *Taraxacum officinale*, *Fragaria*
vesca, *Viola montana*.

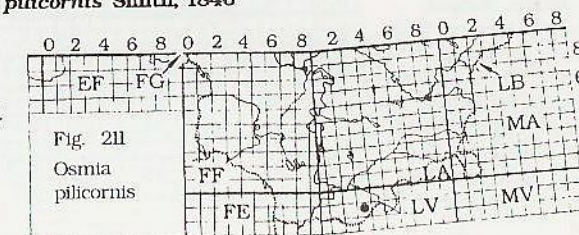
Distribution: Europe (between 69° and 46° N, in southern part in
mountains).

***Osmia (Melanosmia) pilicornis* Smith, 1846**

Vrn. LV38,
Pogarenda, 8.VII.1980,

1♀, 22.IV.1983, 1♂ (Fig.
211) /69, 70/, on
Geum rivale, *Salix*
sp., rare in Dainava
Sandy Plain's moist
forests.

Distribution: Europe (between 62° and 46° N, in southern part in
mountains).

***Osmia (Osmia) rufa cornigera* (Rossi, 1790)**

An, Lzd, Mlt, Pkr, Prn, Šlu, V, Vrn, Ignalina, Kaunas, Klaipeda, Neringa,
Trakai, Vilnius, 24(19) squar. (Fig. 212), 12.IV-3.VII, 41♀, 12.IV-25.V, 73♂/1, 2, 68,

70, 75/, on *Salix* sp. sp., *Acer platanoides*, *Malus domestica*, *Taraxacum officinale*, *Geum rivale*, *Potentilla arenaria*, *Tussilago farfara*, *Ribes nigrum*, *Vicia cracca*, *Pulmonaria obscura*, *Lathyrus silvester*, *Cydonia oblonga*, *Caragana arborescens*, *Anchusa officinalis*, rather widely distributed, but only locally more abundant, especially in urban landscape.

Distribution: Europe (up to 60° N, without western part and Scandinavia), Turkey, Iran.

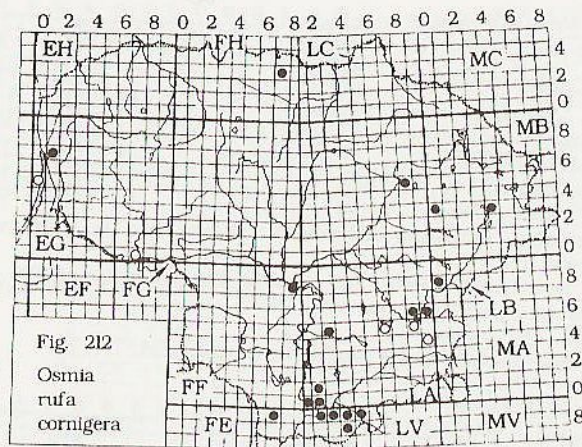


Fig. 212

Osmia rufa
Osmia cornigera

***Osmia (Melanosmia) uncinata* Gerstaecker, 1868**

Vrn. Neringa, Vilnius, 9(6) squar. (Fig. 213), 14.V-9.VI, 16♀, 22IV, 1♂/1, 68, 70/, on *Geum rivale*, *Taraxacum officinale*, *Vaccinium vitis-idaea*, *Salix* sp. sp., *Rubus idaeus*, *Myosotis stricta*, *Viola canina*, *Pulsatilla patens*, *Vicia sepium*, *Potentilla arenaria*, *Veronica* sp., rather rare, discovered in forests, recently only in Dainava Sandy Plain.

Distribution: North and Central Europe (between 69° and 46° N, in southern part in mountains).

Genus *Megachile* Latreille, 1802

***Megachile alpicola* Alfken, 1924**

Ign. Prn. Šlčn. V. Vrn. Palanga, 12(1) squar. (Fig. 214), 1VI-14VIII, 21♀ 15♂/1, 70, 71, 75/, usually on various species of *Leguminosae* and

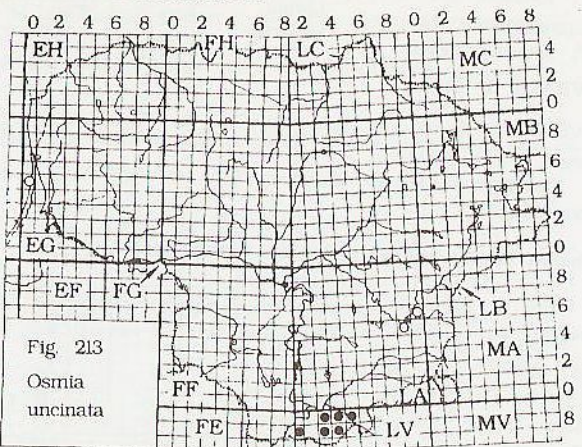


Fig. 213

Osmia uncinata

Compositae (*Medicago falcata*, *Lotus corniculatus*, *Vicia silvatica*, *Sarothamnus scoparius*, *Hieracium pilosella*, *H. umbellatum*, *Solidago v-aurea*), sometimes on *Linaria vulgaris*, *Epilobium hirsutum*, *Galeopsis* sp., rather rare, more abundant in the regions, where light soils prevail.

Distribution: Central and North Europe (up to 65°N).

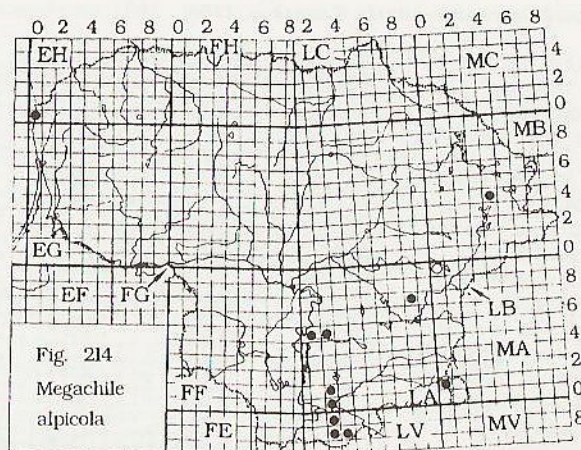


Fig. 214

Megachile alpicola

***Megachile analis* Nylander, 1852**

Not yet known, but reported from Latvia /132, 102, 104, 105/ near Lithuania.

Distribution: temperate and North Europe (up to 69° N, in southern part in mountains), Caucasus, Mongolia (?).

***Megachile apicalis* Spinola, 1808**

Not yet known, but reported from Mehlsack (Pieniężno) /5/, Lotzen (Gizycko) /5/ in North Poland and from Kaliningrad obl. (Russia) /5/ near the frontier of Lithuania.

Distribution: Europe (up to 55° N), North Africa, Uzbekistan, Tadjikistan.

***Megachile bombycina* Radoszkowski, 1874**

Ignalina, MB43, IX.1916, 1♀ /125/; Trakai, LA65, 30.VII.1928, 1♀ /1/ (Fig. 215).

Distribution: eastern part of Central Europe, South-East and East Europe (up to 63° N), West and Middle Asia.

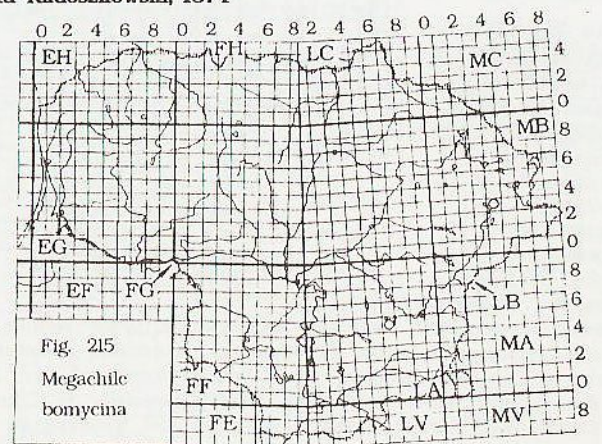


Fig. 215

Megachile bombycina

Megachile centuncularis (Linnaeus, 1758)

Lzd, Prn, V,
Vrn, Neringa,
Trakai, 10(5) squar.
(Fig. 216), 5.VI-25.VIII,
10♀, 4.VI-11.VIII, 6♂/1,
5, 68, 70, 75/
usually on various
species of
Leguminosae and
Compositae
(*Medicago falcata*,
Melilotus officinalis,
Lathyrus pratensis,
Lotus corniculatus,
Hieracium sp.,
Inula britannica,
Calendula
officinalis, *Solidago*
v-aurea, *Centaurea jacea*, *Arctium lappa*), sometimes on *Knautia arvensis*,
Erodium cicutarium, *Rubus* sp., *Lythrum* sp., rather rare, more abundant in
the regions, where light soils prevail.
Distribution: Europe (up to 63° N), West and Middle Asia.

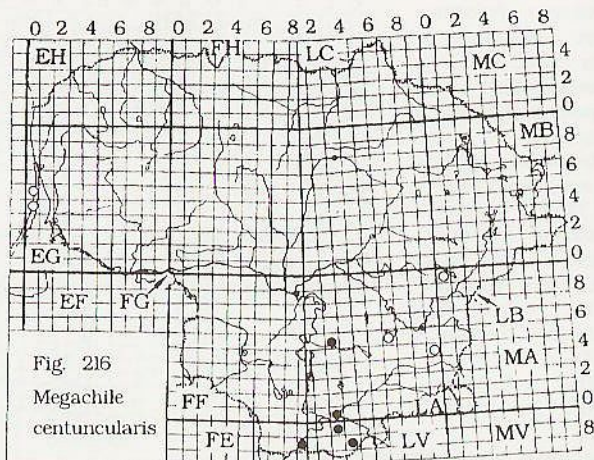


Fig. 216
Megachile
centuncularis

Megachile circumcincta (Kirby, 1802)

An, Ign, Lzd,
Šlėn, Šlu, Švnė, V,
Vrn, Druskininkai,
Neringa, Vilnius,
25(22) squar. (Fig.
217), 25.V-9.VIII,
157♀, 25.V-3.VIII,
71♂/1, 5, 68, 70, 71,
75/, usually on
various species of
Leguminosae (*Lotus*
corniculatus,
Astragalus
arenarius, *Vicia*
silvatica, *V.*
cassubica, *V.*
cracca, *Trifolium*
lupinaster, *Lathyrus*
silvester, *L. pratensis*, *Anthyllis polyphylla*, *Lupinus polyphyllus*, *Onobrychis*
viciaefolia, *Coronilla varia*, *Sarothamnus scoparius*), sometimes on various
species of another families, rather widely distributed, but more abundant
in the regions, where light soils prevail, especially in Dainava Sandy Plain.
Distribution: Europe (between 65° and 45° N), Mongolia.

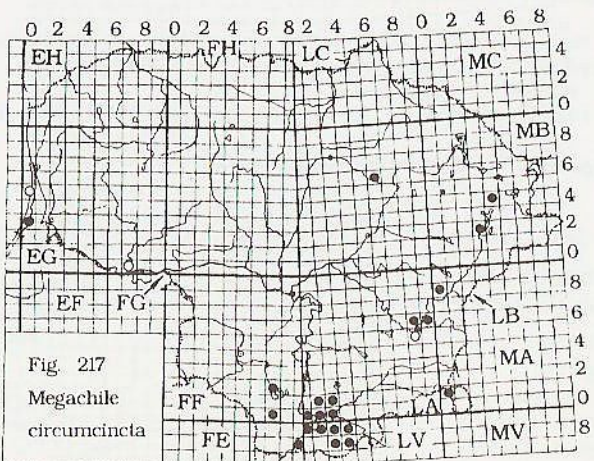


Fig. 217
Megachile
circumcincta

Megachile ericetorum Lepeletier, 1841

Kš, LA36, Kaukinė,
22.VIII.1994, 1♀ (Šab.); Lzd,
FF81, Mankūnėliai,
16.VII.1986, 1♂; V, LA94,
Korystė (Korzyscl,
28.VIII.1927, 1♀ (Fig. 218)
/1/ on *Arctium lappa*.
Distribution: Europe (up to 62° N), North Africa, Caucasus, Turkey.



Fig. 218
Megachile
ericetorum

Megachile genalis Morawitz, 1880

Not yet known, but reported from Latvia /M. Poikans - personal
report/ near Lithuania.
Distribution: eastern part of Central Europe (up to 57° N), East and
South-East Europe, Tien Shan, Tadjikistan, Japan.

Megachile lagopoda (Linnaeus, 1761)

Trakai, LA65, 11.VIII.1928,
1♀ /1/; Vilnius, LA96,
Pavilnys, 18.VIII.1978,
1♀ (Bud) (Fig. 219).
Distribution: Europe (up
to 62° N), North Africa,
Asia up to Japan.

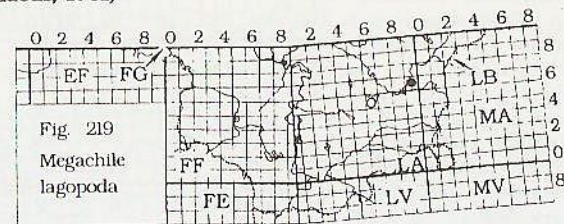


Fig. 219
Megachile
lagopoda

Megachile lapponica Thomson, 1872

Ign, MB44, Akriemai, 13.VII.1980, 1♂ (Fig. 220) /69, 71/, on *Hieracium* sp.
Distribution: Europe (between 66° and 50° N), Japan.

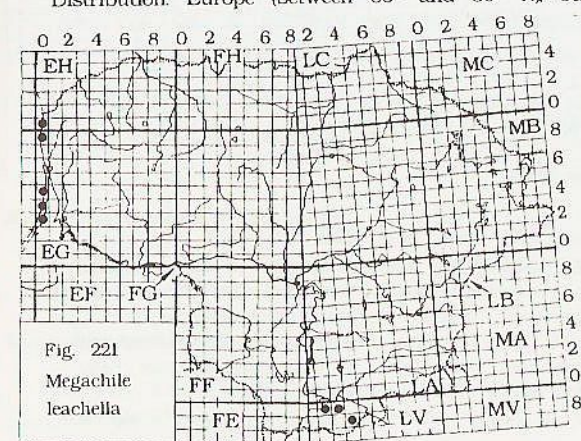


Fig. 221
Megachile
leachella

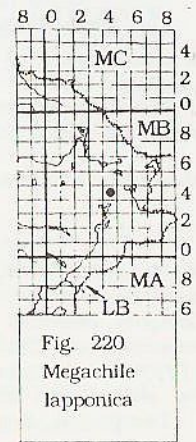


Fig. 220
Megachile
lapponica

Megachile leachella Curtis, 1828 (= *argentata* auct.)

Vrn, Neringa, Palanga, 8(8) squar. (Fig. 221), 26.VI-12.VIII, 36♀, 24.VI-30.VII, 38♂/5, 68, 70/, on various yellow blooms species of *Compositae*, *Linaria vulgaris*, *Thymus serpyllum*, *Heltanthenum nummularum*, *Lotus corniculatus*, rather abundant in Curonian Isthmus, in Dainava Sandy Plain and near the seaside rare.

Distribution: Europe (up to 63° N), North Africa, West and Middle Asia.

Megachile ligniseca (Kirby, 1802)

An, Kdn, Lzd, Mlt, Prn, Ukm, V, Vrn, 11(9) squar. (Fig. 222), 14.VII-27.VIII,

11♀, 5.VII-27.VIII, 7♂/1, 70, 75/, usually on various species of *Compositae* (*Cirsium* sp., *Centaurea jacea*, *C. maculosa*, *Inula salicina*, *Hieracium* sp.), sometimes on *Knautia arvensis*, rather rare, more abundant in agricultural landscape, where heavy soils prevail.

Distribution: temperate Europe (up to 63° N), Caucasus, Japan.

Megachile maacki Radoszkowski, 1874

Ign, MB44, Akriemiai, 12-13.VII.1980, 4♀ (Fig. 223) /69, 71, 76/, on *Vicia sibirica*, discovered in spruce forest. Included in the Red Data Book of Lithuanian fauna.

Distribution: eastern part of Central Europe (usually in mountains), North and East Europe, North Asia up to Baikal.

Megachile maritima (Kirby, 1802)

V, Vrn, Neringa, Palanga, 12(9) squar. (Fig. 224), 20.VI-10.IX, 22♀, 6.VI-20.VIII, 14♂/1, 5, 68, 70, 75/, usually on various species of *Leguminosae* and *Compositae* (*Astragalus arenarius*, *Lotus corniculatus*, *Medicago falcata*, *Lathyrus pratensis*, *Centaurea* sp., *Arctium lappa*, *Helichrysum* sp.), sometimes on *Chamaenerium angustifolium*, *Thymus serpyllum*, *Anchusa officinalis*, *Knautia arvensis*, more abundant in Curonian Isthmus, near the seaside and in Dainava Sandy Plain, elsewhere rare.

Distribution: Europe (up to 60° N), Tadzhikistan, Tien Shan, Kazakhstan.

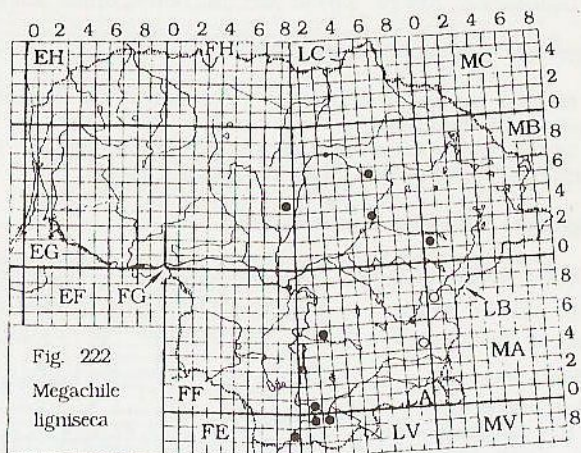


Fig. 222
Megachile
ligniseca

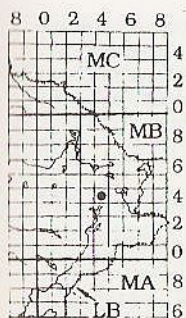


Fig. 223
Megachile
maacki

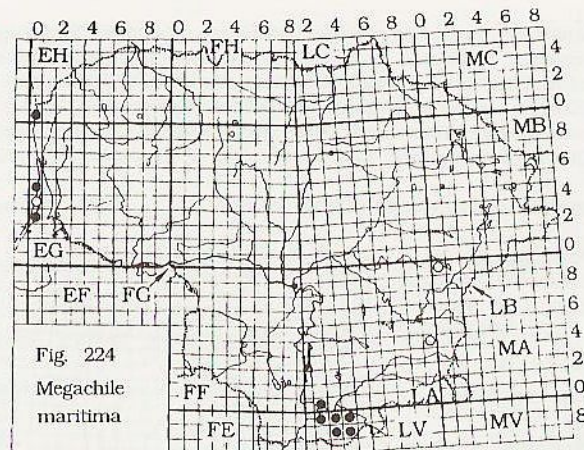


Fig. 224
Megachile
maritima

Megachile nigriventris Schenck, 1870

Ign, MB44, Akriemiai, 12.VII.1980, 1♂ (Fig. 225) /69, 71/, discovered in spruce forest.

Distribution: Europe (between 65° and 46°N, in southern part in mountains).

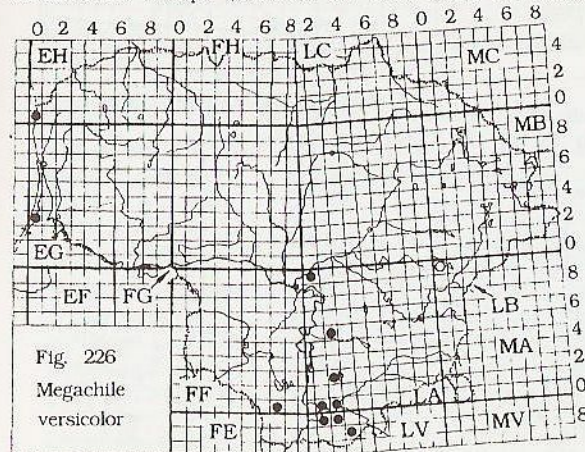


Fig. 226
Megachile
versicolor

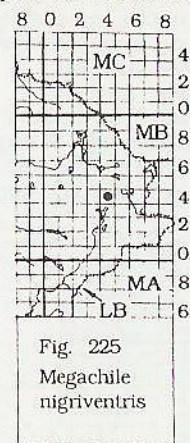


Fig. 225
Megachile
nigriventris

Megachile pyrenaea Perez, 1890

Not yet known, but reported from Latvia /132/ near Lithuania.
Distribution: Europe (between 63° and 43° N, up to 30° E).

Megachile versicolor Smith, 1844

Lzd, Prn, Vrn, Daugai, Kaunas, Neringa, Palanga, 12(11) squar. (Fig. 226), 29.VI-5.IX, 21♀, 12.VI-8.VIII, 10♂ /1, 70, 75/, usually on various species of

Leguminosae and Compositae (*Medicago falcata*, *Trifolium repens*, *Lotus corniculatus*, *Lathyrus pratensis*, *Hieracium* sp., *Inula britannica*, *Centaurea maculosa*, *Carduus crispus*, *Solidago v-aurea*, *Hypochoeris* sp.), sometimes on *Echium vulgare*, *Thymus serpyllum*, rather rare, more abundant in Dainava Sandy Plain and near the seaside.

Distribution: Europe (up to 65° N).

Megachile willughbiella (Kirby, 1802)

An. Šlu, Ut, V, Vrn, Kaunas, Neringa, Palanga, 11(9) squar. (Fig. 227), 3.VI-19.VIII.

42♀ 38♂/1, 68, 70/, usually on various species of Leguminosae, sometimes on *Coronaria flos-cuculi*, *Melampyrum pratense*, *Campanula* sp., *Rhinanthus* sp., *Ranunculus acer*, *Convolvulus arvensis*, *Sedum acre*, *Solidago v-aurea*, *Linaria vulgaris*, more abundant in Dainava Sandy Plain, elsewhere rather rare.

Distribution: Europe (up to 66° N), Caucasus, Siberia, Japan.

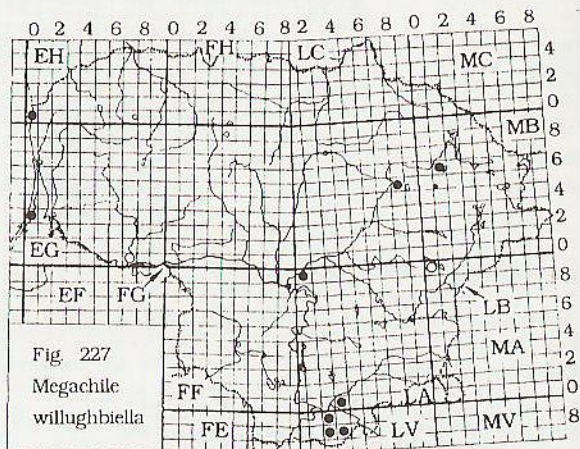


Fig. 227
Megachile willughbiella

Genus *Coelioxys* Latreille, 1809

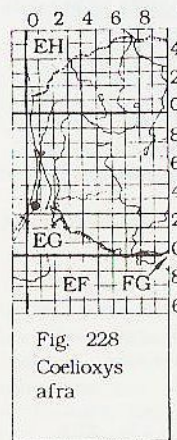


Fig. 228
Coelioxys afra

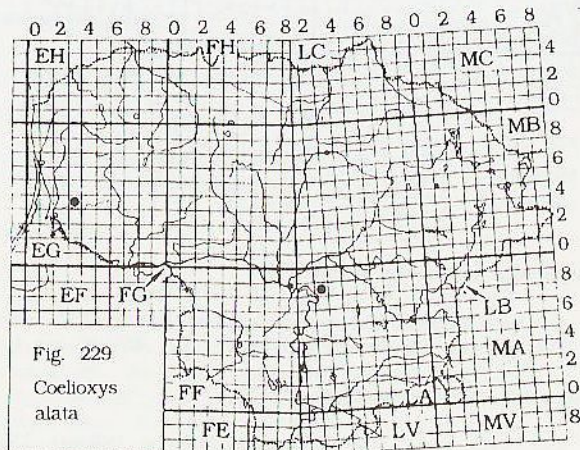


Fig. 229
Coelioxys alata

Coelioxys afra Lepeletier, 1841

Neringa, EG03, Nida, 26.VI.1971, 1♂ (Jak.), 30.VII.1987, 1♂ (Fig. 228) /74/, on unidentified yellow blooms species of Compositae.

Distribution: Europe (up to 60° N), North Africa, Caucasus, Turkey, Turkmenia, Tadzhikistan, Uzbekistan.

Coelioxys alata Foerster, 1853

Šlu, EG34, Stankaičiai, 11.VIII.1984, 1♀ /74/; Kš, LA28, Būda, 1.VIII.1994,

1♀ (Šab) (Fig. 229)

Distribution: Europe without western part (between 62° and 42° N).

Coelioxys aurolimbata Foerster, 1853

V, LA94, Korystė (Korzysc), 21.VIII.1927,

1♀ (Fig. 230) /1/.

Distribution: Europe (up to 62° N), North Africa, Caucasus, Uzbekistan, Turkmenia, Tadzhikistan.



Fig. 230
Coelioxys aurolimbata

Coelioxys conoidea (Illiger, 1806)

Lzd, Šlu, V, Vrn, Ignalina, Neringa, Palanga, 9(7) squar. (Fig. 231), 26.VI-LIX,

14♀, 26.VI-12.VIII, 7♂/68, 125, 70, 75/, on *Scabiosa ochroleuca*, *Echium vulgare*, more abundant in South Lithuanian agricultural-urban landscape and near the seaside, where light soils prevail, elsewhere rare.

Distribution: Europe (up to 62° N), North Africa, Caucasus, Turkey, Iran, Uzbekistan.

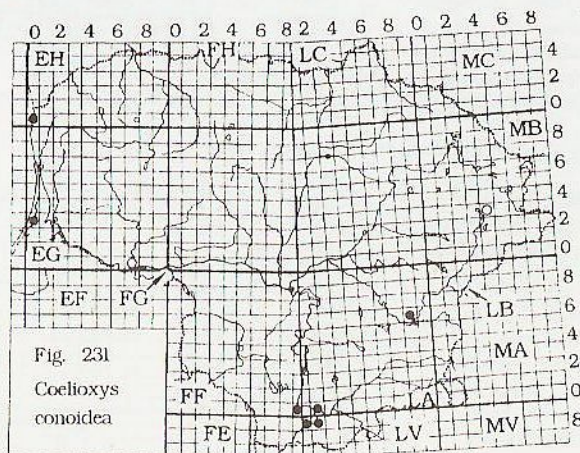
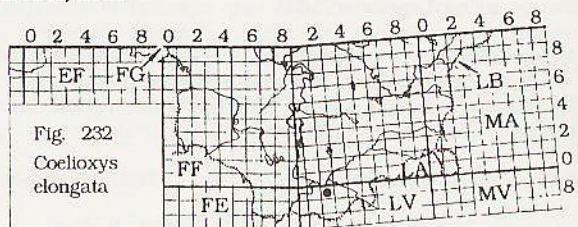


Fig. 231
Coelioxys conoidea

Coelioxys elongata Lepeletier, 1841

Vrn, LV29,
Kapiniškiai, 14.VIII.1983,
1♀, 19.VIII.1983, 1♀
(Fig. 232) /70, 72/, on
Lathyrus pratensis,
Campanula
rapunculoides.

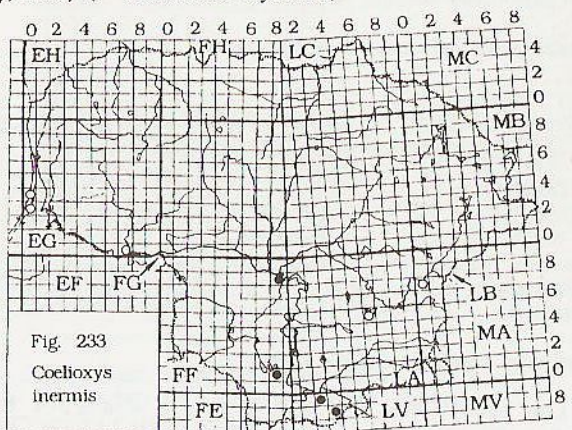
Distribution: Europe
(up to 63° N), North Africa, Caucasus, Iran.



Coelioxys inermis (Kirby, 1802) (= *acuminata* Nylander)

Lzd, Šlu, V, Vrn,
Kaunas, Neringa,
Trakai, 9(4) squar.
(Fig. 233), 23.VI-19.VIII,
5♀, 30.V-22.VII, 4♂/1,
68, 70/, on
Chamaenerium
angustifolium,
Convolvulus arvensis,
Knautia arvensis,
Melilotus of ficinalis,
Galinsoga parviflora,
Allium cepa, *Veronica*
longifolia, *Anthemis*
tinctoria, rare, more
abundant in Dainava
Sandy Plain and in Curonian Isthmus.

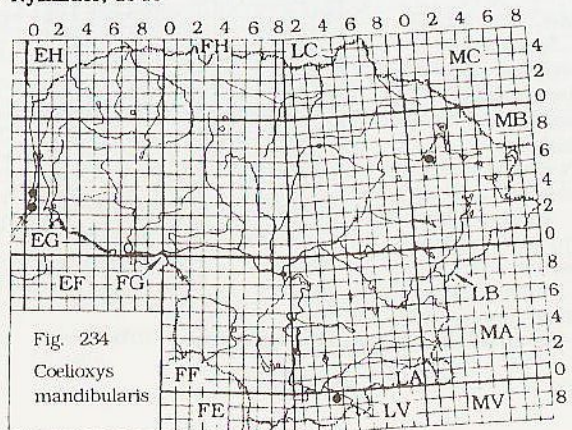
Distribution: Europe (up to 66° N), North Africa, Caucasus.



Coelioxys mandibularis Nylander, 1848

Šlu, Ut, Vrn,
Neringa, 5(4) squar.
(Fig. 234), 25-27.VI,
13♀, 23.VI-30.VII,
20♂/68, 74/, on
Arnica montana, in
Curonian Isthmus
rather abundant,
elsewhere rare.

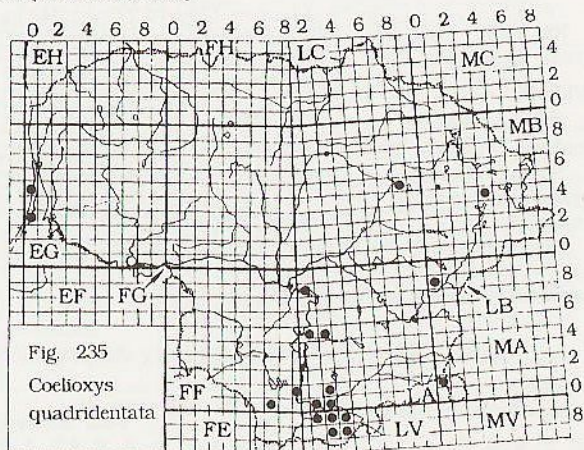
Distribution:
temperate Europe (up
to 63° N), Caucasus,
Kazakhstan,
Tadjikistan, West
Siberia, Baikal.



Coelioxys quadridentata (Linnaeus, 1761)

An, Ign, Kš, Lzd,
Prn, Šlčn, Šlu, V,
Vrn, Neringa, 20(19)
squar. (Fig. 235), 8.VI-
31.VII, 44♀, 3.VI-12.VII,
16♂/5, 68, 69, 70, 71,
75/, usually on
various species of
Leguminosa (*Vicia*
silvatica, *Trifolium*
lupinaster, *Lotus*
corniculatus,
Astragalus arenarius,
Melilotus albus,
Medicago falcata),
sometimes on
Knautia arvensis,
Thymus serpyllum, *Chamaenerium angustifolium*, *Melampyrum pratense*,
Anthemis tinctoria, rather widely distributed, but it is not abundant.

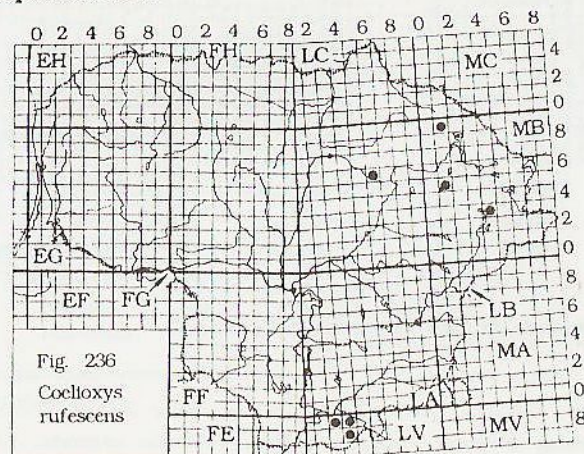
Distribution: Europe (between 66° and 40° N), West Asia.



Coelioxys rufescens Lepeletier, 1825

An, Rk, Ut, Vrn,
Ignalina, 7(7) squar.,
25.VI-2.VIII, 8♀ 6♂ (Fig.
236) /69, 70/, on
Melilotus of ficinalis,
Knautia arvensis,
Chamaenerium
angustifolium,
everywhere rather
rare.

Distribution:
Europe (up to 65°
N), North Africa,
Caucasus, Turkey,
Iran, Kazakhstan,
Uzbekistan, Pamirs,
Central Siberia.



Family ANTHOPHORIDAE

Genus *Nomada* Scopoli, 1770

Nomada argentata Herrich-Schaffer, 1839

Not yet known, but reported from Latvia /132/ near Lithuania.
Distribution: Europe (up to 60° N and 30° E).

Nomada armata Herrich-Schaffer, 1839

Kš, Šlčn, Vrn, 4(4) squar. (Fig. 237), 21.VI-8.VIII, 6♀, 29.VI, 1♂/70, 72, 75/, monolectic, on *Knautia arvensis*, rare in South Lithuanian agricultural-forest landscape.

Distribution: Europe (up to 63° N), Turkey.

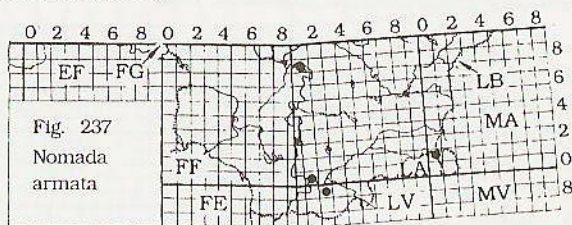


Fig. 237
Nomada armata

Nomada baccata Smith, 1844

Šlu, EG70, Šreitlaukis, 15-20.VII.1934, ♀♀♂♂ (Fig. 238) /68/, on *Thymus serpyllum*.

Distribution: Europe (between 62° and 46° N).

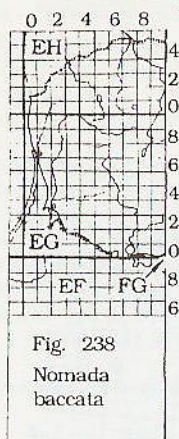


Fig. 238
Nomada baccata

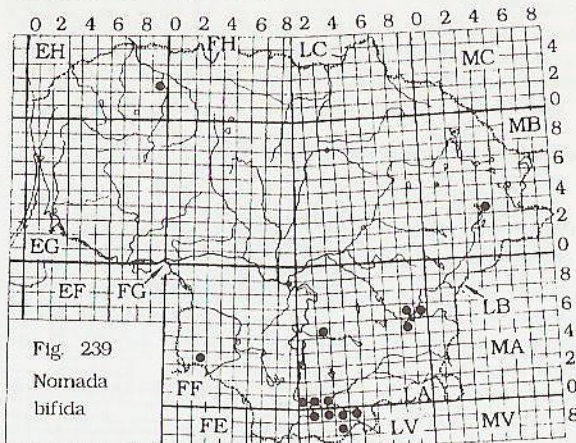


Fig. 239
Nomada bifida

Nomada bifida Thomson, 1872

Akm, Prn, V, Vlkv, Vrn, Ignalina, Vilnius, 15(15) squar. (Fig. 239), 1-23.V, 14♀, 13.IV-17.V, 31♂/1, 2, 70, 75/, on *Salix* sp. sp., *Taraxacum officinale*, *Arabis arenosa*, *Pulsatilla patens*, *Potentilla arenaria*, *Alysum gmelini*, *Cerastium arvensis*, *Tussilago farfara*, more abundant in Dainava Sandy Plain.

Distribution: Europe (between 63° and 46° N), West Siberia.

Nomada conjungens Herrich-Schaffer, 1839

Lzd, FF72, Padusys, 7.VI.1991, 1♀ 1♂; Kn, LA19, Lapės, 18.V.1989, 2♂; Kėdainiai, FG83, 18.V.1991, 2♂, 3.VI.1991, 1♀ 1♂, 24.V.1992, 1♂ (Fig. 240) /77/.

on *Fragaria vesca*, *Veronica* sp., unidentified species of *Umbelliferae*, discovered in agricultural-urban landscape, where heavy soils prevail. A northern border of the range passes through Lithuania.

Distribution: Europe (up to 56° N and 30° E), North Africa, Turkey.

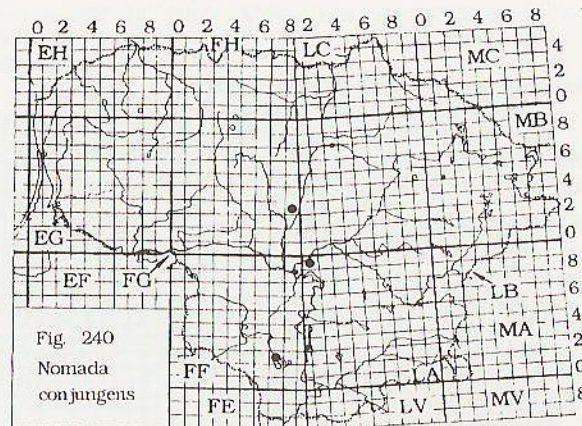


Fig. 240
Nomada conjungens

Nomada emarginata Morawitz, 1877

Trakai, LA65, 18.VIII.1928, 1♂ (Los) (Fig. 241) /74/. A northern border of the range passes through South Lithuania.

Distribution: Europe without western part (between 55° and 45°N).

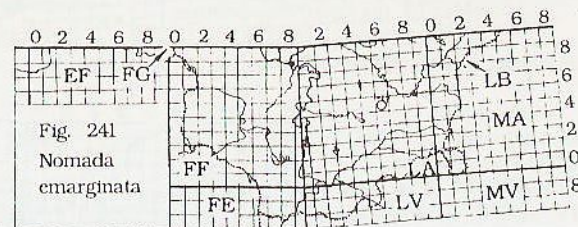


Fig. 241
Nomada emarginata

Nomada fabriciana (Linnaeus, 1767)

Prn, LA25, Anglininkai, 11.VII.1984, 1♀ /75/; Vilnius, LA85, Paneriai, 17.V.1933, 1♂/2/ (Fig. 242), on *Potentilla*.

Distribution: Europe (up to 57° N), Turkey.

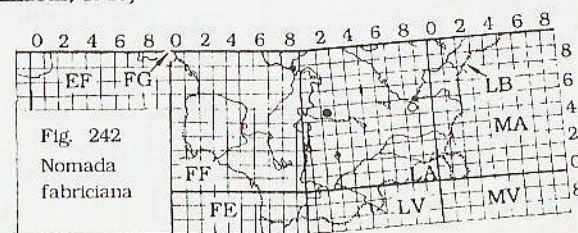


Fig. 242
Nomada fabriciana

Nomada femoralis Morawitz, 1869

Vrn, Vilnius, 4(4) squar. (Fig. 243), 30.V-7.VI, 6♀ /70, 72/, on *Hieracium pilosella*, rare in Dainava Sandy Plain's forests. A northern border of the range passes through South Lithuania.



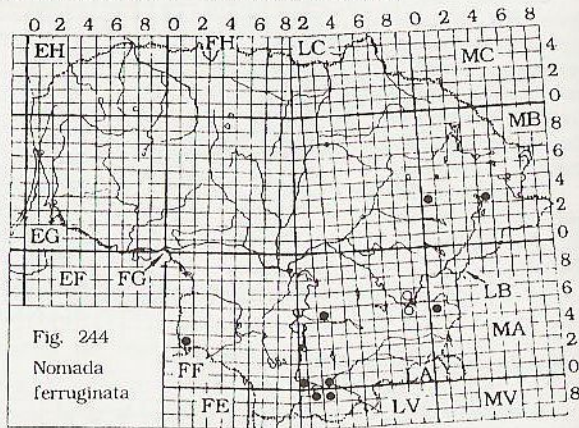
Fig. 243
Nomada femoralis

Distribution: Europe (up to 55° N and 30° E), North Africa, Turkey.

Nomada ferruginata (Linnaeus, 1767) (= xanthosticta Kirby)

Mt. Prn, V, Vlkv, Vrn, Ignalina, Vilnius, 11(9) squar. (Fig. 244), 24.IV-15.V, 14♀, 23.IV-9.V, 12♂/1, 70, 75/, on *Salix* sp. sp., *Tussilago farfara*, *Arabis arenosa*, more abundant in the regions, where heavy soils prevail.

Distribution: Europe (between 58° and 42° N).



Nomada flava Panzer, 1798

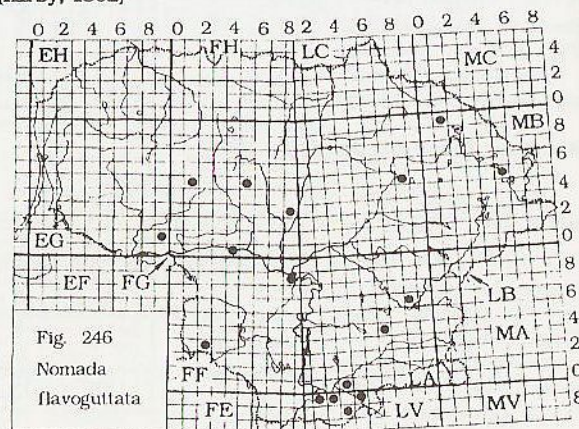
Vrn, LV29, Marcinkonys, 14.V.1983, 1♂, LV39, Kašėtos, 27.V.1982, 1♂ (Fig. 245), Pln, EG68, Medingenai, 2.VI.1982, 1♂, (70, 72/), on *Lamium album*, *Geranium* sp., *Taraxacum officinale*.

Distribution: Europe (up to 57° N and 40° E).



Nomada flavoguttata (Kirby, 1802)

An, Ign, Jrb, Klm, Rd, Rk, Trak, Trg, Vlkv, Vrn, Kaunas, Kedainiai, Vilnius, 17(17) squar. (Fig. 246), 2V-15.VIII, 21♀, 2V-I.VIII, 19♂/69, 70, 75/, on *Potentilla arenaria*, *Fragaria vesca*, *Taraxacum officinale*, *Tussilago farfara*, *Stellaria* sp., rather widely distributed, but more abundant in the regions, where heavy soils prevail.



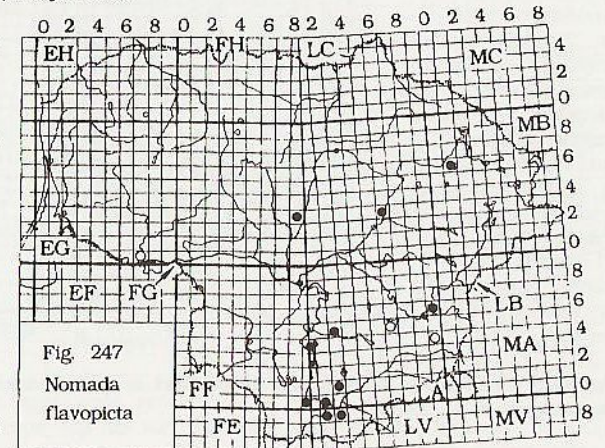
Distribution: Europe (up to 65° N), North Africa, Asia up to Japan.

Nomada flavopicta (Kirby, 1802)

Al, An, Lzd, Prn, Šiu, Ut, V, Vrn, Kedainiai, Trakai, Vilnius, 14(11) squar. (Fig. 247), 26.VI-15.VIII, 36♀, 22.VI-15.VIII, 18♂/1, 68, 70, 75/, on *Senecio* sp., *Knautia arvensis*, *Solidago v-aurea*, *Scabiosa ochroleuca*, *Melilotus albus*, *Hieracium pilosella*, *Inula salicina*, *Trifolium arvense*, unidentified species of *Umbelliferae*,

more abundant in the agricultural-urban landscape, where light soils prevail.

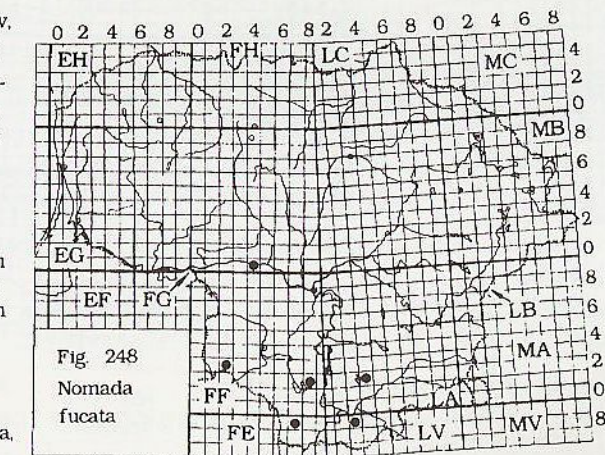
Distribution: Europe (up to 63° N), West Asia.



Nomada fucata Panzer, 1798

Al, Jrb, Lzd, Vlkv, Vrn, 6(6) squar. (Fig. 248), 6-30.V, 45♀, 1V-8.VIII, 4♂/70, 72/, on *Melilotus albus*, *Salix* sp., in agricultural landscape, where heavy soils prevail only locally rather abundant. A northern border of the range passes through South Lithuania.

Distribution: Europe (up to 55° N), North Africa, Uzbekistan, Turkmenia, Kazakhstan.



Nomada fulvicornis Fabricius, 1793 (= lineola Panzer)

Akm, Al, Jrb, Klm, Lzd, Prn, Šl, V, Vrn, Ignalina, Kaunas, Kuršėnai, Vilnius, 24(23) squar. (Fig. 249), 5.V-15.VIII, 35♀, 22.IV-4.VI, 42♂/1, 70, 75/, on *Arabis arenosa*, *Thymus serpyllum*, *Senecio vernalis*, *Hieracium pilosella*, *H.*

umbellatum,
Taraxacum
officinale, *Malus*
domestica, *Salix* sp.
sp., *Solidago v-aurea*,
Anthemis tinctoria,
Geranium sp.,
Veronica sp. rather
widely distributed,
but more abundant
in agricultural-urban
landscape, where light
soils prevail.

Distribution:
Europe (up to 63°
N), Asia up to
Japan.

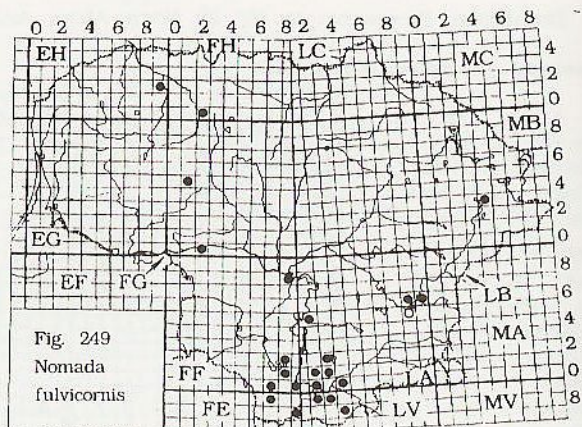


Fig. 249
Nomada
fulvicornis

**Nomada fulvicornis auct. sensu Stoeckert in Schmiedeknecht, 1930,
Osyshnjuk et al, 1978**

Mlt. MB03. Sugničiai, V(VI?)1973, 1♂ (Pac) (Fig. 250) /74/
Distribution: Central and South Europe (up to 57° N)

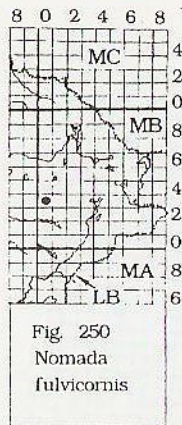


Fig. 250
Nomada
fulvicornis

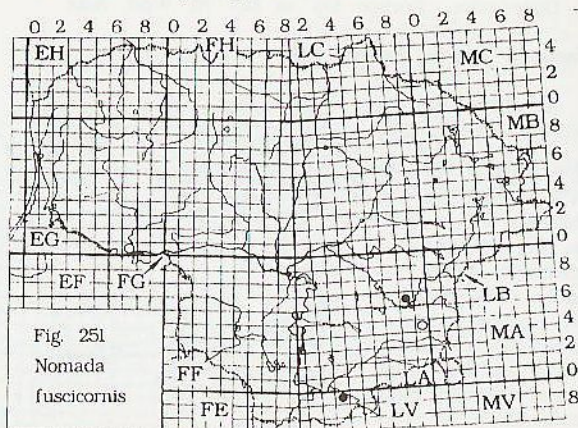


Fig. 251
Nomada
fuscicornis

Nomada fuscicornis Nylander, 1848

Šlu, EG70, Šercitlaukis, 15-20.VII1934, ♀♀♂♂/68/; V, LA94, Korystė
(Korzysc), 5.20.VIII1930, ♀♀/1/; LA86, Salotė, 1.VIII1979, 2♀ (Bud); Vrn, LV39,
Lynczeris, 21.VIII1974, 1♂ (Jak) (Fig. 251), on *Solidago v-aurea*, *Crepis* sp.
Distribution: Europe (up to 63° N)

Nomada goodeniana (Kirby, 1802)

Akm, Al, Kn, Lzd, Prn, Šlu, Vrn, Birštonas, Ignalina, Kuršėnai, Vilnius,

19(17) squar. (Fig.
252), 6.V-22.VI, 44♀,
22.IV-26.V, 34♂/2, 68,
70, 75/, on *Salix*
sp. sp.,
Taraxacum
officinale, *Arabis*
arenosa, *Hieracium*
pilosella, *Ranunculus*
repens, *Glechoma*
sp., *Malus*
domestica, *Antenaria*
diotica, *Senecio*
vernalis, *Thymus*
serpyllum, *Fragaria*
vesca, rather widely
distributed, but
more abundant in
the regions, where light
soils prevail.

Distribution: Europe (up to 62° N), West and Middle Asia.

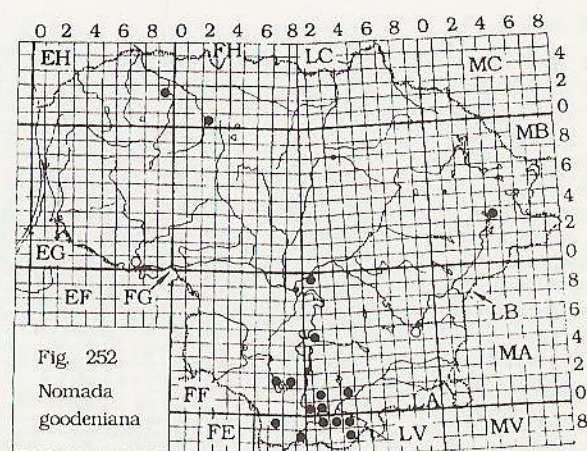


Fig. 252
Nomada
goodeniana

Nomada guttulata Schenck, 1859

Lzd, FF72,
Padusys, 7.VII1991, 1♀;
Vrn, LV49, Kriokšlys,
21.V.1984, 1♀; LA10,
Merkinė, 3.VII1987, 1♀
(Fig. 253) /70, 72,
75/, on *Cerastium*
semidecandrum, *Potentilla argentea*.

Distribution: Europe (up to 57° N), Asia up to Japan.



Fig. 253
Nomada
guttulata

Nomada integra Brulle, 1832 (= ferruginata auct. = cinctiventris Friese)

Vrn, LV38,
Čepkeliai, 3.VI1981,
1♀/69, 70/; LA11,
Ilgininkai, 24.VI1992,
2♀ 1♂ (Fig. 254), on
Hieracium pilosella,
Senecio vernalis.

Distribution:
Europe (up to 61° N and 40° E)

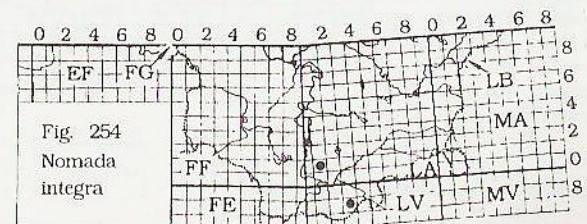


Fig. 254
Nomada
integra

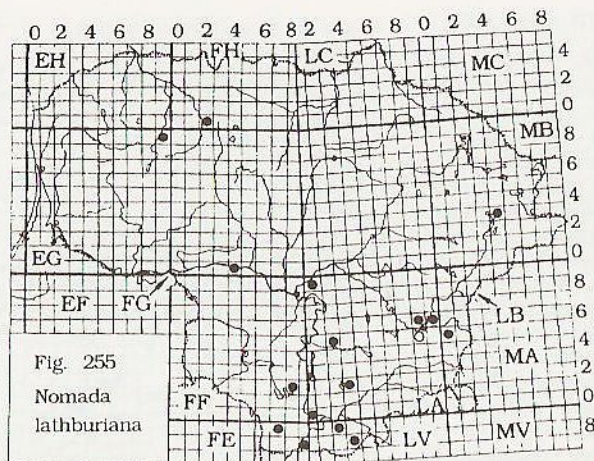
Nomada lathburiana (Kirby, 1802)

Al, Jrb, Kn, Lzd, Prn, Tl, Ukm, V, Vrn, Ignalina, Kuršėnai, Vilnius,

17(16) squar. (Fig.

255), 29IV-18.VI, 57♀, 22IV-17.V, 10♂/1, 70, 75/, on *Salix* sp. sp. *Taraxacum officinale*, *Arabis arenosa*, *Hieracium pilosella*, *Crataegus* sp. rather widely distributed, but more abundant in agricultural-urban landscape.

Distribution: Europe (up to 63° N).

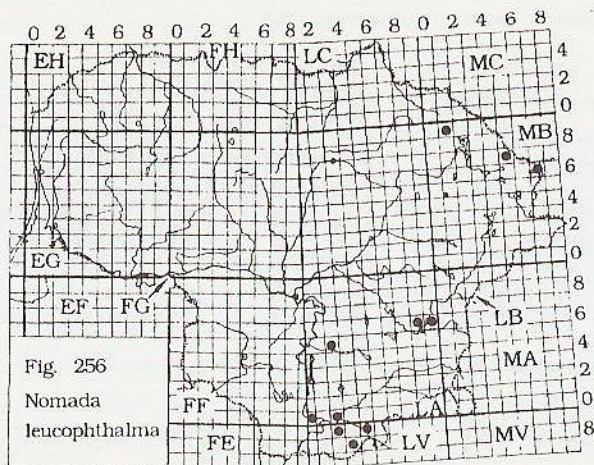


Nomada leucophthalma (Kirby, 1802)

Prn, Rk, V, Vrn, Zr, Vilnius, 11(11) squar. (Fig. 256),

20IV-7.VI, 12♀, 20IV-10.V, 9♂/1, 70, 75/, on *Salix* sp. sp. *Pulsatilla patens*, *Potentilla arenaria*, *Taraxacum officinale*, *Ledum palustre*, more abundant in forest landscape.

Distribution: Europe (between 69° and 46° N, up to 40°E, in southern part in mountains).

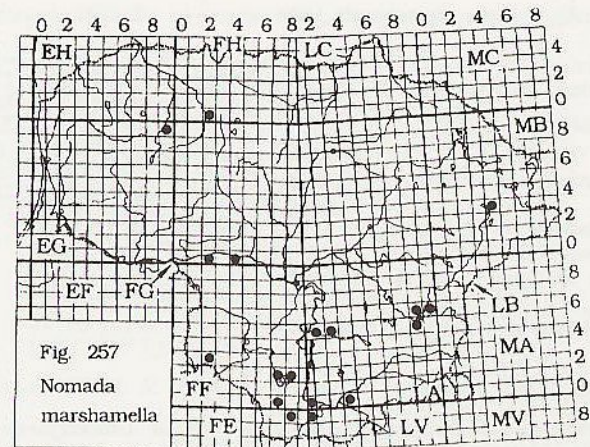


Nomada marshamella (Kirby, 1802)

Al, Jrb, Lzd, Prn, Tl, V, Vlkv, Vrn, Birštonas, Ignalina, Kuršėnai, Vilnius, 18(18) squar. (Fig. 257), 29IV-7.VI, 39♀, 25IV-31.V, 16♂/1, 70, 75/, on *Salix* sp.

sp. *Pyrus* sp., *Malus domestica*, *Taraxacum officinale*, *Hypochoeris radicata*, *Veronica* sp. rather widely distributed, but more abundant in agricultural-urban landscape, where heavy soils prevail.

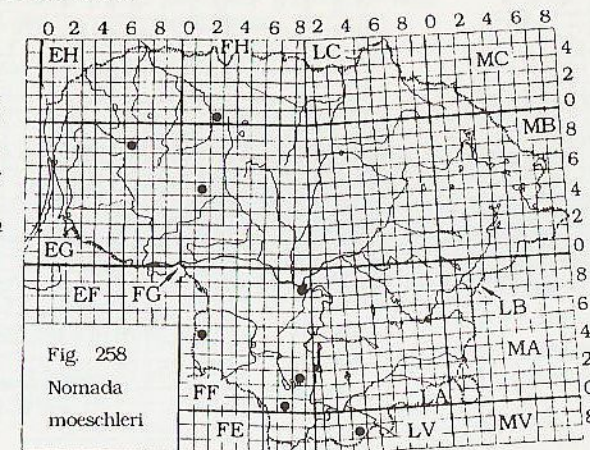
Distribution: Europe (up to 62° N), Turkey.



Nomada moeschleri Alfken, 1925

Al, Klm, Lzd, Pln, Vrn, Kaunas, Kuršėnai, Kybartai, 8(8) squar. (Fig. 258), 2-27.V, 7♀, 22IV-2.VI, 6♂/69, 70/, on *Salix* sp. sp. *Taraxacum officinale*, *Geranium* sp., *Fragaria vesca*, *Senecio vernalis*, *Tussilago farfara*, everywhere rather rare.

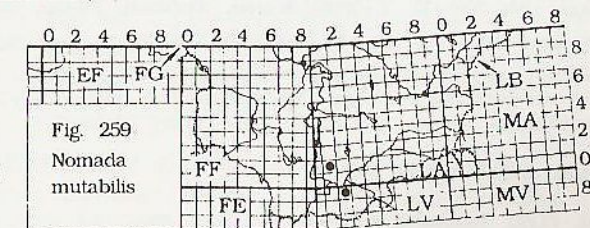
Distribution: Central and North Europe (up to 60° N).



Nomada mutabilis Morawitz, 1870

Vrn, LV29, Marcinkonys, 5.VII.1983, 1♀; LA11, Ilgininkai, 2-4.VII.1992, 7♀ 4♂ (Fig. 259) /70, 72/, on *Achillea millefolium*, *Senecio vernalis*. A northern border of the range passes through South Lithuania.

Distribution: Europe without western part (up to 55° N).



Nomada obscura Zetterstedt, 1838

Vrn, LV38,
Čepkeliai, 20.IV.1983, 1♂,
22.IV.1983, 1♀ (Fig.
260) /70, 72/, on
Pulsatilla patens, *Salix*
sp.

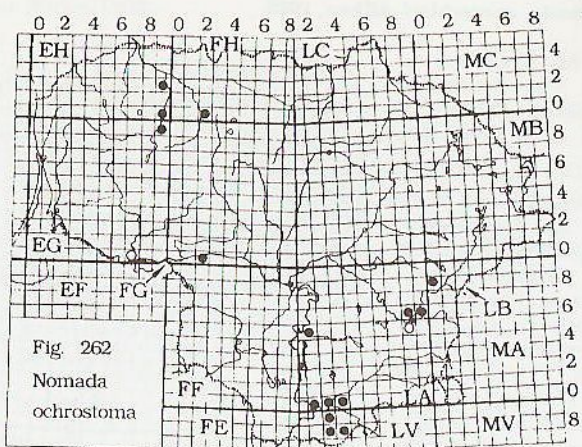
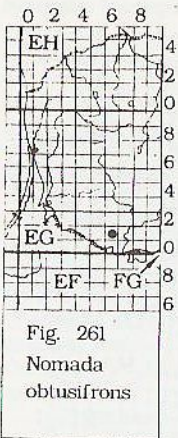
Distribution: Europe
(between 68° and 46°
N, in southern part in mountains)



Nomada obtusifrons Nylander, 1848

Šlu, EG61, Piktupėnai, 20.VII.1968, 1♀ (Jakt); V, MA09, Bališkės, 10.VII.1932,
1♀ (Fig. 261) /1/, on unidentified species of *Umbelliferae*.

Distribution: Europe (between 62° and 46° N), Caucasus.



Nomada ochrostoma Zetterstedt, 1838 (= alboguttata Herrich-Schaffer)

Akm, Jrb, Šlu, TI, V, Vrn, Jieznas, Kuršėnai, Vilnius, 17(15) squar., 25.IV.
28.VIII, 42♀, 12.IV-17.V, 37♂ (Fig. 262) /1, 68, 70, 75/, on *Salix sp. sp.*
Taraxacum officinale, *Arabis arenosa*, *Potentilla arenaria*, *Alyssum gmelini*,
Calluna vulgaris, rather widely distributed, but only locally more abundant.
Distribution: Europe (up to 69° N), Turkey, Japan.

Nomada opaca Alfken, 1913

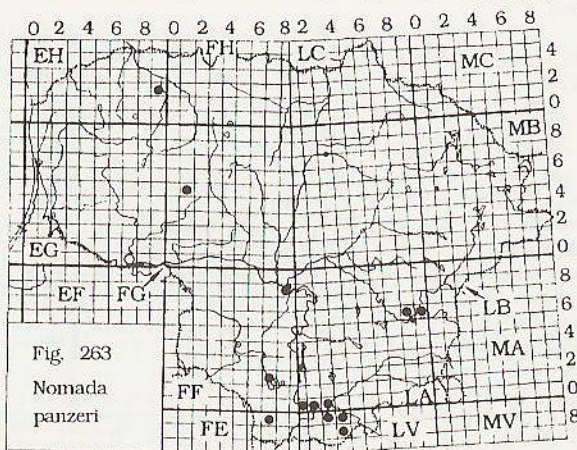
Rd, FG55, Bargailiai, 6.VII.1969, 1♂ (Jon) /74/.
Distribution: Central and North Europe (up to 61° N)

Nomada panzeri Lapeletier, 1841 (= ruficornis auct., = glabella Thomson)

Akm, Klm, Lzd,
Šlu, Vrn, Kaunas,
Vilnius, 14(13) squar.
(Fig. 263), 1V-17.VII.

39♀, 22.IV-19.VI,
46♂/68, 70, 72, 75/,
on *Taraxacum*
officinale, *Potentilla*
arenaria, *Salix sp.*,
Vaccinium sp.,
Arabis arenosa,
Scleranthus sp.,
Senecio sp., *Arnica*
montana, *Stellaria*
sp., *Cerastium*
arvensis, *Barbarea*
sp., *Ribes nigrum*, in
Dainava Sandy Plain's forests rather abundant, elsewhere rare.

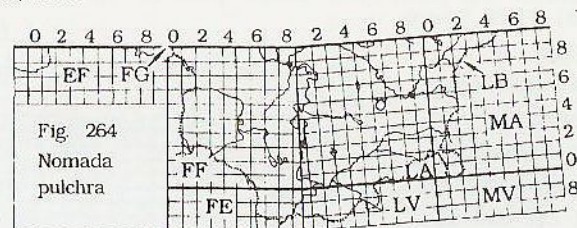
Distribution: Europe (up to 69° N), Turkey.



Nomada pulchra Arnold, 1902

Trakai, LA65,
12.VII.1927, 1♀ (Fig.
264) /1/. A northern
border of the range
passes through
Lithuania.

Distribution: Central
Europe (Austria,
Germany, Hungary, Byelorussia, Lithuania)



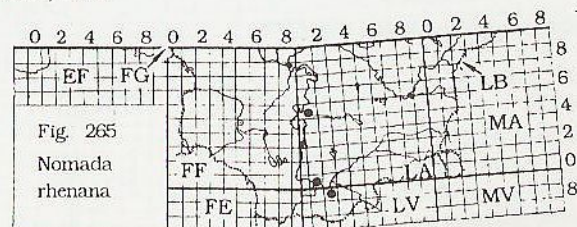
Nomada rhenana Morawitz, 1872

Pri, LA15,
Liciškėnai, 7.VII.1985,
2♀; Vrn, LV29,
Marcinkonys, 1.VIII.1981,

1♀; Margionys,
21.VIII.1983, 1♀;
Kapiniškiai, 3.VI.1985,

1♀; LA10, Roduka, 15.VIII.1985, 2♀ 1♂ (Fig. 265) /69, 70, 75/, on *Mellilotus*
albus, *Achillea millefolium*, *Hieracium pilosella*. A northern border of the
range passes through South Lithuania.

Distribution: Europe (up to 55° N), Turkey.

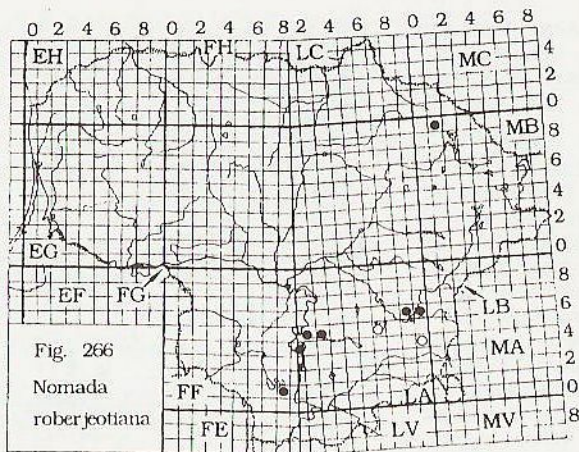


Nomada roberjeotiana Panzer, 1799 (= *montana* Mocsary, = *tormentillae* Alfken)

Al. Lzd. Prn. Rk. V, Vilnius, 9(7) squar. (Fig. 266), 11.VII-8.VIII.

7♀, 3.VII-28.VIII, 4♂/1, 75/, on *Solidago v-aurea*, *Thymus pulegioides*, *Medicago lupulina*, *Senecio* sp., rather rare, discovered in agricultural-urban landscape, where heavy soils prevail.

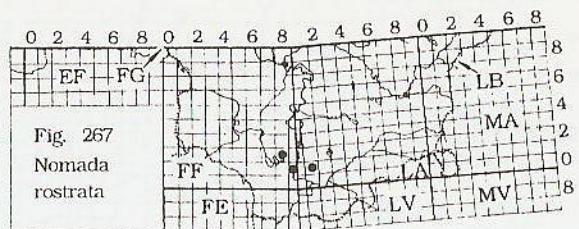
Distribution: Europe (between 64° and 43° N), Asia up to Japan.



Nomada rostrata Herrich-Schaffer, 1839 (= *eustalachta* Gerstaecker)

Al. FF82, Obelija, 1.VII.1980, 1♀; Lzd, FF91, Krikštonys, 14.VII.1986, 2♀; Vrn, LA11, Ilgininkai, 4.VI.1992, 1♀ 1♂ (Fig. 267) /73, 75/, on *Anchusa officinalis*.

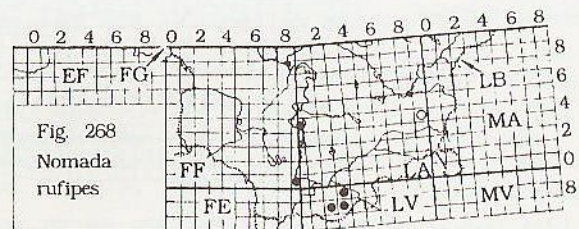
A northern border of the range passes through South Lithuania. Distribution: Europe (between 8° and 25° E, up to 54° N), Turkey.



Nomada rufipes Fabricius, 1793

Al. Lzd. Šlu. V, Vrn, 7(5) squar. (Fig. 268), 26.VI-16.IX, 21♀, 26.VI-9.IX, 21♂/1, 68, 70, 75/, on *Solidago v-aurea*, *Calluna vulgaris*, *Senecio* sp., *Leontodon autumnalis*, *Hieracium pilosella*.

in Dainava Sandy Plain's forests rather abundant, elsewhere rare. Distribution: Europe (up to 63° N), West and North Asia.

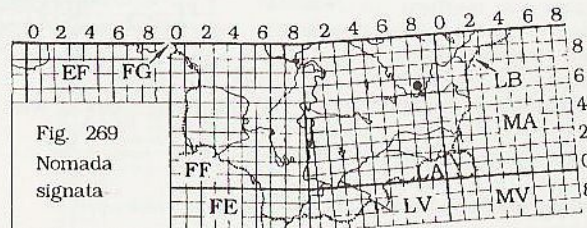


Nomada sexfasciata Panzer, 1799

Not yet known, but reported from Klein Guja (Szymanowizna) in Poland /68/ and from other places near the frontier of Lithuania. Distribution: Europe (up to 55° N), Turkey.

Nomada signata Jurine, 1807

V, LA86, Salotė, 12.V.1979, 1♂ (Bud) (Fig. 269) /74/. A northern border of the range passes through Lithuania. Distribution: Europe (up to 55° N and 20° E).



Nomada stigma Fabricius, 1804 (= *cinnabarina* Morawitz)

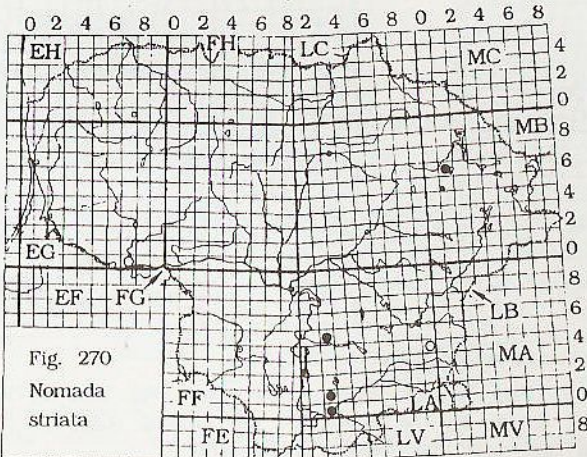
Not yet known, but reported from Klein Guja (Szymanowizna), Launinghen (Olownik) in Poland /68/ and from many other places near the frontier of Lithuania.

Distribution: Europe (up to 61° N), North Africa, West, North and Middle Asia.

Nomada striata Fabricius, 1793 (= *hillana* Kirby)

Prn. Šlu. Ut. V, Vrn, 6(4) squar. (Fig. 270), 29.VI-18.VII, 4♀, 6.VII, 2♂/1, 68, 70, 75/, on *Thymus pulegioides*, *Potentilla argentea*, *Stellaria* sp., *Leontodon autumnalis*, everywhere rare.

Distribution: Europe (up to 66° N), North Africa, Turkey.

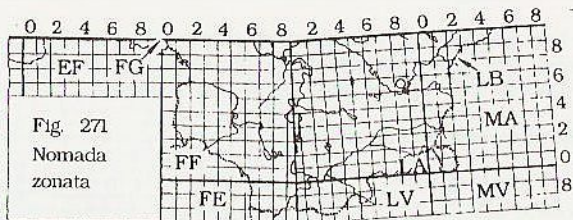


Nomada trapeziformis Schmiedeknecht, 1882

Not yet known, but reported from Latvia /132/ near Lithuania. Distribution: Central Europe (Switzerland, Austria, Germany, Czechia and Slovakia, Poland, Latvia).

Nomada zonata Panzer, 1798

Vilnius, LA86, Karoliniškės, 24.IV.1930, ♂♂, 24.IV.1932, ♂♂ (Fig. 271) /1/, on *Salix sp. sp. Tussilago farfara*. A northern border of the range passes through South Lithuania.



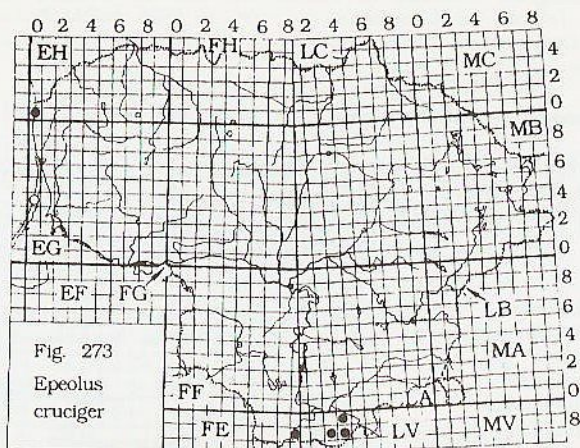
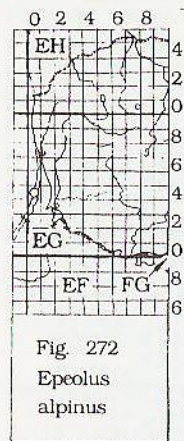
Distribution: Europe (up to 55° N), North Africa, West and Middle Asia.

Genus *Epeolus* Latreille, 1802

Epeolus alpinus Friese, 1893 (= glacialis Alfken)

Neringa, EG04, Pervalka, 6.VI-15.VII, ♀♀, 11.VI-15.VII, ♂♂ (Fig. 272) /68/, on *Trifolium repens*.

Distribution: North and Central Europe (up to 65° N, in southern part in mountains).



Epeolus cruciger (Panzer, 1799)

Lzd, Vrn, Neringa, Palanga, 6(5) squar. (Fig. 273), 23.VI-28.VIII, 5♀, 26.VI-14.VIII, 4♂/68, 70/, on *Hieracium sp.*, *Calluna vulgaris*, in Dainava Sandy Plain and near the seaside rather rare.

Distribution: Europe (up to 65° N), Iran, West Siberia.

Epeolus pilosus Bischoff, 1930

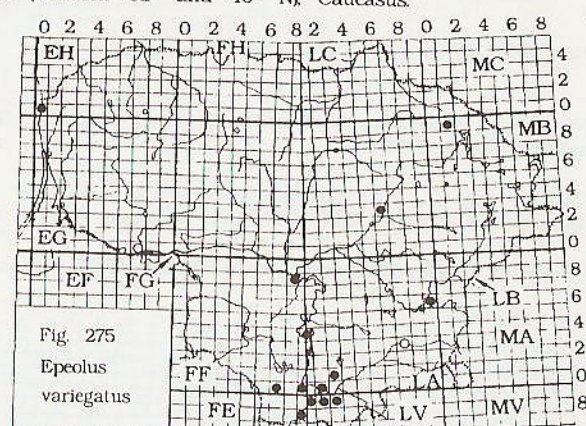
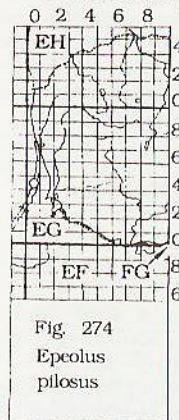
Neringa, EG04, Pervalka, 15.VIII.1912, ♀♀ ♂♂♂ (Fig. 274) /68/, on *Trifolium arvense*.

Distribution: only few localities in Curonian Isthmus.

Epeolus variegatus (Linnaeus, 1758) (= productus Thomson)

Al, An, Lzd, Šičn, Šlu, Rk, Vrn, Kaunas, Palanga, Vilnius, 16(14) squar. (Fig. 275), 24.VI-8.IX, 31♀, 11.VII-11.VIII, 6♂/1, 68, 70, 75/, on *Helichrysum arenarium*, *Tanacetum vulgare*, *Senecio sp.*, *Inula britannica*, *Trifolium arvense*, *Hieracium umbellatum*, rather widely distributed, more abundant in agricultural-urban landscape.

Distribution: Europe (between 62° and 40° N), Caucasus.



Genus *Epeoloides* Giraud, 1863

Epeoloides coecutiens (Fabricius, 1775)

Kš, LA28, Būda, 8.VII.1994, 2♂ (Šab); Prn, LA25, Anglininkai, 5.VII.1984, 1♂, 11.VII.1984, 1♂; Šičn, LA73, Senieji Maccliai, 10.VII.1930, 1♀; Vrn, LV38,

Čepkeliai, 31.VII.1980, 1♀;

Pagarenda, 3.VII.1983, 1♀.

5.VIII.1985, 1♀ (Fig. 276)

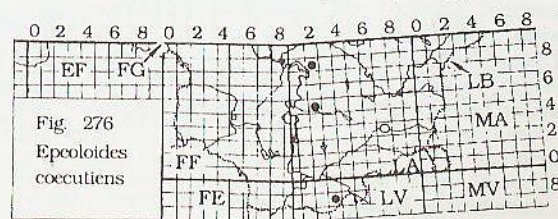
/1, 70, 75/, on *Melampyrum pratense*, *Calluna vulgaris*, *Thymus pulegioides*, *Knautia arvensis*, rare, discovered in moist forests.

Distribution: Europe without western part (up to 60°N), West Kazakhstan.

Genus *Biastes* Panzer, 1806

Biastes brevicornis (Panzer, 1798)

Not yet known, but reported from Lenkowo in Poland /18/ near the frontier of Lithuania.



Distribution: Europe without western part (up to 55° N), Caucasus, Turkey, Kazakhstan, Central Siberia.

***Biastes emarginatus* (Schenck, 1853)**

Not yet known, but reported from Latvia /132/ near the Lithuania.

Distribution: Europe (up to 58° N), Caucasus, Turkey, Kazakhstan, West and Central Siberia, China.

Genus *Anthophora* Latreille, 1803

***Anthophora (Pyganthophora) aestivalis* auct. sensu Marikovskaja, 1980, Osytshnjuk et al, 1978**

Not yet known, but reported from Latvia /132/ near the Lithuania.

Distribution: Europe (up to 56° N), Caucasus, Turkey, Iran.

***Anthophora (Heliophila) bimaculata* (Panzer, 1798)**

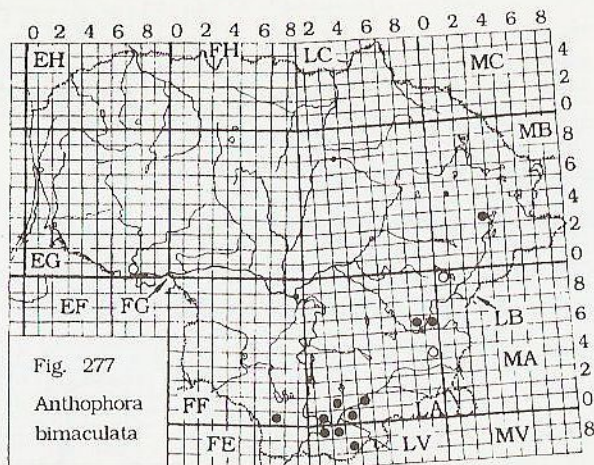
Ign, Lzd, Šlu, V, Vrn, Varėna, Vilnius, 14(1) squar. (Fig. 277), 23.VI-

17.VIII, 49♀, 20.VI-12.VIII, 17♂/1, 68, 70, 75/, on *Echium vulgare*, *Centaurea rhenana*, *Inula salicina*, *Thymus serpyllum*, *Hieracium* sp., *Medicago falcata*, *Linaria vulgaris*, *Trifolium arvense*, *Solidago v-aurea*, *Anchusa officinalis*, *Cirsium* sp., *Fagopyrum sagittatum*, more abundant in the regions, where light soils prevail.

Distribution: Europe (up to 57° N), North Africa, Tadjikistan, Kirgisia, Uzbekistan.

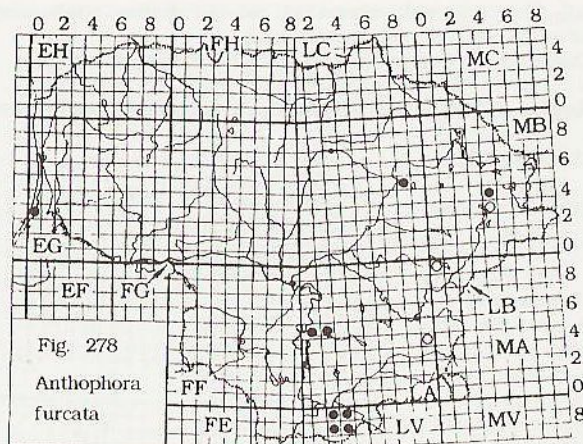
***Anthophora (Clisodon) furcata* (Panzer, 1798)**

An, Ign, Prn, V, Vrn, Ignalina, Neringa, 12(9) squar. (Fig. 278), 5.VII-14.VIII, 17♀, 23.VI-3.VIII, 14♂/1, 70, 71, 75, 125/, on *Melampyrum pratense*, *Leonurus cardiacum*, *Anchusa officinalis*, *Galeopsis bifida*, *G. tetrahit*, *Clinopodium*



vulgare, *Stachys silvatica*, *Geranium robertianum*, *Cirsium* sp., *Vicia silvatica*, *Campanula rotundifolia*, *Centaurea cyanus*, *Fagopyrum sagittatum*, rather rare, discovered in forests and brushwoods and near the forests.

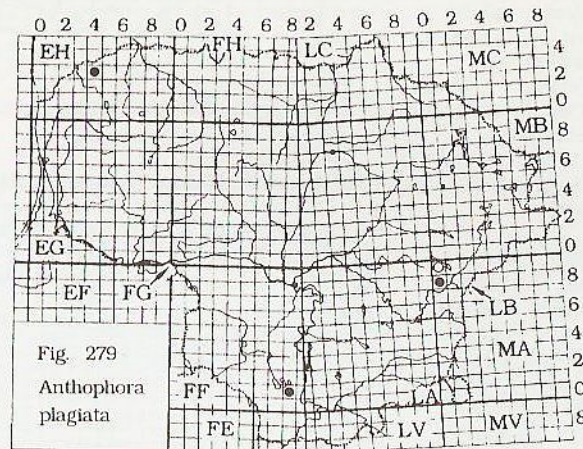
Distribution: Europe (up to 65° N), West Asia.



***Anthophora (Melea) plagiata* (Illiger, 1806) (= *parietina* Fabricius)**

Lzd, FF81, Gervėnai, 16.VI.1986, 1♂, V, MA08, Rūžiškės, 3.VI.1979, 2♂ (Bud) (Fig. 279) /76/, on *Anchusa officinalis*, *Trifolium pratense*. Included in the Red Data Book of Lithuanian fauna. Nominotypical subspecies not yet known: only females maybe identified to the subspecific rank.

Distribution: Europe (up to 57°N).



***Anthophora (Melea) plagiata schenkii* Dalla Torre, 1877**

Skd, EH43, Gesalai, 3.VII.1976, 1♀ (Pac); V, MA09, Šešelgiškės, 5.VII.1932, 1♂ (?) (Fig. 279) /1/, on *Trifolium repens*.

Distribution: North and Central Europe (up to 57° N).

***Anthophora (Anthophora) plumipes* (Pallas, 1772) (= *acervorum* auct.)**

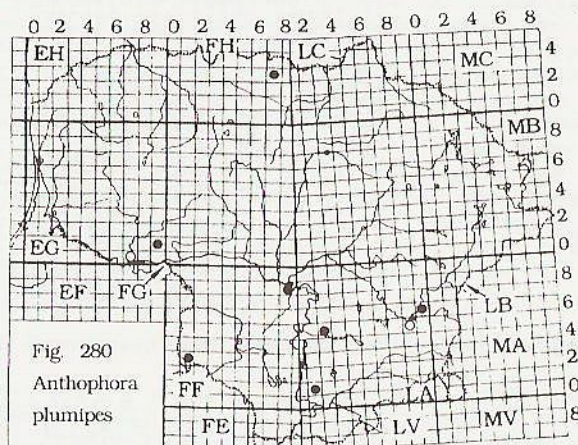
Prn, LA25, Anglininkai, 1.VI.1984, 3♂ /75/; Vilnius, LA96, 21.V-29.V.1978, 7♂ (Bud); LA85, Paneriai /1/; Šlu, EG70, Šercitlaukis /68/ (Fig. 280), on *Salix caprea*, *Primula* sp., *Lamium album*, *L. purpureum*, *Crocus* sp., *Taraxacum officinale*, discovered in agricultural-urban landscape, where heavy soils

prevail. Nominotypical subspecies not yet known: only females maybe identified to the subspecific rank.

Distribution: Europe (up to 60° N), North Africa, Iran, South Siberia.

***Anthophora (Anthophora) plumipes squalens* Dours, 1869**

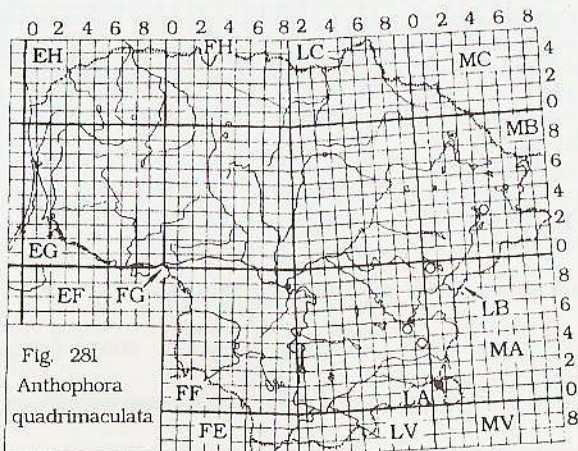
Pkr, Trg, Vlkv,
Vrn, Kaunas,
Vilnius, 6(6) squar.
25.IV-14.VI, 33♀, 2V-
4.VI, 18♂ (Fig. 280),
on *Pulmonaria
obscura*, *Salix sp.*,
Lamium album, *L.
purpureum*,
Caragana sp.,
Lathraea squamaria,
Primula veris,
Anchusa officinalis,
in agricultural-urban
landscape, where
heavy soils prevail,
locally rather
abundant



Distribution: temperate and South Europe, North Africa, Iran, South Siberia.

***Anthophora (Dasymegilla) quadrimaculata* (Panzer, 1806) (= *vulpina* Panzer)**

Šičn, MA01,
Stakai, 5.VII.1991, 1♂,
V, LA94, Korystė
(Korzysc), VII.1927-
1930, ♀♀♂♂, MA09,
Bališkės, 10.16.VII.1932,
♀♂/1/; Ignalina,
IX.1916, ♀/125/;
Vilnius, LA85,
4.VII.1924, 1♂/1/ (Fig.
281), on *Trifolium
repens*, *Anchusa
officinalis*,
Galeopsis tetrahit,
Viola sp. was
abundant in 1924-1932.



Distribution: Europe (up to 64° N), North Africa.

***Anthophora (Pyganthophora) retusa retusa* (Linnaeus, 1758) (= *aestivalis* Panzer)**

Al, FF82,
Seimeniškiai, 6.V.1993,
1♀; V, LA86, Salotė,
3.VI.1978, 1♀ (Bud);
Vilnius, LA85,
Pancierai, 3.V.1932, 1♂,
14.V.1932, 1♀.



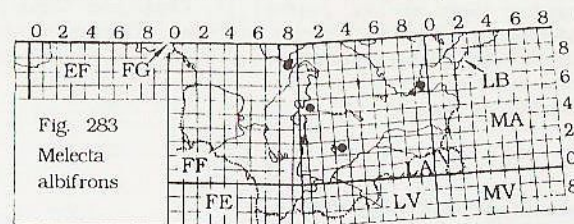
15.17.V.1933, ♀♀ (Fig. 282) /1, 2/, on *Salix sp. sp.*, *Glechoma hederacea*.

Distribution: temperate Europe (up to 57° N).

Genus *Melecta* Latreille, 1802

***Melecta albifrons albifrons* (Foerster, 1771) (= *armata* Panzer)**

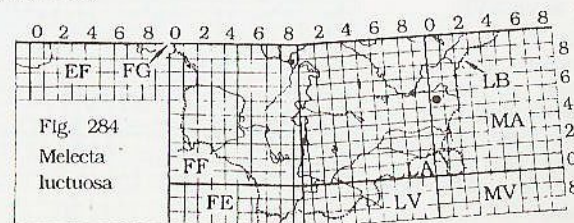
Vrn, Birštonas,
Kaunas, Vilnius, 4(4)
squar, 12-26.V, 4♀,
29.IV-30.V, 3♂ (Fig.
283) /1/, on *Lamium
purpureum*,
*Taraxacum
officinale*, rare in
the regions, where heavy soils prevail.



Distribution: temperate Europe (up to 57° N).

***Melecta luctuosa* (Scopoli, 1770)**

V, MA05,
Vėlučionys, 15.V.1971,
1♂ (Man) (Fig. 284)
/74/.



Distribution:
Europe (up to 57°
N), North Africa,
Caucasus, Iraq, Israel,
Jordan, Lebanon,
Tadjikistan, Uzbekistan, Turkmenia.

Genus *Thyreus* Panzer, 1806 (= *Crocisa* Jurine)

***Thyreus orbatus* (Lepeletier, 1841) (= *scutellaris* Fabricius)**

Not yet known, but reported from Latvia /132/ near Lithuania.
Distribution: Europe (up to 57° N and 48° E), North Africa, Turkey.

Genus *Eucera* Scopoli, 1770

***Eucera longicornis* (Linnaeus, 1758)**

Akm, Al, An, Ign, Kšd, Lzd, Mlt, Prn, Šil, Šlčn, Švčn, V, Vrn, Alytus, Kaunas, Kėdainiai, Pasvalys, Vilnius, 38(37) squar. (Fig. 285), 3.VI-22.VII,

69♀, 19.V-12.VII, 87♂/1, 70, 71, 75/, usually on various species of *Leguminosae* (*Lathyrus* sp. sp., *Trifolium* sp. sp., *Astragalus arenarius*, *Anthyllis* sp., *Medicago falcata*, *Coronilla varia*, *Lotus corniculatus*, *Vicia* sp. sp., *Lupinus* sp., *Onobrychis viciaefolia*), sometimes on *Anchusa officinalis*, *Thymus serpyllum*, *Hieracium* sp., *Taraxacum officinale*, *Hypochoeris radicata*, widely distributed, but more abundant in agricultural-urban landscape, where heavy soils prevail.

Distribution: Europe (up to 63° N), West Asia.

Genus *Tetralonia* Spinola, 1838

***Tetralonia dentata* Klug, 1835**

Ign, Ut, V, Vrn, Vilnius, 6(6) squar. (Fig. 286), 9.VII-20.VIII,

14♀, 24.VI-20.VIII, 9♂/70, 72, 75/, on *Centaurea* sp., *Anchusa officinalis*, *Echium vulgare*, *Knautia arvensis*, *Carduus* sp., rather rare, only locally more abundant in agricultural-urban, especially ruderal landscape, where heavy soils prevail.

Distribution: Europe without western part (up to 57° N), Tadjikistan.

***Tetralonia macroglossa* Illiger, 1806**

Vrn, LV39, Zervynos, 5.VIII1976, 3♂; LV29, Margionys, 24.VIII1986, 4♀ 4♂ (Fig. 287) /69, 70, 76/, oligolectic, on various species of *Malva*. A northern

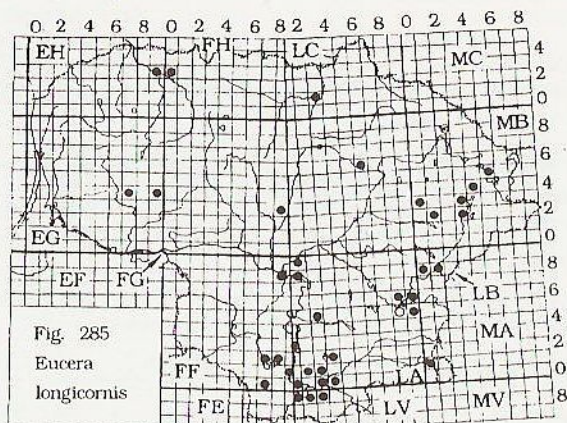


Fig. 285
Eucera longicornis

border of the range passes through South Lithuania. Included in the Red Data Book of Lithuanian fauna.

Distribution: Europe (up to 54° N), Kazakhstan, Tadjikistan.

Genus *Xylocopa* Latreille, 1802

***Xylocopa valga* Gerstaecker, 1872**

Prn, LBI7 (?), Povilauskai, 2.V.1934, 1♂; Švčn, MB71 (?), Medinos (Medyna), 17.VI.1929, 1♀, 25.VI.1918,

1♀ (Houw.), V, LA94, Korystė (Korzysc), 12.VIII.1927, 1♀,

15.VIII.1929, 1♀,

24.V.1930, 1♀; Vilnius, LA86, Žvėrynas, 1918, 1919, 2 spec. (Fig. 288)

!/. The species is treated as extinct in the Red Data Book of Lithuanian fauna.

Distribution: Europe without northern-western part (up to 60° N, recently more less), North Africa, Asia (between 54° and 27° N, up to 105° E).

Genus *Ceratina* Latreille, 1802

***Ceratina cyanea* (Kirby, 1802)**

Prn, Vrn, Vilnius, 10(9) squar. (Fig. 289), Šlu, EG70, Šreitlaukis /68/, 29.IV-11.VIII, 14♀,

15-26.V, 4♂/69, 70, 75/, on *Antennaria dioica*, *Veronica* sp., *Fragaria vesca*, *Echium vulgare*,

Hieracium pilosella, *H. umbellatum*, *Thymus serpyllum*, *Jasione montana*, *Knautia arvensis*, *Salix* sp., *Dianthus deltoides*, *Hypochoeris* sp., *Scorzonera humilis*, rather rare, more abundant in Dainava Sandy Plain. A northern border of the range passes through Lithuania.

Distribution: Europe (up to 60° N - only in Sweden), North Africa, West Asia.



Fig. 287
Tetralonia macroglossa

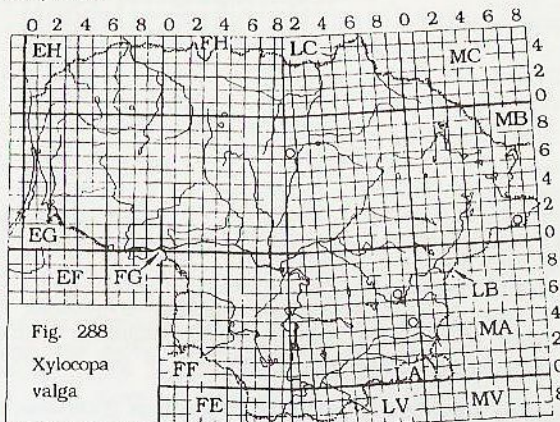


Fig. 288
Xylocopa valga

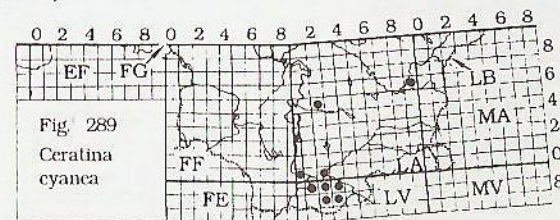


Fig. 289
Ceratina cyanea

Family APIDAE

Genus *Bombus* Latreille, 1802***Bombus (Con fusibombus) confusus* (Schenck, 1859)**

Kšd. LA36,
Kaukinė, 29.VI.1994,
1♀ (Šab.), Lzd, FF8L,
Gervėnai, 16.VI.1986, 1♀:

Scirijai, 24.VI.1992, 1♀;
Mlt. MB03, Suginėčiai,
18.IX.1974, 1♂ (Pac);
Vrn, LA11, Ilgininkai,
4.VI.1992, 2♀ /76/;

Vilnius, LA97,
Antaviliai, 5.V.1932, 1
spec.; LA85, Paneriai,
29.V.1932, 1 spec./1/
(Fig. 290), on
Trifolium pratense,

Salix sp., *Lamium maculatum*, *Anchusa officinalis*, *Echium vulgare*.
Included in the Red Data Book of Lithuanian fauna.

Distribution: temperate Europe (up to 57° N and 45° E)

***Bombus (Bombus) cryptarum cryptarum* (Fabricius, 1775)**

V, LA94, Korystė (Korzysc), 25.VIII.1929, ♂♂/1/, on *Calluna vulgaris*.
Distribution: Europe (between 63° and 44° N, up to 25° E).

***Bombus (Subterraneobombus) distinguendus* Morawitz, 1869**

Akm, Al, An, Kdn,
Klm, Lzd, Mlt, Mrj,
Šk, Ut, V, Vrn,
Ignalina, Kėdainiai,
Neringa, Palanga,
Vilnius, 25(20) squar.
(Fig. 291), 14.V-27.VIII,
43♀, 16.VI-27.VIII, 81♀,
21.VII-31.VIII, 41♂/1, 68,
70, 75, 125/, usually
on *Trifolium*
pratense, sometimes
on *Anchusa*
officinalis, *Hieracium*
umbellatum, *Lythrum*
salicaria, *Centaurea*
scabiosa, *Taraxacum*

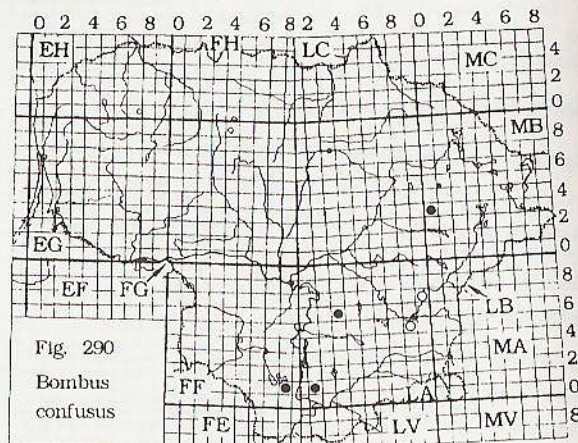


Fig. 290
Bombus
confusus

officinale, *Senecio vernalis*, *Lamium album*, *Echium vulgare*, widely distributed, but rather rare, more abundant in agricultural landscape, where heavy soils prevail, especially in the regions, where cultivated red clover.

Distribution: Europe (between 67° and 45° N), West and South Siberia, North Kazakhstan, Tien Shan, Altai, Sakhalin.

***Bombus (Megabombus) hortorum* (Linnaeus, 1761)**

Akm, Al, An, Lzd,
Mlt, Mrj, Pln, Prn, Skd,
Šil, Šk, Šl, Švnč, Tl,
Trg Ukm, V, Vrn, Zr,
Akmenė, Daugai,
Dotnuva, Druskininkai,
Ignalina, Kaunas,
Kėdainiai, Klaipėda,
Ukmergė, Vilnius, 46(43)
squar. (Fig. 292), 14.IV-

12.VIII, 69♀, 1(?)16.V-

31.VIII, 130♀, 23.VI-27.VIII,
23♂/1, 2, 70, 71, 75,

125/, polylectic, more frequently on *Trifolium pratense*, *Anthyllis polyphylla*, *Lamium album*, *Rhinanthus* sp., *Echium vulgare*, widely distributed and rather abundant, especially in the agricultural landscape, where heavy soils prevail. Two colour forms were discovered: nominotypical form (frequent) and var. *nigricans* Schmied. (rare).

Distribution: Europe (up to 71° N), North Africa, Caucasus, Turkey, Iran, North and East Kazakhstan, West Siberia, Baikal, Yakutia, North Mongolia.

***Bombus (Thoracobombus) humilis* Illiger, 1806 (= *solstitialis* Panz., = *tristis* Seidl. = *variabilis* Schmd.)**

Akm, Ign, Lzd, Prn,
Šlėn, Švnč, Ut, Vrn,
Daugai, Dusetos, Ignalina,
Kaunas, Kretinga,
Neringa, Vilnius, 30(29)
squar. (Fig. 293), 22.IV-

5.IX, 58♀, 21.VI-5.IX, 95♀,
1.VIII-5.IX, 26♂/70, 71, 75,
125/, polylectic, more frequently on *Centaurea rhenana*, *Medicago falcata*, *Echium vulgare*, *Astragalus arenarius*, *Anthyllis polyphylla*, *Onobrychis viciae-folia*,

more abundant in the regions, where light soils prevail, especially in South Lithuania, in Central Lithuania very rare. Six colour forms were discovered:

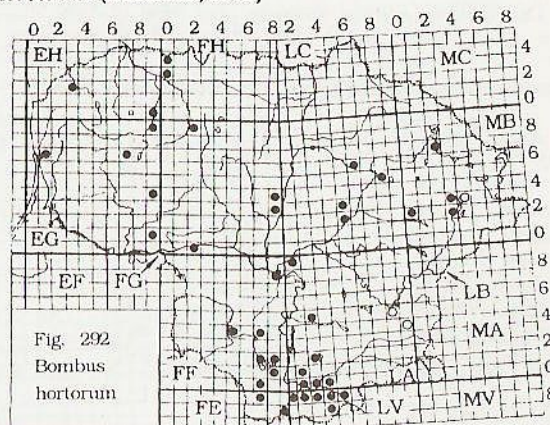


Fig. 292
Bombus
hortorum

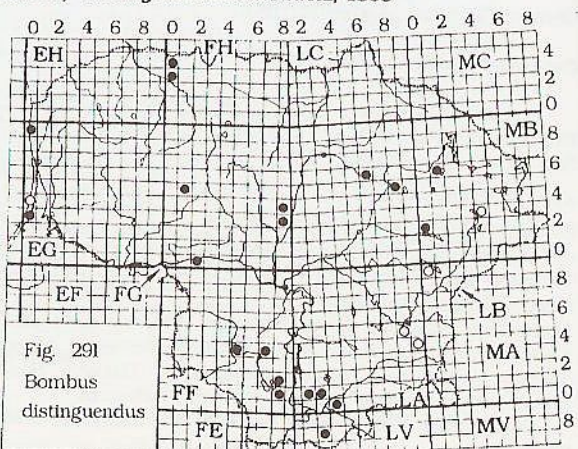


Fig. 291
Bombus
distinguendus

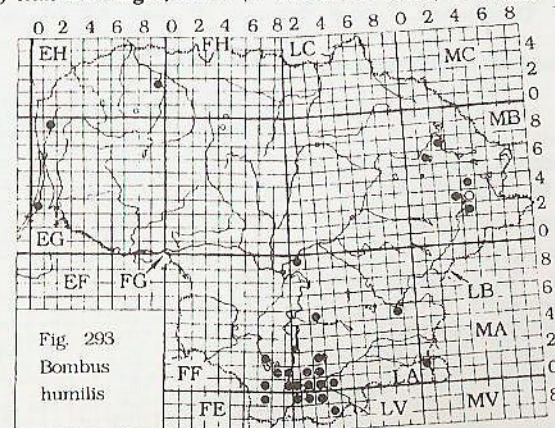


Fig. 293
Bombus
humilis

nominotypical form (rather rare, more abundant in agricultural-urban landscape), var. *fuscus* Friese et Wagn. (rare), var. *helferanus* Seidl. (rather abundant in agricultural-urban landscape), var. *notometas* Kriechb. (one of most abundant, discovered in agricultural-urban landscape, in forests rare), var. *thuringiacus* Friese et Wagn. (one of most abundant, discovered in agricultural-urban landscape and in forests also), var. *tristis* Seidl. (very rare, discovered only in Curonian Isthmus)

Distribution: Europe (between 64° and 43° N), Caucasus, Turkey, Iran, Tien Shan, North Kazakhstan, Baikal, North Mongolia.

• **Bombus (Pyrobombus) hypnorum (Linnaeus, 1758)**

Akm, An, Ign, Lzd, Mlt, Prn, Rd, Rk, Šl, Šlu, Tl, Trg, Ut, V, Vrn, Akmenė, Alytus, Dusetos, Ignalina, Jurbarkas, Kaunas, Klaipėda, Kuršėnai, Neringa, Palanga, Vilnius, 37(34) squar. (Fig. 294), 22.IV-

19.VIII, 23♀, 2(?)11.V-26.VIII,

83♀, 19.VI-24.VIII, 35♂/1, 5,

18, 68, 70, 71, 75/,

polylectic, more frequently on *Comarum palustre*, *Echium vulgare*, *Knautia arvensis*, *Rubus idaeus*, *Centaurea* sp., *Sorbaria sorbi-folia*, *Vaccinium myrtillus*, rather widely distributed, but more abundant in forest and urban landscape. Three colour forms were discovered: nominotypical form, var. *frigidus* Friese and var. *hofferi* Verh.

Distribution: Europe (between 70° and 43° N), Siberia, Kamchatka, Japan.

• **Bombus (Pyrobombus) jonellus (Kirby, 1802)**

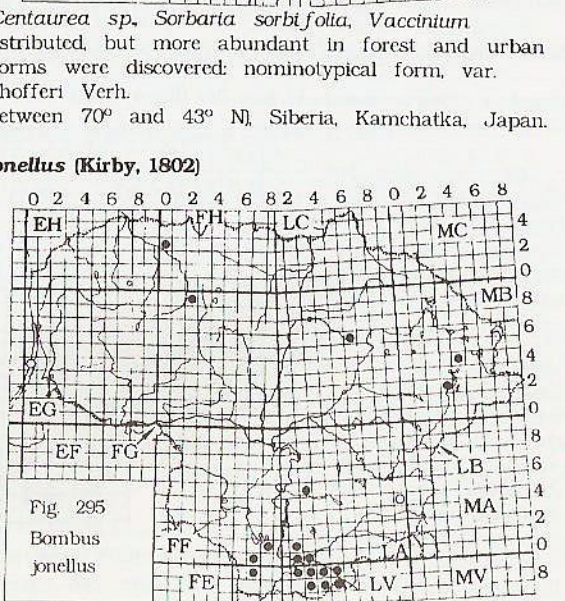
Akm, An, Ign, Lzd, Prn, Šl, Švnč, V, Vrn, Neringa, 21(19) squar. (Fig. 295), 8.IV-30.VIII,

38♀, 24.V-30.VIII, 256♀,

24.VI-24.IX, 44♂/1, 68, 70,

71, 75/, polylectic, more

frequently on *Comarum palustre*, *Calluna vulgaris*, *Pedicularis palustris*, *Solidago v. aurea*, *Vaccinium vitis-idaea*, more abundant in large moist forests, especially in Dainava



Sandy Plain, elsewhere rather rare.

Distribution: Europe (between 71° and 43° N, in southern part in mountains), Turkey, Siberia, Altai, Amur region, Kamchatka, North America.

• **Bombus (Melanobombus) lapidarius (Linnaeus, 1758)**

Akm, Al, An, Jrb, Klm, Kp, Lzd, Mlt, Mrj, Prn, Skd, Šlčn, Švnč, Tl, V, Vlkv, Vrn, Zr, Akmenė, Daugai, Dotnuva, Dūkštas, Dusetos, Ignalina, Kėdainiai, Klaipėda, Neringa, Palanga, Vilnius, 52(51) squar. (Fig. 296), 3.IV-

24.IX, 40♀, 3.VI-21X,

414♀, 4-27.VIII, 43♂/1,

5, 18, 70, 71, 75, 125/,

polylectic, more

frequently on

Trifolium pratense, *Centaurea rhenana*, *Geranium pratense*, *Malva* sp., *Lotus corniculatus*, *Hieracium umbellatum*, *Trifolium arvense*, *Scabiosa ochroleuca*, *Anchusa officinalis*, *Echium vulgare*, *Onobrychis viciae-folia*, widely distributed, but more abundant in agricultural-urban landscape, especially in the regions, where are stony soils.

Distribution: Europe (up to 66° N), North Africa, Caucasus, Turkey.

• **Bombus (Bombus) lucorum (Linnaeus, 1761)**

Akm, Al, An, Brž,

Ign, Kš, Lzd, Mlt,

Mrj, Ph, Prn, Rd, Rk,

Šl, Šlčn, Švnč, Tl,

Trg, Ut, Vlkv, Vrn,

Akmenė, Daugai,

Druskininkai, Dusetos,

Ignalina, Kaunas,

Kuršėnai, Neringa,

Palanga, Šiauliai,

Švenčionys, Vilnius,

64(63) squar. (Fig.

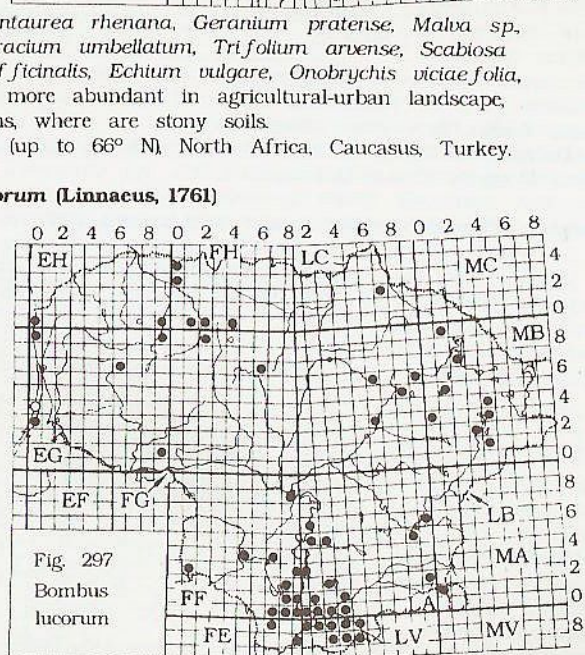
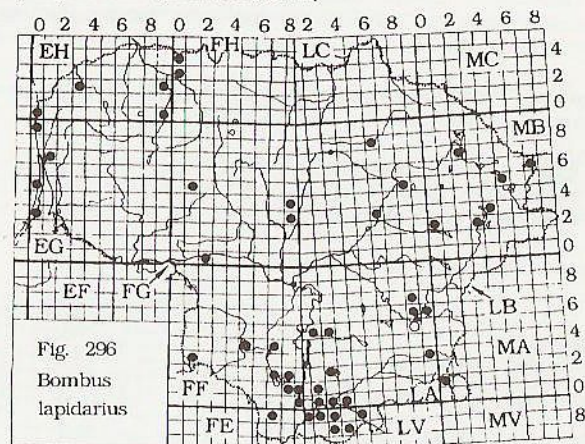
297), 7.IV-12.X, 249♀,

2.V-27.IX, 693♀, 13.VI-

30.IX, 191♂/18, 68, 70,

71, 75, 125/, polylectic,

more frequently on *Comarum palustre*, *Salix* sp. sp., *Calluna vulgaris*, *Melampyrum pratense*, *Taraxacum officinale*, *Sedum acre*, *Melilotus*



officinalis, *Trifolium arvense*, *Origanum vulgare*, *Solidago v-aurea*, *Thymus serpyllum*, *Fagopyrum sagittatum*, *Linaria vulgaris*, widely distributed and abundant, but the most density in forest landscape, especially in Dainava Sandy Plain. One of the most abundant wild bees species in Lithuania.

Distribution: Europe (between 71° and 42° N), Caucasus, Turkey, Turkestan, Pamirs, Tibet, North and East Kazakhstan, Siberia, North and Central Mongolia, Kamchatka, Sakhalin, North America.

***Bombus (Thoracobombus) maculidorsis maculidorsis* Skorikov, 1922** (? = *laesus* Mor. var. Schmied. sensu Strand, 1918)

Ignalina, MB43, 1-15.IX.1916, 1♂/125/.

Distribution: East Europe (up to 59° N and 21° E), southern part of West Siberia, North Kazakhstan, Altai, up to Yenisei.

• ***Bombus (Bombus) magnus* Vogt, 1911**

Lzd, Vrn, Druskininkai, 7(7) squar. (Fig. 298), 11.IV-20.VII, 35♀, 3.VI-27.IX,

46♂ /70, 72/, polylectic, more frequently on *Calluna vulgaris*,

Taraxacum officinale, *Lathyrus pratensis*, *Melampyrum pratense*, *Comarum palustre*, *Vaccinium vitis-idaea*, discovered almost only in Dainava Sandy Plain's forests, here rather abundant.

Distribution: Europe (between 69° and 43° N), Caucasus, Iran, Turkestan, North Mongolia, China, Manchuria.

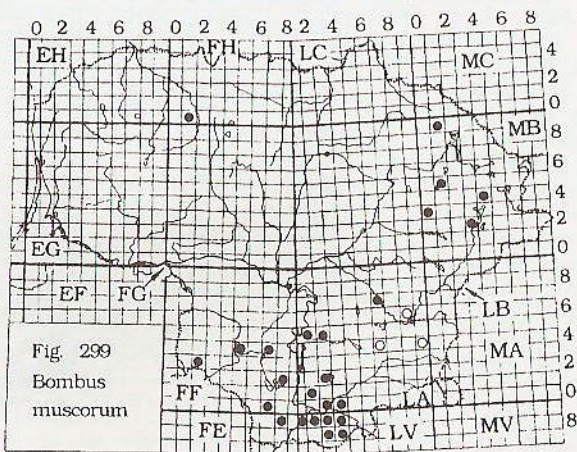
• ***Bombus (Thoracobombus) muscorum* (Linnaeus, 1758)** (= *cognatus* auct)

Al, Ign, Lzd, Mlt, Mrj, Prn, Rk, Šl, Švnč, Ut, Vlkv, Vrn, Daugai, Vievis, 28(25) squar. (Fig. 299),

14.IV-31.VII, 29♀, 25.V-

11.IX, 40♂, 11.VII-30.IX, 22♂/1, 70, 71, 75/,

polylectic, more frequently on *Trifolium pratense*, *Scabiosa ochroleuca*, *Calluna vulgaris*, *Medicago falcata*, *Anthyllis* sp., *Anchusa officinalis*, rather abundant in



South and East Lithuania, elsewhere rare.

Distribution: Europe (up to 68° N), Caucasus, Turkey, Kazakhstan, Tien Shan, southern part of West Siberia, Baikal, Yakutsk, North Mongolia, Manchuria.

• ***Bombus (Thoracobombus) pascuorum* (Scopoli, 1763)** (= *agrorum* Fabricius, = *minorum* Fabricius)

Akm, Al, An, Ign, Jrb, Klm, Lzd, Mlt, Ph, Prn, Rd, Skd, Šk, Šl, Šlčn, Švnč, Tl, Trak, Trg, Ut, V, Vrn, Akmėnė, Daugai, Dotnuva, Dusetos, Eišiškės, Ignalina, Kaunas, Marijampolė, Molėtai, Neringa, Palanga, Širvintos, Vilnius, Virbalis, 63(58) squar. (Fig. 300), 14.IV-30.IX,

306♀, 6.V-27.IX,

841♂, 7.VII-30.IX,

149♂/1, 2, 5, 18, 70,

71, 75, 125/, polylectic, more frequently on *Echium vulgare*, *Geum rivale*, *Melampyrum pratense*, *Vicia* sp., *Calluna vulgaris*, *Cirsium* sp., *Medicago falcata*, *Mentha* sp., *Linaria vulgaris*, *Lamium album*, *Veronica longifolia*, *Trifolium pratense*, *Centaurea* sp., *Anthyllis* sp., *Trifolium arvense*, *Knautia arvensis*, *Pulmonaria obscura*, *Lathyrus silvestris*, widely distributed and almost everywhere abundant. One of the most abundant wild bees species in Lithuania. Two colour forms were discovered: var. *agrorum* Fabr. (frequent) and var. *tricuspis* Schmiedekn. (rare).

Distribution: Europe (up to 70° N), Turkey, Iran, North Kazakhstan, Siberia, China.

• ***Bombus (Rhodobombus) pomorum* (Panzer, 1805)**

Al, FF82, Obelija,

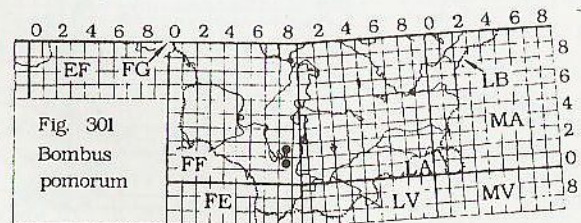
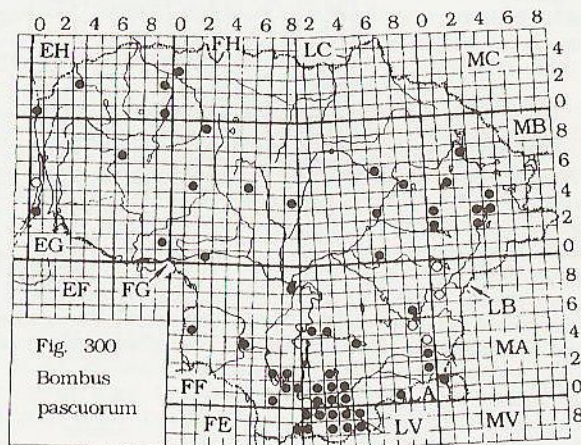
2-4.VII.1980, 4♀ /7/;

Lzd, FF81, Seirijai,

7.VIII.1986, 1♀ /76/ (Fig.

301), on *Centaurea* sp. Included in the Red Data Book of Lithuanian fauna.

Distribution: Europe without western part (between 58° and 41° N), Turkey.



◦ **Bombus (Pyrobombus) pratorum** (Linnaeus, 1761)

Akm, An, Ign,
Lzd, Pln, Pn, Prn, Rd,
Rk, Šk, Šl, Švnč, Tl,
Trak, Trg, Ut, V,
Vrn, Ignalina, Kaunas,
Klaipėda, Molėtai,
Vilnius, 38(38) squar.
(Fig. 302), 12IV-17.VIII,
104♀, 24.V-17.VIII,

212♂, 13.VI-17.VIII,
40♂/70, 71, 75/
polylectic, more
frequently on *Knautia
arvensis*, *Melampyrum
pratense*, *Comarum
palustre*, *Geum rivale*,
Chamaenerium angustifolium, *Malus domestica*, *Taraxacum officinale*,
Vaccinium vitis-idaea, *Echium vulgare*, *Geranium robertianum*, *Pulmonaria
obscura*, widely distributed, but more abundant in forest landscape. Four
colour forms were discovered: nominotypical form (frequent), var.
donovanellus Kirby (not rare), var. burellanus Kirby (not rare) and var.
styriacus Hoff. (rare).

Distribution: Europe (between 71° and 42° N), Caucasus, Turkey, Iran,
South Siberia.

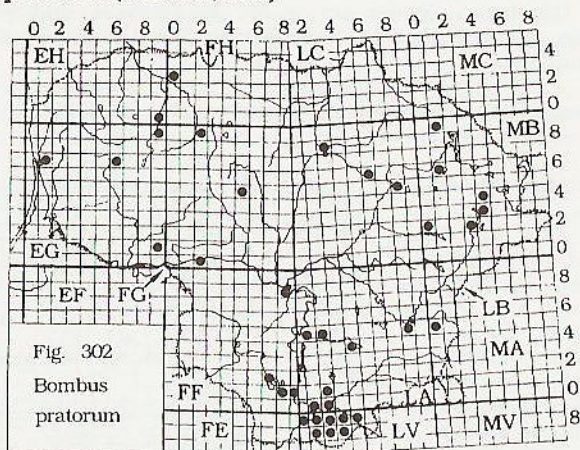


Fig. 302
Bombus
pratorum

◦ **Bombus (Thoracobombus) ruderarius** (Muller, 1776) (= *derhamellus* Kirby)

Akm, Al, An, Jrb,
Lzd, Mrj, Prn, Rk, Šl,
Šlčn, Šlu, Švnč, Tl,
Trak, Ut, V, Vlkv,
Vrn, Dusetos, Ignalina,
Kaunas, Kėdainiai,
Neringa, Vilnius,
48(44) squar. (Fig.
303), 1V-25.VIII, 76♀,

1(?)13.V-19.VIII, 175♂,
1.VII-25.VIII, 31♂/1, 2,
5, 18, 68, 70, 71, 75,
125/, polylectic, more
frequently on various
species of
Leguminosae
(*Trifolium pratense*,
Vicia sp., *Lathyrus* sp. sp., *Medicago falcata*, *onobrychis viciae folia*),
Lamium album, *Geum rivale*, *Centaurea* sp., *Anchusa officinalis*, widely
distributed, but more abundant in agricultural landscape, where heavy soils

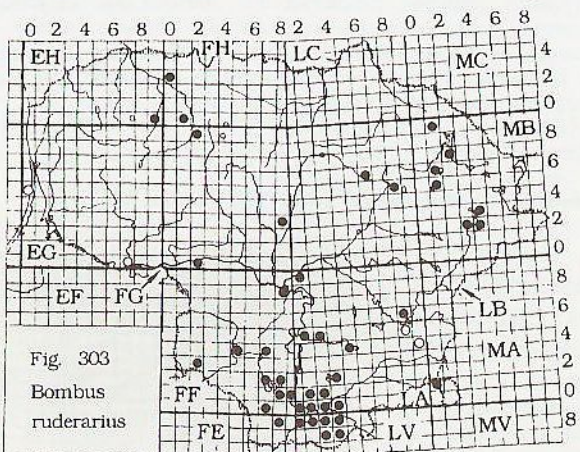


Fig. 303
Bombus
ruderarius

prevail. Two colour forms were discovered: nominotypical form (frequent)
and var. rossicus Skorikov (not rare).

Distribution: Europe (up to 67° N), Caucasus, Turkey, southern part of
West Siberia, North Kazakhstan, Baikal.

◦ **Bombus (Megabombus) ruderatus eurynotus** Vogt, 1909

Vilnius, LA95, VII1918, 1♀/1♂/.

Distribution: Europe without Iberian peninsula (up to 57° N and 50° E).

◦ **Bombus (Thoracobombus) schrencki** (Morawitz, 1881)

Akm, An, Ign, Kš,
Lzd, Prn, Švnč, Trg,
Vrn, Vilnius, 24(24)
squar. (Fig. 304), 7IV-6.IX,

65♀, 5.VI-26.IX, 283♂,
22.VII-6.IX, 31♂/7, 69, 70,
71, 75/, polylectic, more
frequently on *Calluna
vulgaris*, *Vicia cassubica*,
Pedicularis palustris,
Cirsium oleraceum,
Geranium robertianum,
*Chamaenerium
angustifolium*, *Ajuga* sp.,
Mentha verticillata, *Geum
rivale*, *Trifolium repens*,

almost only in forests and near the forests, in Dainava Sandy Plain
abundant, in East Lithuania rather rare, elsewhere rare. A western border
of the range passes through Lithuania.

Distribution: East Europe (between 68° and 50° N, up to 23° E),
Siberia, North Mongolia, Far East.

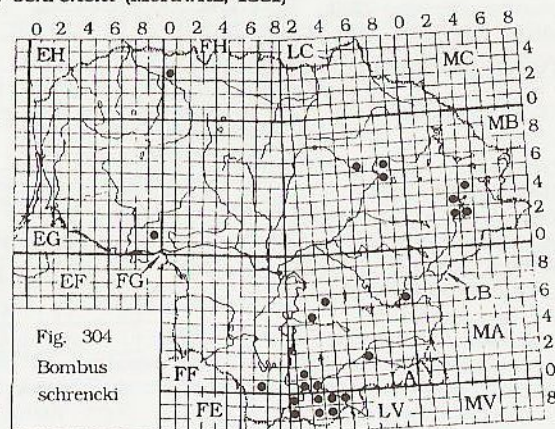


Fig. 304
Bombus
schrencki

◦ **Bombus (Cullumanobombus) semenoviellus** (Skorikov, 1909)

An, Lzd, Prn, Trg,
Vrn, Daugai, 11(11) squar.
(Fig. 305), 3V-6.VII, 4♀,

4.VI-8.VIII, 12♂, 8.VIII,
1♂/75, 76, 77/, on
Hypochoeris radicata,
Vicia sp., *Ranunculus*
sp., *Knautia arvensis*,
Acer platanoides,
Anthemis tinctoria,
Centaurea sp., *Anchusa
officinalis*,
unidentified species of
Umbelliferae and yellow

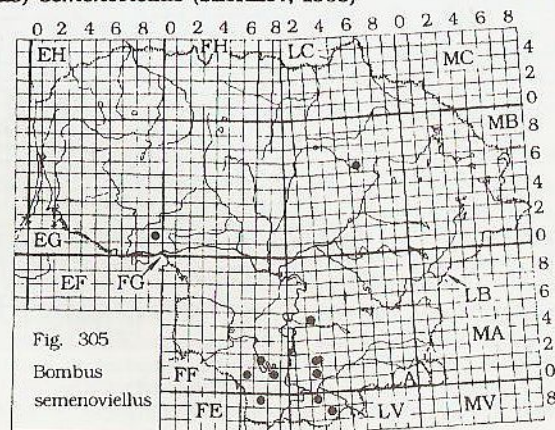


Fig. 305
Bombus
semenoviellus

blooms *Compositae*, rare in agricultural-forest landscape. Included in the Red Data Book of Lithuanian fauna. A western border of the range passes through Lithuania.

Distribution: East Europe (between 58° and 53° N, up to 23° E), North Asia (up to 67° N and 120° E)

Bombus (Kallobombus) soroensis (Fabricius, 1777)

An, Ign, Lzd, Mlt, Prn, Rd, V, Vrn, Ignalina, Neringa, 12(0) squar. (Fig. 306), 20.V-

4.VI, 2♀, 24.VI-20.VIII,

10♂, 20.VIII-18.IX, 3♂/1,

70, 71, 75/, on

Campanula sp. sp.,

Melampyrum sp.,

Taraxacum officinale,

Anchusa officinalis,

Echium vulgare,

Carlina vulgaris, rare

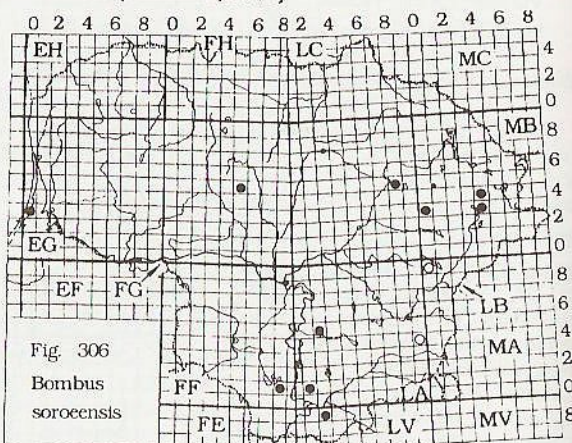
in agricultural-forest

landscape. Two colour

forms were discovered:

nomotypical form (rare) and var. *lactus* Schmied. (more abundant)

Distribution: Europe (up to 70° N), North Africa, Caucasus, Turkey, Iran, Turkestan, Tien Shan, North Mongolia, South Siberia up to Baikal.



Bombus (Subterraneobombus) subterraneus latreillellus (Kirby, 1802)

Akm, Al, An, Lzd, Mlt, Mrj, Prn, Šl, Švnč, Vrn, Akmenė, Dotnuva, Ignalina, Kelmė, Kėdainiai,

Neringa, Vilnius, 30(28) squar. (Fig. 307), 18.V-

11.VIII, 29♀, 18.V-27.VIII,

50♀, 11.VII-1.IX, 31♂/2,

18, 70, 71, 75, 125/,

polylectic, more

frequently on

Trifolium pratense,

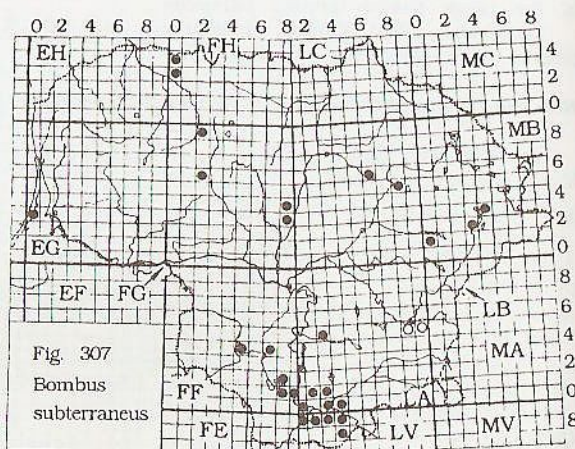
Lamium maculatum,

Centaurea sp., *Knautia*

arvensis, *Calluna*

vulgaris, *Anchusa*

officinalis, not rare, more abundant in agricultural landscape, where heavy soils prevail, especially in the regions, where cultivated red clover.



Distribution: Europe without Sweden and Norway (between 60° and 42° N), Caucasus, Turkey, North and East Kazakhstan, Tien Shan, Altai, Baikal, North Mongolia.

Bombus (Thoracobombus) sylvarum (Linnaeus, 1761)

Akm, Al, An, Lzd, Mrj, Prn, Šl, Tl, V, Vrn, Daugai, Dotnuva, Druskininkai, Ignalina, Kėdainiai, Neringa, Palanga, Vilnius, 29(27) squar. (Fig. 308), 6.V-

12.VIII, 41♀, 5.VI-19.IX,

64♀, 5-25.VIII, 8♂/1, 2,

18, 70, 75, 125/,

polylectic, more

frequently on various

species of *Leguminosae*

(*Trifolium arvense*, *T.*

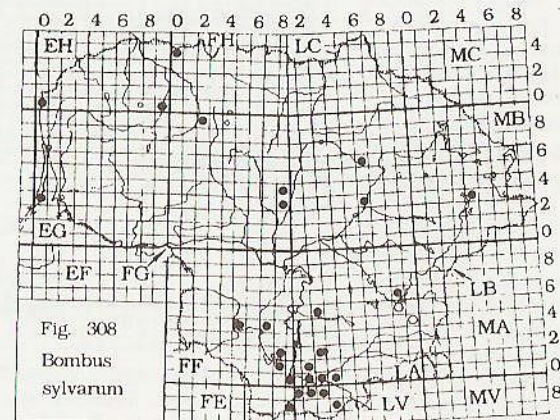
pratense, *T. repens*,

Lathyrus sp., *Medicago*

falcata, *Anthyllis sp. etc.*), *Lamium album*, *Leonurus cardiacum*, *Anchusa*

officinalis etc, not rare, more abundant in agricultural-forest landscape.

Distribution: Europe (between 62° and 43° N), Caucasus, Turkey, Iran, Altai, Transbaikal (?).



Bombus (Bombus) terrestris (Linnaeus, 1758)

Akm, Al, An, Jrb, Lzd, Mlt, Mrj, Prn, Sk, Šlčn, Šlu, Tl, Ut, V, Vlkv, Vrn, Akmenė,

Daugai, Dotnuva,

Ignalina, Jurbarkas,

Kaunas, Kėdainiai,

Neringa, Palanga,

Panevėžys, Švenčionys,

Ukmergė, Vilkija, Vilnius,

Zarasai, 52(44) squar. (Fig. 309), 13.IV-18.IX,

54♀, 23.VI-27.VIII, 66♀,

31.VII-27.VIII, 30♂/1, 2, 5,

18, 68, 70, 75, 125/,

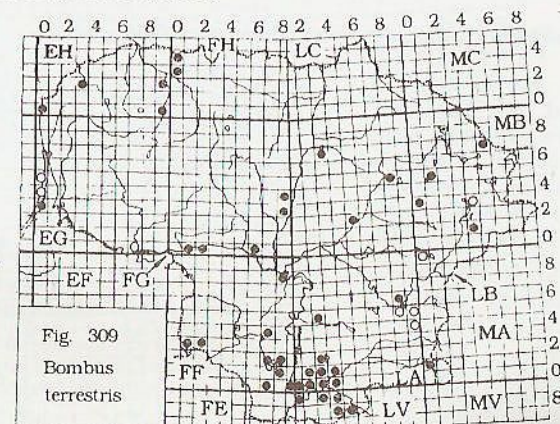
polylectic, more

frequently on *Trifolium pratense*, *Lamium album*, *Salix sp. sp.*, *Papaver*

somniferum, *Ribes nigrum*, *Echium vulgare*, widely distributed, but more

abundant in agricultural-urban landscape, where heavy soils prevail.

Distribution: Europe (up to 60° N), North Africa, Caucasus, Turkey, Turkestan, North and East Kazakhstan. Introduced to New Zealand.



Bombus (Thoracobombus) veteranus (Fabricius, 1793) (= *equestris* auct. = *arenicola* Thomson)

Akm, An, Ign, Lzd, Mlt, Mrj, Prn, Rk, Šk, Šl, Švnč, Tl, V, Vrn, Akmenė, Dotnuva, Ignalina, Kėdainiai, Kybartai, Neringa, Plungė, Vilnius, 32(29) squar. (Fig. 310), 13.V-1.VIII,

24♀, 24.VI-27.VIII,

108♂, 29.VII-18.IX,

28♂/l, 70, 71, 75, 125/, polylectic, more frequently on various species of Leguminosae

(*Trifolium pratense*, *Vicia* sp., *Anthyllis* sp., *Lathyrus* sp. sp., *Medicago falcata*), *Centaurea* sp., *Lamium album*, *Brunella* sp., rather widely distributed, but more abundant only locally in agricultural landscape, where heavy soils prevail.

Distribution: Europe (between 64° and 45° N), North and East Kazakhstan, southern part of West Siberia, North Tien Shan, Baikal, North Mongolia.

Genus *Psithyrus* Lapeletier, 1833

Psithyrus (Allopsithyrus) barbutellus (Kirby, 1802)

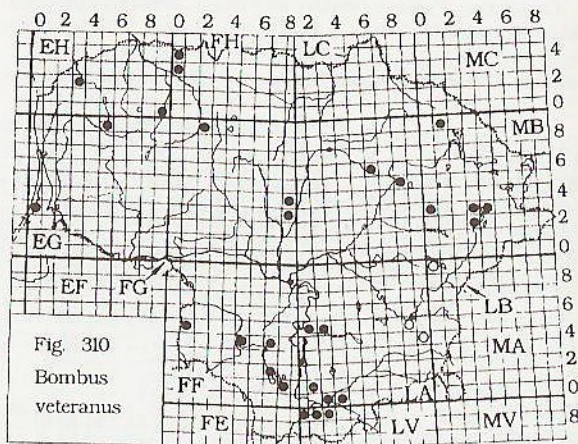
Al, An, Ign, Jrb, Lzd, Prn, Rk, Švnč, V, Vrn, Akmenė, Alytus, Dotnuva, Druskininkai, Ignalina, Kėdainiai, Vilnius, 22(19) squar. (Fig. 311), 17.V-27.VIII,

27♀, 20.VII-27.VIII,

12♂/l, 18, 70, 71, 75, 125/, on *Trifolium pratense*, *Knautia arvensis*, *Centaurea* sp., *Cirsium* sp., *Ledum palustre*, *Calluna vulgaris*, *Malus domestica*, more abundant only

locally in agricultural-forest landscape, where heavy soils prevail.

Distribution: Europe (up to 62° N), Caucasus, Turkey, Siberia, Mongolia.



Psithyrus (Ashtonipsithyrus) bohemicus (Seidl, 1837)

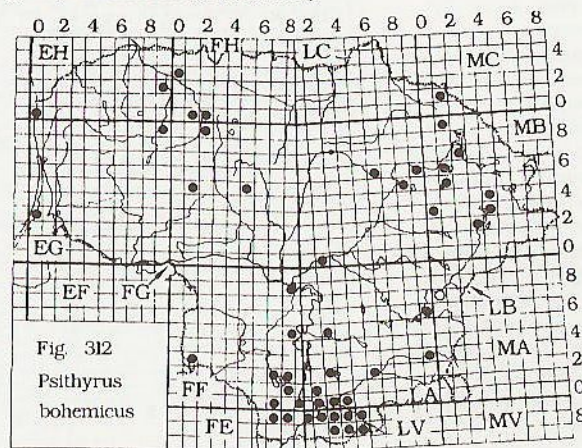
Alkm, Al, An, Ign, Jon, Klm, Lzd, Mlt, Prn, Rd, Rk, Šl, Šičn, Švnč, Tl, Ut, V, Vlkv, Vrn, Dusetos, Ignalina, Kaunas, Kuršėnai, Neringa, Palanga, Prienai, Vilnius, 51(50) squar. (Fig. 312), 13.IV-

27.IX, 104♀, 23.V-30.IX, 117♂/l, 70, 71, 75/,

polylectic, more frequently on *Solidago aurea*, *Carduus crispus*, *Taraxacum officinale*, *Geum rivale*, *Aegopodium*

podagraria, *Centaurea* sp., *Knautia arvensis*, *Cirsium palustre*, widely distributed, but more abundant in forest landscape.

Distribution: Europe (up to 70° N), Asia up to Pacific Ocean.



Psithyrus (Metapsithyrus) campestris (Panzer, 1801)

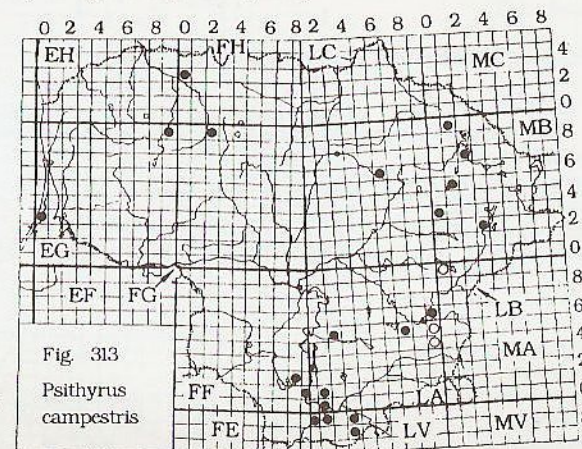
Akm, Al, An, Lzd, Mlt, Prn, Rk, Šl, Švnč, Tl, Trak, Ut, V, Vrn, Dusetos, Neringa, Vilnius, 24(21) squar. (Fig. 313), 19.V-25.VIII,

25♀, 13.VII-21.IX, 24♂/l,

18, 70, 71, 75/, on *Trifolium pratense*, *Knautia arvensis*, *Centaurea* sp., *Geum rivale*, *Scabiosa ochroleuca*, *Echium vulgare*, *Lamium album*, *Calluna vulgaris*, *Anchusa officinalis*, *Carlina vulgaris*, more

abundant in agricultural-urban landscape, where heavy soils prevail.

Distribution: Europe (up to 62° N), Caucasus, Turkey, Iran, West Siberia, Mongolia, North China, Manchuria.



Psithyrus (Fernaldaepsithyrus) norvegicus Schneider, 1918

Akm, Ign, Mlt, Prn, Šk, Šl, Vrn, 8(8) squar. (Fig. 314), 13.V-5.VII, 5♀, 25.VI-31.VII, 30♂/70, 71, 72, 75/, on *Knautia arvensis*, *Cirsium oleracium*,

C. palustre, *Solidago v-aurea*, *Vicia* sp., *Chamaenerium angustifolium*, *Malus domestica*, *Thymus pulegioides*, *Aegopodium podagraria*, *Jasione montana*, *Taraxacum officinale*, rather rare, discovered in forests and near the forests.

Distribution: Europe (between 63° and 45° N), Siberia, Baikal, North Mongolia, Kamchatka, Japan.

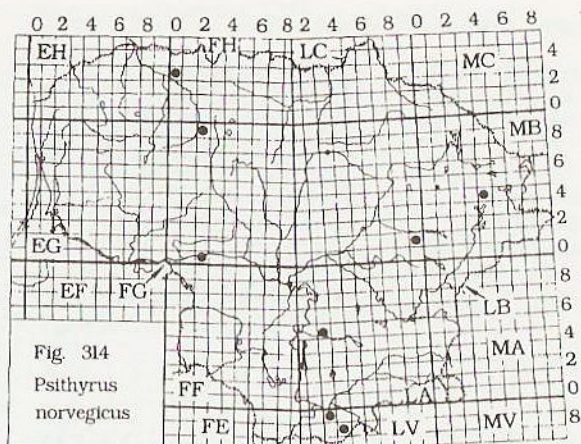


Fig. 314
Psithyrus norvegicus

***Psithyrus (Fernaldaepsithyrus) quadricolor* Lepeletier, 1832**

Not yet known, but reported from Rossitten (Rybatschi) in Kaliningrad obl. (Russia)/68/ and in Latvia /132/ near Lithuania.

Distribution: Europe (between 63° and 43° N), Caucasus, Turkey, Transbaikal.

***Psithyrus (Psithyrus) rupestris* (Fabricius, 1793)**

Al, Lzd, Mlt, Prn, Rd, Rk, Šlu, V, Vrn, Daugai, Ignalina, Neringa, Vabalninkas, Vilnius, Zarasai, 26(22) squar. (Fig.

315), 4.VI-21.VII, 32♀, 26.VII-24.IX, 21♂/1, 18, 68, 70, 75, 125/, on *Trifolium pratense*, *T. repens*, *Echium vulgare*, *Anchusa officinalis*, *Hieracium* sp., *Linaria vulgaris*, *Calluna vulgaris*, *Leontodon*

autumnalis, *Scabiosa ochroleuca*, *Centaurea* sp., *Thymus serpyllum*, *Senecio jacobaea*, *Onobrychis viciaefolia*, *Carlina vulgaris*, more abundant in agricultural-urban landscape.

Distribution: Europe (up to 62° N), Caucasus, Turkey, Siberia, Mongolia, North Manchuria.

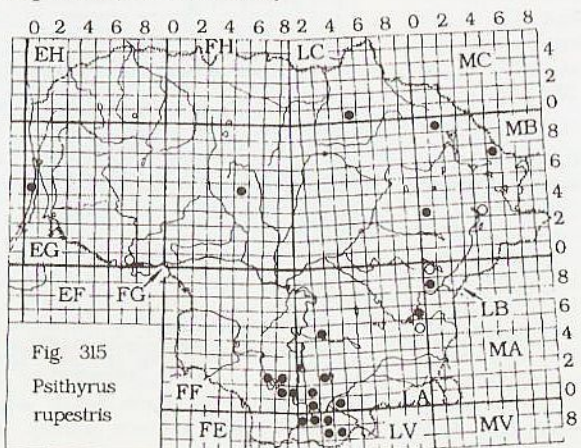


Fig. 315
Psithyrus rupestris

***Psithyrus (Fernaldaepsithyrus) sylvestris* Lepeletier, 1832**

Ign, Rd, Trg, Vrn, Kaunas, Molėtai, 9(9) squar. (Fig. 316), 6.V-31.VII, 13♀, 19.VI-24.VIII, 26♂/70, 71, 72/, on *Cirsium oleraceum*, *Knautia arvensis*, *Taraxacum officinale*, *Arnica montana*, *Solidago v-aurea*, *Chamaenerium angustifolium*, *Thymus serpyllum*, *Geum rivale*, *Mentha verticillata*, *Potentilla arenaria*, *Dianthus deltoides*, *Vaccinium v-idaea*, *V. myrtillus*, rather rare, discovered in forests and near the forests.

Distribution: temperate and North Europe (up to 66° N), Caucasus, Turkey, Siberia, Kamchatka, Korea.

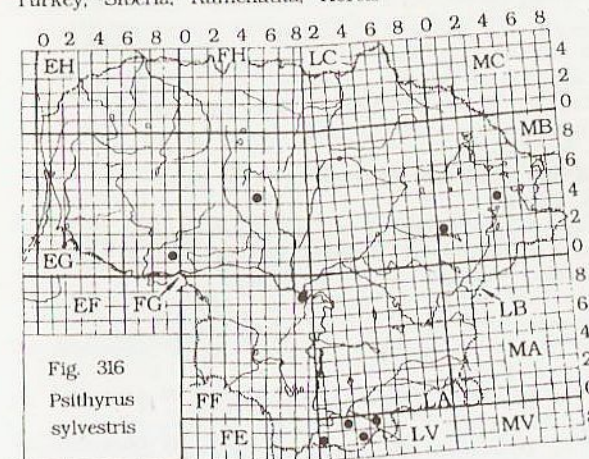


Fig. 316
Psithyrus sylvestris

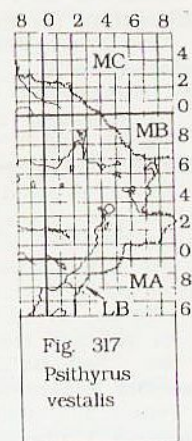


Fig. 317
Psithyrus vestalis

***Psithyrus (Ashtonipsithyrus) vestalis* (Geoffroy in Fourcroy, 1785)**

Ignalina, MB43, 1-15.IX.1916, ♀♂ (Fig. 317) /125/. The occurrence of this species in Lithuania requires confirmation.

Distribution: Europe (up to 58° N), North Africa, Caucasus, Turkey, Iran.

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Lietuvos laukinių bičių (Hymenoptera, Apoidea) sąrašas su duomenimis apie jų paplitimą ir bionomiją

Monsevičius Virg.

Reziumė

Lietuvos laukinių bičių sąrašas sudarytas pagal autoriaus ir kolegų kolekcinę medžiagą bei literatūrinius duomenis. Šiuo metu dabartinės Lietuvos respublikos teritorijoje užregistruotos 322 laukinių bičių rūšys ir porūšiai. Sąraše pateikiamos ir 29 rūšys ir porūšiai, rastos kaimyninėse šalyse netoli Lietuvos ribų, kaip potencialiai naujos Lietuvos faunai.

Nurodoma Lietuvos bičių fauną aprašančioje literatūroje sutinkami sinonimai, kiekvienos rūšies radimvietės pagal administracinius rajonus ir UTM tinklelio kvadratus, pateikiant žemėlapius ar jų dalis (retoms rūšims ir pagal vietovardžius), kraštutinės aptikimo datos ir rastųjų individų skaičius (atskirai pagal lytis), literatūros šaltiniai, kuriuose minima kiekviena sąraše išvardinta rūšis, dažniausiai lankomi augalai, ekologinės pastabos ir bendras paplitimas.

Список диких пчел (Hymenoptera, Apoidea) Литвы с данными о их распространении и биологии

Монсевичюс Вирг.

Резюме

Представлен список диких пчел Литвы, составленный по коллекционному материалу автора и его коллег и по литературным источникам, включающий 322 вида и подвида. В список включены и 29 видов и подвидов, найденных в соседних странах близко от границы Литвы как потенциально новые для фауны Литвы.

Для каждого вида указаны: синонимы, встречаемые в литературе описывающей фауну Литвы, места нахождения по административным районам и квадратам UTM сетки с представлением карт или их частей, крайние даты нахождения и число найденных индивидов (расдельно по полам), литературные источники, на основании которых данный вид отнесен к фауне Литвы, основные посещаемые растения, экологические заметки и общее распространение.

New and rare for Lithuania insect species. Records and descriptions of 1994-1995

14 NEW AND 3 RARE FOR LITHUANIA SPECIES OF COLEOPTERA FOUND IN 1987-1994

Šablevičius B, Ferenc R.

This paper is based on material gathered by the first author. The ten species were determined by R. Ferenc. The beetles were collected in 4 administrative districts of Lithuania: Šilutė (env. Rambynas), Lazdijai (tsh. Veisiejai), Kaišiadorys (pr. Būda, pr. Kaukinė), Ignalina (national park) and in t. Neringa (sett. Juodkrantė, sett. Nida). The material is preserved in the collection of Aukštaitija national park and personal collection of B. Šablevičius. Three rare for Lithuania species included into the Red Data Book of Lithuania are marked with asterisk.

Check-list of species

CARABIDAE

****Cicindela maritima* Dej.**

Neringa, Nida, 7.VI.1987, 2 spec., 3-9.VI.1990, 2 spec. on the moving dunes.

***Leistus piceus* Froel.**

Kš, Kaukinė, 27.VI.1994, 2 spec. Kš, Būda, 1.VII.1994, 1 spec. Mixed forests.

***Anisodactylus binotatus* F.**

Kš, Būda, 10.VII.1994, 2 spec., mixed forest.

DYTISCIDAE

***Hydrophorus planus* F.**

Kš, Būda, 25.VI.1994, 2 spec., in a water of the gutter in mixed forest.

HYDROPHILIDAE

***Laccobius minutus* L.**

Kš, Kaukinė, 23.VII.1994, 1 spec., in a pit with water in mixed forest.

Helophorus affinis Mersch.

Kš, Būda, 25.VII.1994, 1 spec, mixed forest.

LUCANIDAE

***Ceruchus chrysomelinus** Hochw.

Ignalina, National park, 20.IX.1994, 3 spec, in decaying birch timber in mixed forest.

OSTOMATIDAE

***Peltis grossa** L.

Kš, Kaukinė and Būda, VI-VII.1994, 8 spec. Mixed wet forests, on the fungi *Fomes fomentarius* L. (dry birch trunk)

CISIDAE

Cis boleti Scop.

Kš, Būda, 24.IX.1994, 3 spec. Mixed forest, inside of fungi on the oak stump.

Cis gestivus Gyll.

Kš, Kaukinė, 12.VIII.1994, 2 spec. Mixed forest, inside of fungi on the oak stump.

Cis elongatulis Gyll.

Kš, Kaukinė, 2.VIII.1994, 2 spec. Mixed forest, inside of fungi on the oak stump.

CHRYSOMELIDAE

Cryptocephalus exiguus Schr.

Kš, Kaukinė, 23.VII.1994, 1 spec. In the meadow.

ANTHRIBIDAE

Tropideres albirostris Hbst.

Kš, Kaukinė, 1.VII.1994, 1 spec. Mixed forest on the bank river Juodupis.

CURCULIONIDAE

Cyphocleonus tigrinus Pz.

Lzd, Veisiejai, 24.VI.1988, 1 spec, 18.VI.1991, 1 spec. Dry meadow, on sparse grass.

Liparus glabrirostris Kust.

Šlu, Bitežeris lake, 13.VI.1990, 1 spec. Meadow on the bank. Šlu, delta of Nemunas, island Briedžiu, 4.VII.1991, 3 spec.

Otiorrhynchus orbicularis Hbst.

Neringa, Juodkrantė, 25.IX.1992, 2 spec. on the sand of beach.

Sitona gressorius F.

Neringa, Juodkrantė, 25.IX.1992, 1 spec. on the sand of beach.

National park Aukštaitija
Zoological museum in Kaunas

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14 naujų ir 3 retos vabalų rūšys, rastos 1987-1994 m.

Šablevičius B., Ferenca R.

Reziumė

Naujos ir retos rūšys surinktos 4 Lietuvos administraciniuose rajonuose ir Kuršių nerijoje 1987-1994 m. Retosios rūšys yra įrašytos į Lietuvos "Raudonąją knygą". Nurodoma kiekvienos rūšies radimo vieta, data, individų skaičius ir biotopas.

14 новых и 3 редких для Литвы видов жуков (*Coleoptera*), найденных в 1987-1994 гг.

Шаблявичюс Б., Ференца Р.

Резюме

Новые и редкие виды жуков собраны в 4 административных районах Литвы и на Куршской косе в 1987-1994 гг. Редкие виды включены в список Красной книги Литвы. Для каждого вида указаны место и дата нахождения, количество индивидов и биотоп.

New and rare for Lithuania insect species. Records and descriptions of 1994-1995

**36 RARE AND 2 NEW FOR THE LITHUANIAN FAUNA
LEPIDOPTERA SPECIES**

Ivinskis P., Ostrauskas H.

The paper presents the data on 36 rare and 2 new *Lepidoptera* species found in Lithuania. The material was collected in 1989-1994 by H. Ostrauskas and was determined in 1993-1994 by P. Ivinskis. The investigations were carried out in 9 administrative districts of Lithuania: Anykščiai (v. Burbiškis), Ignalina (v. Meironys - National park "Aukštaitija"), Kaunas (v. Ringovė - entomological preserve), Lazdijai (v. Sventijanskas), Marijampolė (v. Juodeliai), Trakai (v. Varliškės, v. Varnikai - Historical national park "Trakai", Margio karjeras - pit), Ukmergė (v. Zujai), Varėna (v. Kapiniškiai - National park "Dzūkija", v. Marcinkonys), Vilnius (v. Antaviliai, v. Belazariškės, v. Joninės), also in Vilnius city (sub. Aukštieji Paneriai, Naujieji Verkiai, Pavilnys).

For each species information on its locality, finding date and number of collected specimens is provided.

Check-list of species

TINEIDAE

***Scardia polypori* (Esp.)**

Ign, Meironys, 4.VIII.1993, 1 spec.

OECOPHORIDAE

***Harpelia forficella* (Sc.)**

Trak, Varliškės, 28.VII.1994, 1 spec; Vilnius, Aukštieji Paneriai, 12.VII.1994, 1 spec; Ign, Meironys, 4.VIII.1993, 1 spec.

***Pseudatemelia flavifrontella* (Den. et Schiff.)**

V, Belazariškės, 6.VII.1994, 1 spec.

GELECHIIDAE

***Argolamprotes micella* (Den. et Schiff.)**

Trak, Varliškės, 9.VII.1992, 1 spec.

***Brachmia lutatella* (H.-S.)**

Ukm, Zujai, 5.VII.1989, 1 spec.

YPONOMEUTIDAE

***Acrolepia pygmeana* (Hw.)**

Vilnius, Pavilnys, 10.VII.1994, 1 spec.

TORTRICIDAE

****Phalonidia minimana* (Car.)**

Vrn, Marcinkonys, 12.VIII.1989, 1 spec.

***Aethes fennicana* (M. Hering)**

Mrj, Juodeliai, 21.VI.1992, 1 spec.

***Cochylis dubitata* (Hb.)**

V, Belazariškės, 27.VII.1994, 1 spec.

***Pandemis cinnamomeana* (Tr.)**

Vilnius, Pavilnys, 10.VII.1994, 2 spec; Trak, Varliškės, 20.VII.1994, 1 spec.

***Archips crataegana* (Hb.)**

Vilnius, Pavilnys, 10.VII.1994, 2 spec; An, Burbiškis, 7.VII.1989, 1 spec; Trak, Varliškės, 30.VI.1992, 1 spec.

***Ptycholomoides aeriiferanus* (H.-S.)**

Vilnius, Pavilnys, 10.VII.1994, 1 spec.

***Olindia schumacherana* (F.)**

Vilnius, Naujieji Verkiai, 11.VII.1994, 1 spec; Trak, Varliškės, 29.VI.1992, 1 spec.

***Cnephasia interjectana* (Hw.)**

An, Burbiškis, 7.VII.1989, 1 spec; Ukm, Zujai, 5.VII.1989, 1 spec.

****Eana derivana* Har.**

Trak, Margio karjeras, 18.VII.1994, 1 spec.

***Phiaris dissolutana* (Stange)**

V, Belazariškės, 27.VIII1994, 1 spec.

***Phiaris metallicana* (Hb.)**

Vilnius, Naujieji Verkiai, 11.VIII1994, 1 spec.

***Hedya dimidiata* (Cl.)**

Vilnius, Naujieji Verkiai, 11.VIII1994, 1 spec.; Trak, Varnikai, 23.VI1994, 1 spec.

***Ancylis achatana* (Den. et Schiff.)**

Vilnius, Aukštieji Paneriai, 12.VIII1994, 1 spec.; Pavilnys, 10.VIII1994, 1 spec.

***Gibberifera simplana* (F. v. R.)**

Trak, Varliškės, 20.VIII1994, 1 spec.; Mrj, Juodeliai, 21.VI1992, 1 spec.

***Eucosma metzneriana* (Tr.)**

Mrj, Juodeliai, 20.VI1992, 1 spec.; Vrn, Kapiniškiai, 13.VI1992, 1 spec.

PYRALIDAE

***Dioryctria sylvestrella* (Ratzeburg)**

V, Joninės, 12.VIII1994, 1 spec.; Ign, Meironys, 4.VIII1993, 1 spec.; Trak, Varliškės, 10.VIII1993, 1 spec.

***Numonia advenella* (Zck.)**

Ign, Meironys, 4.VIII1993, 1 spec.; Trak, Varliškės, 19.VIII1994, 1 spec., 9.VIII1992, 1 spec.

***Assara terebrella* (Zck.)**

Vilnius, Naujieji Verkiai, 11.VIII1994, 1 spec.; Trak, Varliškės, 11.VIII1992, 1 spec.

***Crambus silvella* (Hb.)**

Lzd, Sventijanskas, 28.VI1989, 1 spec.

***Catoptria permiaca* (W. Petersen)**

Trak, Margio karjeras, 18.VIII1994, 1 spec., Varliškės, 19.VIII1994, 1 spec., 9.VIII1992, 1 spec., 11.VIII1992, 1 spec.; Ign, Meironys, 5.VIII1994, 2 spec., 4.VIII1993, 1 spec.; V, Joninės, 15.VIII1994, 1 spec., Belazariškės, 27.VIII1994, 1 spec.

***Catoptria verellus* (Zck.)**

Vilnius, Aukštieji Paneriai, 12.VIII1994, 1 spec.; V, Antaviliai, 14.VIII1994, 1 spec.

***Scoparia basistrigalis* Knagss**

Trak, Varliškės, 9.VIII1993, 1 spec., 20.VIII1994, 1 spec., 28.VIII1994, 1 spec., Varnikai, 21.VI1994, 1 spec.; V, Joninės, 15.VIII1994, 1 spec.

***Eudonia laetella* (Z.)**

Vilnius, Aukštieji Paneriai, 12.VIII1994, 2 spec.

***Eudonia truncicolella* (Stt.)**

Ign, Meironys, 5.VIII1994, 1 spec.

***Epascestria pustulalis* (Hb.)**

Vilnius, Pavilnys, 10.VIII1994, 1 spec.; Mrj, Juodeliai, 20.VI1992, 3 spec.

***Sitochroa palealis* (Den. et Schiff.)**

Ign, Meironys, 4.VIII1993, 1 spec.

***Agrotera nemoralis* (Sc.)**

Trak, Varliškės, 29.VI1992, 1 spec.

PTEROPHORIDAE

***Platyptilia ochrodactyla* (Den. et Schiff.)**

Trak, Varliškės, 19.VIII1994, 1 spec.

NOLIDAE

***Nola confusalis* (H-S.)**

Kn, Ringovė, 4.VI1990, 1 spec.; Vilnius, Aukštieji Paneriai, 12.VIII1994, 1 spec.

***Nola cucullatella* (L.)**

Vilnius, Aukštieji Paneriai, 12.VIII1994, 1 spec.

NOCTUIDAE

***Photedes minima* (Hw.)**

An, Burbiškis, 7.VIII1989, 1 spec.

Macrochilo cribrumatis (Hb.)

An. Burbiškis, 7.VIII.1989, 1 spec.

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36 retos ir 2 naujos Lietuvos faunai drugių rūšys

Ivinskis P., Ostrauskas H.

Reziumė

Pateikiami duomenys apie 36 retas ir 2 naujas Lietuvos faunai drugių rūšis, priklausančias 9 šeimoms. Kiekvienai rūšiai nurodoma radimvietė, sugavimo data, individų kiekis.

36 редких и 2 новых для фауны Литвы видов чешуекрылых

Ивинскис П., Остраускас Г.

Резюме

Приводятся данные о 36 редких и 2 новых видах для фауны Литвы чешуекрылых, принадлежащих к 9 семействам. Для каждого вида указаны место сбора, дата нахождения, количество собранных экземпляров.

New and rare for Lithuania insect species. Records and descriptions of 1994-1995

**13 NEW AND 48 RARE FOR THE LITHUANIAN FAUNA
LEPIDOPTERA SPECIES**

Ivinskis P., Mozūraitis R.

The paper presents the data on 13 new and 46 rare *Lepidoptera* species found in Lithuania. The investigations were carried out in 20 administrative districts of Lithuania: Biržai (f. Biržai), Ignalina (t. Visaginas), Jurbarkas (v. Pilis), Kaunas (Raudondvaris zoological-botanical pr.), Kėdainiai (for. Kėdainiai: 19 quarter of f. Apytalaukis, 27 quarter of f. Žeimeliai, for. Šėta: f. Žeimeliai), Klaipėda (orchard community Švyturys, v. Laukžemiai, f. Kliošiai), Kretinga (orchard farm Kretinga), Lazdijai (v. Gegutė, v. Gerdašiai), Molėtai (v. Kulionys, v. Sidabrinės, v. Suginėčiai), Panevėžys (v. Kaubariškis, orchard community Ažuolynas and Šarmutas), Šilutė (for. Kintai), Širvintos (for. Širvintos), Švenčionys (v. Abejučiai, v. Zalavas), Tauragė (Nat.R. Viešvilė: office - Kontora, v. Eičiai, bog Artoji, locality Kastinkelis), Telšiai (env. of L. Biržulis), Trakai (v. Kapčiškės, v. Madžiūnai, v. Pamiškė, v. Paraisčiai, v. Rykantai, v. Tamošava), Ukmergė (f. Dukstyna), Utena (v. Radeikiai), Varėna (v. Marcinkonys), Vilnius (v. Naujaneriai, env. of L. Gėla and tsh. Nemenčinė, v. Sužionys), as well as in towns of Kaunas, Palanga (sub. Šventoji), Panevėžys, Šalčininkai, Ukmergė, and Vilnius city (subs. Jeruzalė, Kirtimai, Paneriai, Rasos, Salininkai, Visoriai). The material has been collected by the authors P. Ivinskis (Iv.), R. Mozūraitis (Moz.), and the collectors D. Dapkus, O. Dumčius, R. Kazlauskas (Kaz.), A. Maceika, V. Pacevičius (Pac.), S. Pakalniškis, A. Palionis, G. Švitra (Šv.), E. Titov and V. Uselis.

For each species information on its locality, finding date, number of collected specimens and collector is provided.

Check-list of species

ERIOCRANIIDAE

****Eriocrania chrysolepidella* (Z.)**

Kdn. Šėta, Žeimeliai, 23.IV.1994, 1♂ (Šv.)

TINEIDAE

***In furcitinea ignicomella* (Hdnr.)**

Vrn. Marcinkonys, 14.VII.1994, 1♂ (Iv.)

****Celestica angustipennis* (H.-S.)**

Ign, Visaginas, 25.VI.1993, 1♂ (E. Titov)

****Haplotinea ditella* (P. et Djak.)**

Palanga, Šventoji, 15.19.VIII.1994, 2♀; Klp. Laukžemiai, 29.VIII.1994, 1♀ (Pac.)

****Monopis waeverella* (Scott)**

Trak, Rykantai, 25.VI.1994, 1♂ (E. Titov)

GRACILLARIIDAE

****Ornixola caudatella* (Z.)**

Šr, Širvintas, 27.VI.1994, 1 spec; Vrn, Marcinkonys, 26.VI.1994, 1♂ (Pac.)
13.VII.1994, 1♀ (Iv.)

****Parornix traugotti* Svensson**

Ign, Visaginas, 2.VI.1994, 1♂ (E. Titov)

***Phyllonorycter mespilella* (Hb.)**

Vilnius, Jeruzalė, 9.IX.1994, 17♂, with pheromone traps (Moz.)

***Phyllonorycter muelleriella* (Z.)**

Vilnius, Visoriai, 15.VIII.1993, 1♂, with pheromone traps (Moz.)

ETHMIIDAE

***Ethmia dodecea* Hw.**

Kaunas, 1.VIII.1994, 1♂ (Iv.)

OECOPHORIDAE

***Schiffmuelleria luticiliella* (Ersch.)**

Ukm, Dukstyna, 16.VIII.1993, 1♀ (Šv.)

***Schiffmuelleria schaefferella* L.**

Kdn, Apytalaukis, 20.V.1994, 2 spec, Žimeliai, 10.VI.1994, 1 spec. (Šv.)

****Schiffmuelleria stroemella* (F.)**

Kn, Raudondvaris, 1.VIII.1994, 1♀ (O. Dumčius)

***Anchinia daphnella* (Hb.)**

V, Naujaneriai, 1.VI.1994, 2 pupae on the twig of *Daphne mezereum*,
imago 17.VI (Iv.)

***Depressaria artemisiae* Nick.**

Palanga, Šventoji, 22.VIII.1994, 1♂ (Pac.)

****Depressaria leucocephala* Snell.**

Vilnius, Paneriai, 19.VI.1994, 4 larvae among rolled laeves on *Artemisia vulgaris*, imago 19.VII (Iv.); Trg, Elčiai, 6.V.1993, 1♀ (V. Uselis)

***Agonopterix angelicella* (Hb.)**

Tl, Biržulis, 20.VIII.1990, 1♀ (Kaz.)

***Agonopterix assimilella* (Tr.)**

Vilnius, Paneriai, 12.VIII.1989, 1♂ (Kaz.)

***Agonopterix multiplicella* (Ersch.)**

Trak, Paraisčiai, 7.V.1989, 1♀ (Kaz.); V, Gėla, 28.V.1991, 2♂ (A. Maceika)

***Agonopterix selini* (Hein.)**

Brž, Biržai, 1.VIII.1981, 1♂ (Kaz.)

***Exaeretia mongolicella* (Chr.)**

Kaunas, 19.VII.1937, 1 spec (A. Palionis)

***Deuteronia pudorina* (Wck.)**

Vrn, Marcinkonys, 13.VIII.1994, 1 spec. (Iv.)

GELECHIIDAE

***Paltodora cytisella* (Curt.)**

Trak, Kapčiškės, 24.VII.1994, 2 spec. (Iv.)

***Monochroa palustrella* (Dgl.)**

Mit, Suginčiai, 25.VII.1994, 1 spec. (Pac.)

***Parachronistis albiceps* (Z.)**

V, Sužionys, 29.VII1994, 1 spec; Kaunas, 7.VII1994, 1 spec. (Iv.)

***Gelechia jakovlevi* Krul**

Mlt, Suginčiai, 1.VII1993, 1 spec. (Pac.)

***Lita sexpunctella* (F.)**

Mlt, Sidabrinės, 12.V.1993, 1 spec, 9.VI.1994, 1 spec; Švnc, Zalavas, 29.V.1994, 1 spec. (Pac); Trg, Artoji, 26.V.1992, 3 spec. (V. Uselis), 3.VI.1994, 5 spec. (Iv.)

***Dichomeris marginella* (F.)**

Vrn, Marcinkonys, 13.VII1994, 1 spec. (Iv.)

***Ananarsia lineatella* (Z.)**

Kaunas, 7.VII1994, 1 spec. (Iv.)

YPONOMEUTIDAE

***Yponomeuta irrorella* (Hb.)**

Trg, Kontora, 19.VII1994, 2 spec. (D. Dapkus)

****Paraswammerdamia nebulella* (Gze.) (= *lurarea* Hw.)**

Vilnius, Jeruzalė, 22.VIII1994, 20♂, with pheromone traps (Moz.); Mlt, Kulionys, 16.VII1994, 1♀ (Pac.)

***Ypsolopha chazariella* (Mann)**

Kaunas, 16.VII1994, 1♀ (Iv.)

***Orthotaelia sparganella* (Thnbg.)**

Švnc, Abejučiai, 31.VIII1994, 1 spec. (Iv.); Mlt, Suginčiai, 15.VII1994, 1 spec. (Pac.)

TORTRICIDAE

***Trachysmia sodaliana* (Hw.)**

Kaunas, 20.VI.1992, 1 spec. (Iv.)

***Phalonidia curvistrigana* (Stt.)**

Vrn, Marcinkonys, 14.VII1994, 1♂ (Iv.)

***Eupoecilia ambiguella* (Hb.)**

Jrb, Pilis, 30.V.1992, 1 spec; Klp, Kliošiai, 18.V.1993, 1 spec. (Pac.)

****Cochylis palidana* (Z.)**

Lzd, Gegutė, 29.VI.1994, 1♂ (Pac.)

***Philedonides tunana* (Thnbg.)**

Trg, Viešvilė, 4.V.1992, 2 spec. (V. Uselis)

***Olindia schumacherana* (F.)**

Trg, Eičiai, 1.VII1994, 1 spec, Kastinkelis, 24.VI.1992, 1 spec. (V. Uselis)

***Doloploca punctulana* (Den. et Schiff.)**

Kdn, Apytalaukis, 20.V.1994, 2 spec. (Šv.)

***Acleris cristana* (Den. et Schiff.)**

Vilnius, 18.VII1990, 1♀ (Kaz), Kdn, Kėdainiai, 20.V.1994, 1 spec. (Šv.), Mlt, Suginčiai, 5.IV.1994, 1 spec, Utena, 18.VIII1992, 1 spec. (Pac.)

***Acleris maccana* Tr.**

Ign, Visaginas, 18.IV.1988, 1♀ (E. Titov)

****Acleris quercinana* (L.)**

Štu, Kintai, 20.VII1987, 1♀ (V. Uselis)

***Acleris umbrana* (Hb.)**

Brž, Biržai, 1.IX.1991, 1♀, Vilnius, 18.III.1990, 1♂ (Kaz.)

****Selenodes dalecarliana* (Gn.)**

Vilnius, Visoriai, 7.VII1993, 1♂, with pheromone traps (Moz.)

***Epinotia rubiginosana* (H.-S.)**

Lzd, Gerdašiai, 15.VI.1991, 1♂ (Kaz.)

***Eucosma metzneriana* (Tr.)**

Vrn, Marcinkonys, 14.VII1994, 1 spec. (Iv.)

***Pammene germana* (Hb.)**

Trak, Rykantai, 9.VI1994, 1♂ (E. Titov); Trg, Eičiai, 6.VI1992, 1 ♂ (V. Uselis).

***Pammene obscurana* (Stph.)**

Mlt, Suginėčiai, 9.VI1994, 1♀, Kulionys, 10.VII1994, 1 spec; Lzd, Gegutė, 3.VI1994, 1 spec. (Pac.)

***Cydia coniferana* (Sax.)**

Vrn, Marcinkonys, 14.VII1994, 1♀ (Iv.)

****Cydia illutana* (H.-S.)**

Trg, Eičiai, 2.VI1994, 1♂ (Iv.)

***Grapholita molesta* (Busck)**

Vilnius, Kirtimai, 1♂, Rasos, 13♂, Salininkai, 1♂, Šalčininkai, 1♂, Panevėžys, 7♂, Pn, Kaubariškis, 2♂, Ažuolas, 1♂, Šarmutas, 3♂, Ut, Radeikiai, 1♂, Klp, Švyturys, 1♂, Krtn, Kretinga, 1♂. All specimens were caught with pheromone traps in 1992 by various collectors. This material presented by Dr. S. Pakalniškis.

***Dichrorampha acuminatana* (Lien. et Z.)**

Trak, Rykantai, 30.VII1994, 2♀ (E. Titov)

PYRALIDAE

***Apomyelois bistriatella* (Hulst)**

Ukmergė, 26.VIII1978, 1♂ (Šv.)

***Eudonia laetella* (Z.)**

Trak, Tamošava, 25.VII1994, 1 spec. (Iv.)

***Microstega hyalinalis* (Hb.)**

V, Gėla, 15.VII-8.VIII1991, 4♀ (A. Maccika); Trak, Kapčiškės, 18.VII1994, 1♂ (Iv.)

HESPERIIDAE

***Carcharodus flocciferus* (Z.)**

Trak, Pamiškė, 29.VI1994, 1♀ (Iv.)

ARCTIIDAE

***Hyphoraia aulica* (L.)**

Trak, Madžiūnai, 4.VI1994, 1♂ (S. Pakalniškis)

NOCTUIDAE

***Noctua janthae* (Brkh.)**

Palanga, Šventoji, 3.VIII1993, 12♀ (Iv.)

***Heliophobus texturata* (Alph.)**

Vrn, Marcinkonys, 13.VII1994, 1 spec. (Iv.)

***Hadena luteago* (Dcn. et Schiff.)**

Vrn, Marcinkonys, 13.VII1994, 1 spec. (Iv.)

Currently 2245 species of *Lepidoptera* are known in Lithuania, including the new species in this report, then three other species in this publication as well as not included into "Check-list of Lithuanian *Lepidoptera*", 1993 by P. Ivinskis, such - *Monopsis fenestratella*, *Tinea columbariella*, *Nemopogon albipunctella*, *N. hungaricus*, *Elachista revinctella*, *Depressaria ultimella*, *Brachmia inornatella*, *Blastotere laevigatella*, *Pyrausta sanguinalis*, *Argironome laodice*, *Euphydryas maturna*, *Lycaena phlaeas*, *Eupithecia expallidata*, *E. extraversaria*, *Laelia coenosa*.

Institute of Ecology

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March 20, 1995

13 naujų ir 48 retos Lietuvos faunai drugių rūšys

Ivinskis P., Mozūraitis R.

Reziumė

Pateikiami duomenys apie 13 naujų ir 48 retas Lietuvos faunai drugių rūšis, priklausančias 12 šeimų. Kiekvienai rūšiai nurodoma radimo vieta, data, egzempliorių skaičius ir rinkikas. Šiuo metu, susumavus šiame

pranešime pateiktas rūšis, šiame leidinyje skelbiamas 3 naujas rūšis bei skelbtas anksčiau, bet neįtrauktas į P. Ivinskio "Check-list of Lithuanian *Lepidoptera*", 1993, Lietuvoje konstatuotos 2245 drugių rūšys.

13 новых и 48 редких для фауны Литвы видов чешуекрылых

Ивинскис П., Мозурайтис Р.

Резюме

Приводятся данные о 13 новых и 48 редких для фауны Литвы видах чешуекрылых, принадлежащих к 12 семействам.

Для каждого вида указаны место сбора и дата нахождения, количество собранных экземпляров, сборщик. В настоящее время в Литве учитывая в статье приводимые виды, еще 3 вида публикуемые в этом издании и виды опубликованные раньше, но не попавшие в сводку чешуекрылых (P. Ivinskis "Check-list of Lithuanian *Lepidoptera*, 1993), известно 2245 вида чешуекрылых.

New and rare for Lithuania insect species. Records and descriptions of 1994-1995

32 RARE AND 1 NEW FOR THE LITHUANIAN FAUNA LEPIDOPTERA SPECIES

Dapkus D.

The paper presents the data on 32 rare and 1 new *Lepidoptera* species found in Lithuania and belonging to 8 families, collected in 5 administrative districts of Lithuania: Anykščiai (v. Budriai), Marijampolė (v. Juodeliai), Švenčionys (v. Kochanovka, v. Sėtikė, v. Šiliniai, v. Sirvėtas), Tauragė (v. Eičiai, v. Laukėsa), Ukmergė (v. Pilionys, v. Radiškiai, v. Zujai, f. Dukstyna) as well as in town Utena. The whole material was collected by the author.

For each species information on its locality, finding date, number of collected specimens is provided.

Check-list of species

NYMPHALIDAE

Melitaea diamina Lang.

Švnč, Sėtikė, 28.VI.1994, 2♀.

Melitaea phoebe Den. et Schiff.

Švnč, Sėtikė, 28.VI.1994, 2 spec, Šiliniai, 2.VII.1994, 1 spec.

HESPERIIDAE

Carcharodus flocciferus Z.

Utena, 11.VIII.1992, 1 spec.

HEPIALIDAE

Korscheltellus fusconebulosa De Geer

Trg, Eičiai, 9-19.VII.1994, 16 spec.

COSSIDAE

Phragmataecia castaneae Hb.

Švnč, Kochanovka, 30.VI.1994, 1 spec, Sėtikė, 28.VI.1994, 1 spec.

Cossus terebra Den. et Schiff.

Trg, Eičiai, 15-28.VII.1994, 2 spec.

GEOMETRIDAE

Hemistola chrysoprasaria Esp.

Ukm, Dukstyna, 1.VIII.1992, 2 spec.

Cyclophora quercimontaria Bast.

Ukm, Dukstyna, 7.VIII.1991, 3 spec.

Perizoma bifasciata Hw.

Ukm, Radiškiai, 31.VII.1992, 1 spec.

Perizoma blandiata Den. et Schiff.

Ukm, Radiškiai, 31.VII.1992, 1 spec.

Perizoma sagittata F.

An, Budriai, 22.VII.1992, 1 spec.; Švnč, Kochanovka, 30.VI.1994, 1 spec.

Perizoma taeniata Stph.

An, Budriai, 22.VII.1992, 1 spec.

Eupithecia egenaria H.-S.

Ukm, Zujai, 30.VII.1992, 1 spec.; Mrj, Juodčiai, 21.VI.1992, 1 spec.

Eupithecia inturbata Hb.

Ukm, Radiškiai, 31.VII.1992, 1 spec.

Eupithecia tenuiata Hb.

Ukm, Pilionys, 1.VIII.1991, 1 spec.; Zujai, 30.VII.1992, 1 spec.

Eupithecia extraversaria H.-S.

Švnč, Šiliniai, 2.VIII.1994, 1 spec.

Chloroclystis chloerata Mab.

Ukm, Pilionys, 28.VI.1992, 2 spec.

Scopula corrivalaria Kv.

Ukm, Pilionys, 28.VII.1992, 2 spec.

Lomographa cararia Hb.

Trg, Eičiai, 14.VII.1994, 1 spec.

NOTODONTIDAE

Ptilodontella cucullina Den. et Schiff.

Švnč, Kochanovka, 30.VI.1994, 1 spec.

NOCTUIDAE

Hadena albimacula Brkh.

Švnč, Šiliniai, 2.VII.1994, 1 spec.

Paradiarsia sobrina Dup.

Švnč, Sirvėtas, 5.VIII.1994, 2 spec.

Mythimna obsoleta Hb.

Ukm, Pilionys, 28.VI.1992, 1 spec.

Simyra albovenosa Goeze

Švnč, Setikė, 3.VIII.1994, 1 spec.

Apamea unanimitis Hb.

Švnč, Kochanovka, 30.VI.1994, 1 spec.

Hydraecia ultima Holst.

Ukm, Dukstyna, 7.VIII.1991, 1 spec.; Švnč, Šiliniai, 2.VIII.1994, 1 spec.

Archanara geminipuncta Hw.

Ukm, Dukstyna, 30.VIII.1992, 2 spec.; Radiškiai, 31.VII.1992, 1 spec.

Arenostola phragmitidis Hb.

Švnč, Šiliniai, 2.VIII.1994, 1 spec.; Setikė, 3.VIII.1994, 2 spec.

Mesapamea secalella Remm.

Švnč, Šiliniai, 2.VIII.1994, 1 spec.; Trg, Eičiai, 26-28.VII.1994, 3 spec.

Autographa excelsa Kv.

Švnc, Šiliniai, 2.VIII1994, 1 spec, Sėtikė, 3.VIII1994, 2 spec.

Mythimna straminea Tr.

Trg, Laukėsa, 18.VIII1994, 1 spec.

Hada proxima Hb.

Trg, Eičiai, 21.VII1994, 1 spec.

ARCTIIDAE

Pelosia obtusa H.-S.

Trg, Eičiai, 15.VII1994, 1 spec.

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32 retos ir 1 nauja Lietuvos faunai drugių rūšys

Dapkus D.

Reziumė

Pateikiami duomenys apie 32 retas ir 1 naują (*Melitaea diamina* Lang) Lietuvos faunai drugių rūšis, priklausančias 8 šeimoms. Kiekvienai rūšiai nurodoma radimo vieta, data, egzempliorių skaičius.

32 редких и 1 новый для фауны Литвы видов чешуекрылых

Дапкус Д.

Резюме

Приводятся данные о 32 редких и 1 новом (*Melitaea diamina* Lang) для фауны Литвы видах чешуекрылых, принадлежащих к 8 семействам. Для каждого вида указаны место сбора и дата нахождения, количество собранных экземпляров.

New and rare for Lithuania insect species. Records and descriptions of 1994-1995

58 RARE FOR LITHUANIAN FAUNA LEPIDOPTERA SPECIES, FOUND IN 1991-1994

Švitra G.

The material was collected by the author and the collectors J. Auglys, E. Kerbelis, A. Statkaitis and V. Virbalas in 16 administrative districts of Lithuania: Akmenė (NatR Kamanos), Joniškis (f. Žagarės miškas), Jonava, (v. Pasraučiai), Kėdainiai (1 km SW v. Pajjeslys, v. Angiriai, f. Apytalaukio miškas, v. Aristava, v. Aukupėnai, v. Bakainiai, f. Balsių miškas, v. Caisai, f. Gelnų miškas, f. Giraitė, v. Gožiai, f. Ilgatrakio miškas, f. Jovainių miškas, f. Kalnaberžės miškas, v. Kapliai, f. Labūnavos miškas, f. Lepšynė, f. Margių miškas, v. Milžemis, v. Paaluonė, v. Pašilėliai, f. Pašilių miškas, f. Pauslajo miškas, f. Pernaravos miškas, f. Pušynė, f. Runcikių miškas, f. Šlapaberžės miškas, f. Zemiškio miškas, f. Žeimelių miškas), Klaipėda (f. Giruliai, v. Kiškėnai, bog Svencelės pelkė), Kretinga (v. Karklė, v. Sauseriai), Molėtai (v. Pikčiūnai), Panevėžys (f. Gringalių miškas, f. Pašilių miškas), Radviliškis (pr. Praviršulis), Rokiškis (v. Anapolis, f. Dusetų giria, v. Minkūnai), Švenčionys (v. Staškinė), Tauragė (1 km S lake Glitis, 15 km E lake Glitis, v. Eičiai, lake Glitis, tts. Laukėsa, f. Sakalinė, f. Smaladaržio miškas, NatR. Viešvilė), Ukmergė (f. Dukstyna, v. Jonuška, v. Nuotekai, f. Pivonijos šilas, v. Radiškiai, v. Vaizgėliškis, f. Viliukai), Vilkauskis (v. Pavištytis), Varėna (v. Maksimonys, tsh. Merkinė, v. Traktiškiai), Zarasai (tsh. Antazavė, v. Marimantas, v. Pasartė, lake Zalvė) and in the town of Ukmergė.

For each species information on its locality, finding date, the number of collected specimens and collector is provided. The material is preserved in the private collection of the author.

Check-list of species

HEPIALIDAE

Hepialus fusconebulosa De Geer

Trg, Eičiai, 10.VIII1994, 7 spec, 9.VII1994, 4 spec.

COSSIDAE

Phragmataecia castaneae Hb.

Rk, Minkūnai, 28.VI1994, 2 spec.

***Zeuzera pyrina* L.**

Kdn, Lančiūnavos miškas, 15.VII.1994, 1 spec, Lepšynės miškas, 16.VII.1994, 1 spec.

LIMACODIDAE

***Heterogenea asella* D. S.**

Kdn, Giraitė, 2.VII.1994, 2 spec.

HESPERIIDAE

***Carcharodus flocciferus* Zell.**

Kdn, Ilgatrakio miškas, 15.VII.1994, 3 spec, Josvainių miškas, 3.VII.1994, 1 spec, Kalnaberžės miškas, 2.VII.1994, 1 spec, Lepšynės miškas, 16.VII.1994, 1 spec, Pernaravos miškas, 4.VII.1994, 1 spec, Runcikių miškas, 19.VII.1994, 1 spec.

PAPILIONIDAE

***Parnassius mnemosyne* L.**

Kdn, 1 km SW Pajieslys, 5.VII.1994, 1 spec, Angiriai, 5.VI.1994, 20 spec, 3.VII.1994, 2 spec, Gožiai, 3.VII.1994, 1 spec.

NYMPHALIDAE

***Brenthis daphne* D. S.**

Trg 1 km S lake Glitis, 9.VII.1994, 2 spec, 15 km E lake Glitis, 9.VII.1994, 4 spec, Laukėsa, 9.VII.1994, 1 spec.

***Melitaea phoebe* D.S.**

Mit, Pikčiūnai, 12.VI.1993, 3 spec; Švnič, Staškinė, 2.VII.1993, 1 spec; Ukm, Jonuškaiai, 8.VI.1993, 1 spec, Radiškiai, 27.VI.1994, 3 spec; Zr, Marimantas, 30.VI.1994, 4 spec.

SATYRIDAE

***Coenonympha hero* L.**

Akm, Kamanos, 25.VI.1994, 3 spec; Jnš, Žagarės miškas, 26.VI.1994, some spec; Jon, Pasraučiai, 12.VI.1994, some spec; Kdn, 1 km SW Pajieslys, 5.VI.1994, some spec, Aukupėnai, 11.VI.1994, many spec, Josvainių miškas, 3.VII.1994, 2 spec, Pernaravos miškas, 4.VII.1994, 1 spec, Žeimelių miškas, 11.VI.1994, some spec; Rd, Praviršulio pelkė, 4.VI.1994, 1 spec; Rk, Dusėtų giria, 28.VI.1994, some spec; Zr, Marimantas, 30.VI.1994, 3 spec.

***Pararge aegeria* L.**

Kdn, Gaisai, 22.V.1994, 1 spec, Ilgatrakio miškas, 21.V.1994, 1 spec, Pašilėliai, 22.V.1994, 10 spec, Pauslajo miškas, 20.VII.1994, 1 spec, Zembiškio miškas, 3.VI.1994, 2 spec, Žeimelių miškas, 11.VI.1994, 4 spec; Pn, Gringalių miškas, 9.VI.1994, 1 spec (J. Auglys), Pašilių miškas, 29-30.V.1994, 2 spec (J. Auglys); Jnš, Žagarės miškas, 26.VI.1994, some spec; Jon, Pasraučiai, 12.VI.1994, 1 spec.

LYCAENIDAE

***Satyrium w-album* Kn.**

Kdn, Gelnų miškas, 15.VII.1994, 1 spec, Giraitė, 8.VIII.1994, 1 spec, Josvainių miškas, 3.VII.1994, 1 spec, Pauslajo miškas, 20.VII.1994, 1 spec; Krtm, Sauscriai, 25.VII.1993, 6 spec; Ukm, Dukstyna, 3.VIII.1994, 1 spec.

***Satyrium spini* D.S.**

Kdn, Bakainiai, 21.VII.1994, 2 spec; Vrn, Maksimonys, 11.VII.1993, 5 spec, Trakiškiai, 11.VII.1993, 1 spec.

***Maculinea teleius* Brgrstr.**

Kdn, Josvainių miškas, 3.VII.1994, 16 spec, Pašilėliai, 5.VII.1994, 2 spec, Pernaravos miškas, 4.VII.1994, 20 spec.

DREPANIDAE

***Sabra harpagula* Esp.**

Zr, Anapolis, 27.VI.1994, 1 spec; Kdn, Žeimelių miškas, 10.VI.1994, 1 spec.

THYATIRIDAE

***Polyplocia ridens* L.**

Kdn, Josvainių miškas, 6.V.1994, 6 spec, Lančiūnavos miškas, 24.V.1994, 1 spec, Žeimelių miškas, 23.IV.1994, 2 spec; Ukm, Pivonijos šilas, 10.V.1994, 15 spec, Viliukai, 26.IV.1994, 1 spec, 30.IV.1994, 1 spec.

GEOMETRIDAE

***Archiearis notha* Hb.**

Kdn, Labūnavos miškas, 24.IV.1994, some spec, Margių miškas, 23.IV.1994, 3 spec, Pušynė, 9.IV.1994, some spec, Zembiškio miškas, 9.IV.1994, some spec, Žeimelių miškas, 23.IV.1994, some spec; Ukm, Dukstyna, 17.IV.1994, 1 spec.

***Scopula virgulata* D.S.**

Trg, Glitis, 9.VII.1994, 1 spec.

Lampropteryx otregiata Metc.

Kdn, Apytalaukio miškas, 20.V.1994, 1 spec.

Triphosa dubitata L.

Ukm, Varkališkiai, 26.VIII.1994, 1 spec. (E. Kerbelis), Ukmergė, 6.VIII.1994, 1 spec. (V. Virbalas)

Epirrita christyi Prt.

Kdn, Giraitė, 16.IX.1994, 2 spec; Ukm, Nuotekai, 30.IX.1991, 2 spec, Pivonijos šilas, 9.X.1993, 2 spec, Vaizgeliškis, 23.IX.1993, 7 spec, Viliukai, 13.IX.1994, 3 spec.

Perizoma taeniata Stph.

Kdn, Labūnavos miškas, 14.VII.1994, 1 spec; Zr, Pasartė, 23.VII.1994, 2 spec.

Eupithecia tenuiata Hb.

Klp, Giruliai, 29.VII.1993, 8 spec, Kiškėnai, 2.VIII.1993, 2 spec; Krtm, Karklė, 28.VII.1993, 1 spec; Ukm, Viliukai, 29.VII.1994, 5 spec.

Eupithecia inturbata Hb.

Ukm, Dukstyna, 16.VIII.1993, 5 spec, Pivonijos šilas, 3.VIII.1994, 1 spec, Viliukai, 29.VII.1994, 1 spec.

Eupithecia valerianata Hb.

Kdn, Angiriai, 4.VII.1994, 3 spec, Labūnavos miškas, 14.VII.1994, 1 spec; Zr, Anapolis, 27.VI.1994, 1 spec.

Eupithecia egenaria H-S.

Ukm, Vaizgeliškis, 31.V.1993, 1 spec.

Eupithecia actaeata Walderd.

Kdn, Giraitė, 2.VII.1994, 1 spec; Ukm, Pivonijos šilas, 10.V.1994, 1 spec, 25.V.1994, 6 spec, 9.VI.1994, 1 spec; Zr, Antazavė, 30.V.1994, 1 spec.

LASIOCAMPIDAE

Trichiura crataegi L.

Kdn, Giraitė, 8.VIII.1994, 1 spec, Paaluonė, 9.VIII.1994, 1 spec.

Phyllodesma japonica Leech

Kdn, Apytalaukio miškas, 20.V.1994, 2 spec.

SATURNIIDAE

Aglia tau L.

Kdn, Šlapaberžės miškas, 7.V.1994, 1 spec.

Saturnia pavonia L.

Ukm, Viliukai, 30.IV.1994, 1 spec.

NOTODONTIDAE

Harpya milhauseri F.

Ukm, Pivonijos šilas, 25.V.1994, 1 spec, 9.VI.1994, 1 spec.

Odontosia sieversii Men.

Kdn, Zembiškio miškas, no date, 1 spec, Žeimelių miškas, 23.IV.1994, 1 spec; Pn, Pašilių miškas, 22.IV.1994, 4 spec; Ukm, Pivonijos šilas, 12.IV.1994, 10 spec, Viliukai, 11.IV.1994, 5 spec, 26.IV.1994, 2 spec.

Clostera anachoreta F.

Kdn, Lepšynės miškas, 12.VIII.1994, 2 spec, Pernaravos miškas, 3.VII.1994, 2 spec.

Clostera anastomosis L.

Kdn, Lepšynės miškas, 16.VII.1994, 1 spec; Zr, Pasartė, 23.VII.1994, 1 spec; Ukm, Pivonijos šilas, 10.V.1994, 1 spec.

LYMANTRIIDAE

Laelia coenosa Hb.

Kdn, Runcikių miškas, 19.VII.1994, 1 larva (ex pupae 2.VIII.1994)

NOLIDAE

Meganola albula D.S.

Kdn, Lepšynės miškas, 16.VII.1994, 1 spec.

NOCTUIDAE

Catocala promissa D.S.

Kdn, Giraitė, 8.VIII.1994, 1 spec, Paaluonė, 9.VIII.1994, 1 spec.

***Catocala sponsa* L.**

Kdn, Lepšynės miškas, 5.VIII1994, 1 spec. (A. Statkaitis), Paaluonė, 9.VIII1994, 1 spec.

***Euchalcia modesta* Hb.**

Kdn, Labūnavos miškas, 14.VII1994, 2 spec, Milžemis, 15.VII1994, 1 spec; Ukm, Pivonijos šilas, 12.VII1994, 1 spec.

***Ipimorpha contusa* Frr.**

Kdn, Labūnavos miškas, 14.VII1994, 3 spec, Runeikių miškas, 19.VII1994, 1 spec, Žeimelių miškas, 18.VII1994, 2 spec.

***Cosmia a f finis* L.**

Kdn, Lepšynės miškas, 12.VIII1994, 1 spec; Ukm, Dukstyna, 16.VIII1993, 1 spec.

***Oligia versicolor* Bkh.**

Vlkv, Pavištytis, 13.VII1992, 2 spec.

***Oligia fasciuncula* Haw.**

Trg, Eičiai, 10.VII1994, 1 spec; Zr, Anapolis, 27.VI1994, 1 spec.

***Mesapamea secalella* Remm.**

Klp, Giruliai, 29.VII1993, 2 spec; Ukm, Viliukai, 29.VII1994, 1 spec.; Ukmergė, 4.VII1993, 2 spec.

***Hydraecia ultima* Holst.**

Ukm, Viliukai, 29.VII1994, 3 spec.

***Phragmitiphila nexa* Hb.**

Kdn, Giraitė, 16.IX1994, 2 spec.

***Archana geminipuncta* Haw.**

Klp, Svencelės pelkė, 31.VII1993, 3 spec.

***Archana dissoluta* Tr.**

Kdn, Paaluonė, 9.VIII1994, 1 spec.

***Archana sparganii* Esp.**

Kdn, Paaluonė, 9.VIII1994, 2 spec; Ukm, Dukstyna, 16.VIII1993, 1 spec.

***Arenostola phragmitidis* Hb.**

Krtm, Karklė, 28.VII1993, 1 spec.

***Chilodes maritimus* Tausch.**

Kdn, Lepšynės miškas, 16.VII1994, 1 spec; Rk, Minkūnai, 28.VI1994, 1 spec, 26.VII1994, 1 spec.

***Cucullia chamomillae* D.S.**

Kdn, Josvainių miškas, 6.V1994, 1 spec, Zembiškio miškas, 2.VI1994, 1 spec.

***Cucullia asteris* D.S.**

Kdn, Milžemis, 15.VII1994, 1 spec.

***Xanthia citrigo* L.**

Kdn, Balsių miškas, 17.IX1994, 1 spec; Ukm, Viliukai, 13.IX1994, 1 spec.

***Orthosia miniosa* D.S.**

Kdn, Zembiškio miškas, no date, 1 spec; Ukm, Viliukai, 17.V1994, 1 spec.

***Mythimna straminea* Tr.**

Rk, Minkūnai, 26.VII1994, 3 spec; Trg, Eičiai, 10.VII1994, 1 spec.

***Senta flammea* Curt.**

Kdn, Zembiškio miškas, 2.VI1994, 1 spec.

***Noctua chardinyi* Bsd.**

Kdn, Gelnų miškas, 15.VII1994, 1 spec, Lepšynės miškas, 16.VII1994, 10 spec, Pernaravos miškas, 4.VII1994, 1 spec.

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58 retos Lietuvos faunai drugių rūšys, rastos 1991-1994 m.

Švitra G.

Reziumė

Pateikiami duomenys apie 16-koje Lietuvos administracinių rajonų rastas 58 retas Lietuvos faunai drugių rūšis, priklausančias 17 šeimų.

Kiekvienai rūšiai nurodoma radimo vieta, data, egzempliorių skaičius ir rinkikais.

58 редких для фауны Литвы видов чешуекрылых (*Lepidoptera*), обнаруженных в 1991-1994 гг.

Швitra Г.

Резюме

Приводятся данные о 58 редких для Литвы видов чешуекрылых, принадлежащих к 17 семействам.

Для каждого вида указаны место и дата нахождения, количество экземпляров, сборщик.

New and rare for Lithuania insect species. Records and descriptions of 1994-1995

NEW LIMONIIDAE (DIPTERA) FROM KAIŠIADORYS DISTRICT

Dobrovolskytė V., Podėnas S.

Insects were collected from 1992 to 1994 by S. Podėnas (S.P.) and V. Dobrovolskytė (V.D.) in Kaišiadorys district: Laukagalys environs, Antakalnis environs (Pentiškės forest), Būda forest (10 km W Kaišiadorys), Kišiadorys environs (Girėlė forest). Among the found material 1 species of subfamily *Hexatomiinae* and 3 of *Eriopterinae* were recorded as new to Lithuanian fauna (Podėnas, 1991).

Insects have been determined by the authors. The material is preserved in the Zoological Department of Vilnius University.

Systematical arrangement is given according to E. N. Savchenko, P. Oosterbroek and J. Stary (1991).

Check-list of species

Hexatomiinae

***Pilaria scutellata* (Staeger, 1840)**

Girėlė f., 23.VIII.1994, 1♂ (V.D.), artificial ponds with swampy shores, covered with birch, ash, limetree and willow.

Eriopterinae

***Erioptera (Mesocyphona) fossarum* (Loew, 1873)**

Pentiškės f., 10.VIII.1993, 1♂ (V.D.), *Fraxinetum urticosum*.

***Ellipteroides (Protogonomyia) alboscuteatus* (von Roser, 1840)**

Laukagalys env., 3.VII.1992, 3♂12♀ (SP.), *Alnetum filipendulosum*.

***Gonomyia (Gonomyia) bifida* Tonnoir, 1920**

Būda f., 2.X.1994, 1♂ (V.D.), mixed groves.

Department of Zoology of
Vilnius University

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November 10, 1994

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Naujos *Limoniidae* (*Diptera*) rūšys iš Kaišiadorių rajono

Dobrovolskytė V., Podėnas S.

Reziumė

Iš 1992-1994 m. surinktos medžiagos pateikiami duomenys apie 4 naujas Lietuvai *Limoniidae* rūšis, priklausančias *Hexatominae* (1 rūšis) ir *Eriopterinae* (3 rūšys) pošcimiams.

Nurodoma kiekvienos rūšies radimo vieta ir laikas, egzempliorių skaičius, lytis ir biotopas.

Новые лимониды (*Diptera*) из Кайшыядорского района

Добровольските В., Поденас С.

Резюме

На основании материала, собранного в 1992-1994 гг., выявлено 4 новых для Литвы видов семейства *Limoniidae*, принадлежащих к подсемействам *Hexatominae* (1 вид) и *Eriopterinae* (3 вида). Для каждого вида указаны место и время сбора, количество экземпляров, пол и биотоп.

New and rare for Lithuania insect species. Records and descriptions of 1994-1995

9 SYRPHIDAE (*DIPTERA*) SPECIES FOUND IN LITHUANIA FOR THE FIRST TIME

Musteikis J., Pakalniškis S.

The material was collected between 1969 and 1994 in 7 administrative districts of Lithuania: Kretinga (v. Prystovai), Radviliškis (pr. Praviršulis), Švenčionys (v. Prūdiškė), Tauragė (v. Eičiai), Trakai (v. Varliškės), Varėna (v. Musteika), Vilnius (v. Dūkštos) and in town of Palanga.

Check-list of species

***Dasysyrphus arcuatus* (Fallén)**

Rd, Praviršulis, 7.VII.1969, 1♀, leg. A. Jakimavičius, det. N. A. Violovitsh.

***Chrysotoxum verralli* Collin**

Vrn, Musteika, 29.V.1975, 1♂, leg. P. Ivinskis.

***Orthonevra elegans* (Meigen)**

Švnč, Prūdiškė, 6.VII.1983, 1♀, leg. S. Pakalniškis, det. N. A. Violovitsh.

***Cheilosia alpina* (Zetterstedt)**

V, Dūkštos, 30.V.1992, 1♀, leg. J. Musteikis.

***Cheilosia cynocephala* Loew**

Rd, Praviršulis, 28.VII.1969, 1♀, leg. A. Jakimavičius, det. A. V. Barkalov.

***Cheilosia frontalis* Loew**

Krtn, Prystovai, 13.VIII.1993, 1♀, leg. S. Pakalniškis; Trak, Varliškės, 3.VII.1991, 1♂, leg. J. Musteikis.

Hammerschmidtia ferruginea (Fallén)

Trg. Eičiai, 3.VII.1994, 1♀ 1♂, leg. S. Pakalniškis.

Tropidia scita (Harris)

Palanga, 18.VI.1992, 1♂, leg. S. Pakalniškis.

Xylota femorata (Linnaeus)

Trg. Eičiai, 3.VI.1994, 1♀, leg. S. Pakalniškis.

Lithuanian Youth and
Children Centre

Institute of Ecology

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9 žiedmusių (*Diptera, Syrphidae*) rūšys, aptiktos Lietuvoje pirmą kartą

Musteikis J., Pakalniškis S.

Reziumė

Pateikiami duomenys apie pirmą kartą Lietuvoje rastų žiedmusių (*Diptera, Syrphidae*) 9 rūšių radimo vietas, datas ir egzempliorių skaičių.

9 видов сирфид (*Diptera*), впервые обнаруженных в Литве

Мустейкис Ю., Пакальнишкис С.

Резюме

Приводятся данные о местах, датах сбора и количестве экземпляров впервые в Литве обнаруженных 9 видов сирфид.

New and rare for Lithuania insect species. Records and descriptions of 1994-1995

ADDITION TO THE FAUNA LIST OF LITHUANIAN AGROMYZIDAE (DIPTERA)

Pakalniškis S.

The material was collected by E. Budrys, A. Jakimavičius, A. Stanionytė and by author between 1974 and 1994 in 18 administrative districts of Lithuania: Akmenė (t. Akmenė), Anykščiai (v. Varnupys), Jurbarkas (v. Kalviai), Kaišiadorys (v. Bačkonys, t.t.s. Žičmariai), Kaunas (v. Pavejonis, v. Ringovė), Kelmė (v. Pažerys, v. Šimša, v. Užpelkiai), Klaipėda (v. Karklė, v. Kukuliškiai), Kretinga (v. Kalnalis, v. Prystovai), Panevėžys (v. Daukšėnai, fms. Ropidai, v. Stumbriškis), Plungė (v. Bulikai, v. Kapsūdžiai, v. Medsėdžiai), Raseiniai (t. Ariogala), Skuodas (v. Luknės, v. Šaukliai, v. Šilalė), Širvintos (v. Pajuodžiai), Švenčionys (v. Beržuvis, v. Gražuliai, v. Luknai), Tauragė (v. Eičiai), Trakai (v. Kapčiškės, v. Strėva, v. Tolkiškės), Ukmergė (v. Zužai), Varėna (tsh. Merkinė, v. Viečiūnai, v. Utiėka) as well as in town of Palanga and Vilnius city (suburbs: Jeruzalė, Verkiai, Visoriai) and is preserved in the Institute of Ecology. Also here are presented the data on two species found in Braslav district of Byelorussia (v. Myalka, v. Ritshany).

Check-list of species

Cerodontha (Dizygomyza) suturalis (Hendel, 1931)

Akm. Akmenė, 11.VII.1984, 1♀; Trg. Eičiai, 30.VIII.1994, 1♂.

Liriomyza amoena (Meigen, 1830)

Klp. Kukuliškiai, 16.VI.1993, 2♀; Palanga, 4.VI.1991, 1♀.

Liriomyza hampsteadensis Spencer, 1971

Trak. Strėva, 19.VII.1993, 1♂, Tolkiškės, 19.VII.1993, 1♀ 2♂.

Liriomyza orbona (Meigen, 1830)

Jrb. Kalviai, 28.V.1992, 2♀; Kn. Ringovė, 7.VI.1990, 1♀, 29.V.1992, 1♀; Rs. Ariogala, 27.V.1992, 1♀.

***Phytoliriomyza perpusilla* (Meigen, 1830)**

Klp, Karklė, 25.VII.1994, 1♂. Also found in Byelorussia (Myalka, 21.IX.1982, 1♀)

***Aulagromyza luteoscutellata* (de Meijere, 1924)**

Trak, Kapčiškės, 9.VI.1994, 1♂.

***Napomyza achilleanella* von Tschirnhaus, 1992**

Krtn, Kalnalis, 9.VI.1989, 4♂, Prystovai, 13.VIII.1993, 1♂, Pn, Daukšėnai, 14.VI.1990, 2♂, Ropidai, 13.VI.1990, 2♂, Skd, Šilalė, 27.VII.1994, 1♂. Also found by Dr. E. Budrys in Byelorussia (Rits hany, 24.V.1989, 1♂).

The first record after the description.

***Napomyza annulipes* (Meigen, 1830)**

Kš, Bačkonys, 19.V.1988, 1♀.

***Napomyza cichorii* Spencer, 1966**

Jrb, Kalviai, 28.V.1992, 2♂; Klm, Pažerys, 19.V.1990, 2♀ 1♂ (leg. A. Stanionytė), Šimša, 18.V.1990, 1♀, 27.V.1992, 7♀ 24♂, Užpelkiai, 18-19.V.1990, 2♂ (leg. A. Stanionytė); Rs, Ariogala, 27.V.1992, 1♂; Ukm, Zujai, 30.V.1991, 1♀.

***Napomyza scrophulariae* Spencer, 1966**

Kš (no exact locality on label), 15.VIII.1974, 1♂ (leg. A. Jakimavičius). Also found in the Kaliningrad Region of Russia (Pakalniškis, 1990a).

***Phytomyza anemonanthae* Spencer, 1969**

Švnč, Beržuvis, 22.VI.1994, the puparia in the mines on *Anemone silvestris*, imago 1-5.VII, 4♀ 6♂.

***Phytomyza clematidis* Kaltenbach, 1859**

Švnč, Gražuliai, 22.VI.1994, puparium in mine on *Ranunculus lingua*, imago 4.VII, 1♂; Trg, Eičiai, 3.VI.1994, 1♂, 30.VII.1994, several puparia in *R. lingua*; Vilnius, Visoriai, 13.VIII.1994, puparium with the dead ♂ inside the pedicle of *R. acris*.

In more cases in both find-places on *R. lingua* were observed the narrow leaf-mines (Fig. 1) to the midrib extending and hid there, the development of larva and the pupation occurs in a next (or second next) lower bud (or jong sprout). In one case the larva has not found a leaf-midrib and has formed a broader leaf-mine and pupated at its end. This case seems inpeculiar being. In two more cases were the apical blossom-

sprouts and in one case an axilar blossom-sprout wounded without any primary leaf-mines visible. One more larva has pupated in the stem-hollow of *R. acris* below the pedicle after the feeding in it. Similarly fed larvae of *P. nigritula* Ztt (but they leave the pedicle shortly after, go down and start mining in the stem-hollow or bore in the joint) and probably *P. albipennis* Fl. and *P. evanescens* Hd. in *Ranunculus* spp.

The brownish puparium of *P. clematidis* carries the separated posterior spiracles with 10 bulbs forming an incomplete circle. The distiphallus in both males in ventral view is exactly so as in Fig. 85 in (Spencer, 1990), but the side view of aedeagus may be compared with both Fig. 84 and Fig. 131 in (Spencer, 1990) depending on the angle of looking. So the discussed (Spencer, 1990) sinonimization of *Napomyza ranunculella* Spencer, 1974 with *P. clematidis* seems came nearer to solution.

***Phytomyza hendeli* Hering, 1923**

Pln, Kapsūdžiai, 18.VII.1993, larva in mine on *Anemone nemorosa*, imago 30.XII, 1♀.

***Phytomyza kyffhusana* Hering, 1928**

Klm, Šimša, 24.VII.1994, larva in mine on *Inula britannica*, imago 9.VIII, 1♂.

***Phytomyza mylini* Hering, 1957**

An, Varnupys, 8.VI.1993, larva in mine on *Carum carvi*, imago 16.VI, 1♂; Pn, Stumbriškis, 14.VI.1990, larvae on *Selinum carvifolia*, imago 28.VI-3.VII, 3♀ 1♂; Skd, Luknės, 10.VII.1986, larva on *S. carvifolia*, imago 25.VII, 1♂; Švnč, Lukna, 17.VIII.1990, larvae on *S. carvifolia*, imago 2-9.VIII, 2♀ 8♂; Vrn, Merkinė, 18.VI.1986, 1♀, Viečiūnai, 5.VIII.1986, 1♀.

***Phytomyza pulsatillae* Hering, 1924**

Pln, Bulikai, 29.VII.1994 1♀; Šr, Pajuodžiai, 7.VI.1994, larva in mine on *Pulsatilla patens*, imago 30.VI, 1♂.

***Phytomyza selini* Hering, 1922**

Klm, Užpelkiai, 19.V.1990, 1♀; Kn, Pavejuonis, 9.VI.1990, 1♀ 3♂; Skd, Šaukliai, 12.VIII.1993, 1♀ 1♂, Šilalė, 11.VIII.1993, 2♀ 3♂; Vilnius, Paneriai, 16.VIII.1987, larvae in mines on *Selinum carvifolia*, imago VII.1987, 2♀.

***Agromyza polygoni* Hering, 1941**

Skd, Šilalė, 21.VI.1993, larva in mine on *Bistorta major*, imago 4.III.1994, 1♂.

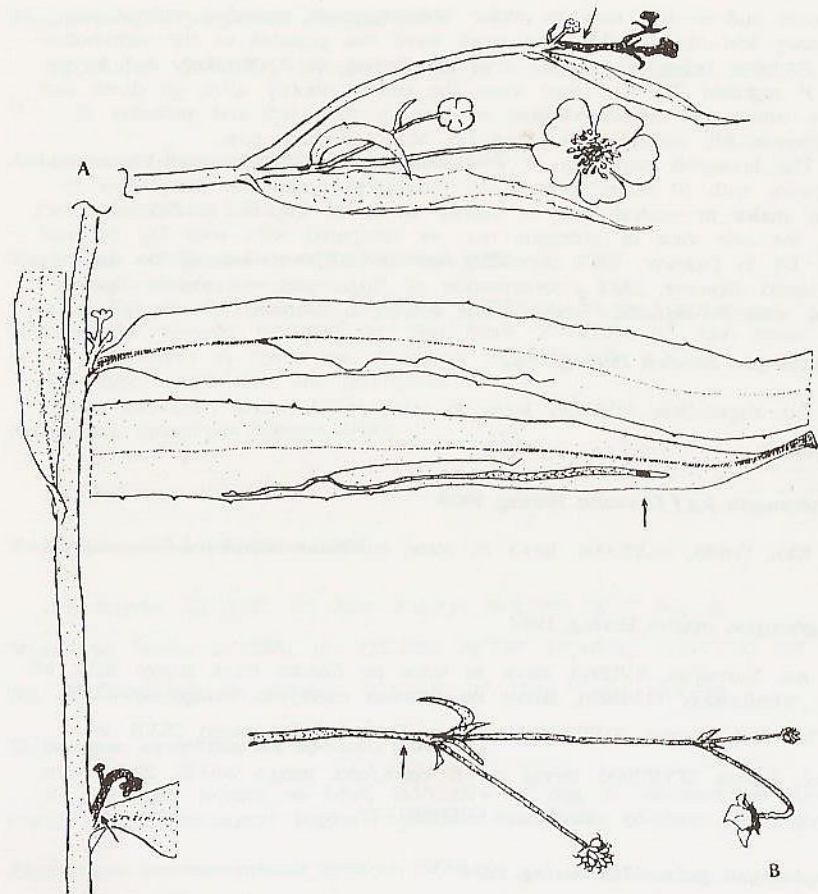


Figure 1. The illustration of feeding by *Phytomyza clematidis* in *Ranunculus lingua* (A) and *R. acris* (B). The loci of internal pupation are indicated by arrows.

***Agromyza pseudoreptans* Nowakowski, 1967**

Trak, Kapčiškės, 9.VI.1994, 1♂; Vrn, Merkinė, 14.VIII.1988, 1♀. Utiėka, 16.VIII.1991, 1♂; Vilnius, Verkiai, 22.VIII.1988, 1♀. Also found in the Kaliningrad Region of Russia (Pakalniškis, 1990a).

***Agromyza woerzi* Groschke, 1957**

Kš, Žiežmariai, 17.VI.1986, 1♂; Pln, Medsėdziai, 28.VII.1994, 1♀. Two more specimens were reported as *A. lyneborgi* (misidentification) earlier (Pakalniškis, 1990b, 1991), thus *A. woerzi* was found in Latvia too.

Negations

***Ophiomyia gnaphalii* Hg.**

2♂ reported from Lithuania (Pakalniškis, 1991) each represent *O. spenceri* Černý and *O. melandryi* Meij. The species is not found in Lithuania.

***Agromyza lyneborgi* Spenc.**

The reports on the finding of this species in Lithuania (Pakalniškis, 1991) and Latvia (Pakalniškis, 1990b) are wrong (look above: *A. woerzi*).

Summarizing the 20 species of *Agromyzidae* are new for Lithuania. *Ophiomyia gnaphalii* and *Agromyza lyneborgi* are struck off the list of Lithuanian fauna.

Institute of Ecology

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Lietuvos minamusių (*Diptera, Agromyzidae*) faunos sąrašo papildymas

Pakalniškis S.

Reziumė

Apibūdinant medžiagą, surinktą autoriaus ir kitų rinkikų 1974-1994 m. įvairiuose Lietuvos rajonuose, išaiškinta 20 minamusių rūšių, naujų šalies faunai. Rūšys *Ophiomyia gnaphalii* ir *Agromyza lyneborgi* išbraukiamos iš faunos sąrašo.

Дополнение к списку фауны минерирующих мушек (*Diptera, Agromyzidae*) Литвы

Пакальнишкис С.

Резюме

В заметке приведены данные о 20 видах минерирующих мушек, новых для фауны Литвы. Виды *Ophiomyia gnaphalii* и *Agromyza lyneborgi* удалены из списка фауны.

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