

CARTOGRAPHIE DES INVERTEBRES EUROPEENS

Contribution belge subventionnée par le
FONDS de la RECHERCHE SCIENTIFIQUE FONDAMENTALE COLLECTIVE
(Ministères de l'Education Nationale)

ATLAS PROVISoire
des
INSECTES DE BELGIQUE

(et des régions limitrophes)

édité par

Jean LECLERCQ, Charles GASPAR
et Charles VERSTRAETEN

CARTES 1646 - 1800

Collaboration scientifique :

Jean LECLERCQ, LIONGO LI ENKULU, Pierre MATHOT,
Alain PAULY, Pierre RASMONT, Camille THIRION

Collaboration technique :

Geneviève LAURENT, Isabelle MOULAERT, Christian WONVILLE

FACULTE des SCIENCES AGRONOMIQUES de l'ETAT
ZOOLOGIE GENERALE et FAUNISTIQUE
GEMBLOUX (Belgique)

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P R E S E N T A T I O N

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Avant ceci, l'Atlas provisoire des Insectes de Belgique a présenté synoptiquement l'information accumulée au sujet de la présence de 1600 espèces d'Insectes dans nos régions. Cette documentation a fait l'objet d'une analyse qualitative et statistique et celle-ci a conduit à la proposition d'une "Première Liste rouge d'Insectes menacés dans la Faune belge" (Notes fauniques de Gembloux, n° 4, 1980).

Cependant l'entomofaune qui accompagne nos paysages et que nous voulons apprécier et surveiller comporte encore plus de 10.000 espèces dont la prospérité et les chances ne pourront être estimées qu'après l'effort de synthèse qui aboutit à marquer ce qu'on sait sur des cartes normalisées. Il faut donc continuer; nous le faisons ici avec une nouvelle série de 155 espèces d'Hyménoptères.

Nos enquêtes et entreprises cartographiques ont pu être efficaces grâce à une subvention du Fonds de la Recherche scientifique fondamentale collective, géré par l'Administration de l'Enseignement supérieur & de la Recherche scientifique de nos Ministères de l'Education nationale & de la Culture. Mais le contrat assurant cette subvention est venu à échéance le 31 décembre 1979. Qu'à cela ne tienne, mon équipe ne s'est pas découragée, le présent Atlas en est la preuve. Elle s'est même renforcée grâce à l'attribution de deux "Cadres spéciaux temporaires" de l'Office National de l'Emploi, le premier en 1980 pour réaliser le Projet 7410 "Enquête sur les Guêpes et les Abeilles sauvages", le second en 1981 pour le Projet 11884 "Les Guêpes et les Abeilles dans notre environnement". C'est à ces projets et à la confiance qui nous fut faite par l'ONEM que MM. Pierre MATHOT, Alain PAULY et Pierre RASMONT et Mmes Geneviève LAURENT et Isabelle MOULAERT doivent d'avoir pu participer à l'élaboration du présent Atlas.

Jean LECLERCQ

REPERTOIRE

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CARTES 1646 - 1700: Hymenoptera Ichneumonidae Ichneumoninae

par Camille THIRION

Ceci constitue la suite des cartes d'Ichneumonidae de Belgique (cartes 119-142, 801-868, 1061-1101 déjà parues). Leur analyse paraîtra dans Bull. Ann. Soc. r. belge Ent., 117, 1982 (fasc. 10-12).

- 1646 - *Alomya debellator* (FABRICIUS)
- 1647 - *Alomya semiflava* STEPHENS
- 1648 - *Baranisobas ridibundus* (GRAVENHORST)
- 1649 - *Chasmias lugens* (GRAVENHORST)
- 1650 - *Chasmias motatorius* (FABRICIUS)
- 1651 - *Chasmias paludator* (DESVIGNES)
- 1652 - *Cratichneumon albifrons* (STEPHENS)
- 1653 - *Cratichneumon clarigator* (WESMAEL)
- 1654 - *Cratichneumon corruscator* (LINNE)
- 1655 - *Cratichneumon culex* (MUELLER)
- 1656 - *Cratichneumon dissimilis* (GRAVENHORST)
- 1657 - *Cratichneumon fabricator* (FABRICIUS)
- 1658 - *Cratichneumon foersteri* (WESMAEL)
- 1659 - *Cratichneumon fugitivus* (GRAVENHORST)
- 1660 - *Cratichneumon infidus* (WESMAEL)
- 1661 - *Cratichneumon luteiventris* (GRAVENHORST)
- 1662 - *Cratichneumon rufifrons* (GRAVENHORST)
- 1663 - *Cratichneumon sicarius* (GRAVENHORST)
- 1664 - *Cratichneumon varipes* (GRAVENHORST)
- 1665 - *Cratichneumon versator* (THUNBERG)
- 1666 - *Cratichneumon viator* (SCOPOLI)
- 1667 - *Crypteffigies albilarvatus* (GRAVENHORST)
- 1668 - *Crypteffigies lanus* (GRAVENHORST)
- 1669 - *Crypteffigies pseudocryptus* (WESMAEL)
- 1670 - *Diphyus castanopygus* (STEPHENS)

- 1671 - *Eupalamus lacteator* (GRAVENHORST)
1672 - *Eupalamus lamentator* (THUNBERG)
1673 - *Eupalamus oscillator* WESMAEL
1674 - *Eupalamus wesmaeli* THOMSON
1675 - *Eurylabus torvus* WESMAEL
1676 - *Eurylabus tristis* (GRAVENHORST)
1677 - *Homotherus locutor* (THUNBERG)
1678 - *Lymantrichneumon disparis* (PODA)
1679 - *Melanichneumon alpictus* (GRAVENHORST)
1680 - *Melanichneumon extremator* (THUNBERG)
1681 - *Melanichneumon fortipes* (WESMAEL)
1682 - *Melanichneumon leucocheilus* WESMAEL
1683 - *Melanichneumon lugubris* (BERTHOUMIEU)
1684 - *Melanichneumon melanarius* (WESMAEL)
1685 - *Melanichneumon nivatus* (GRAVENHORST)
1686 - *Melanichneumon perscrutator* (WESMAEL)
1687 - *Probolus concinnus* WESMAEL
1688 - *Probolus culpatorius* (LINNE)
1689 - *Protichneumon coqueberti* (WESMAEL)
1690 - *Protichneumon fusorius* (LINNE)
1691 - *Protichneumon pisorius* (LINNE)
1692 - *Rictichneumon pachymerus* (HARTIG)
1693 - *Stenichneumon culpator* (SCHRANK)
1694 - *Stenichneumon militarius* (THUNBERG)
1695 - *Syspasis alboguttatus* (GRAVENHORST)
1696 - *Syspasis haesitator* (WESMAEL)
1697 - *Syspasis lineator* (FABRICIUS)
1698 - *Syspasis rufina* (GRAVENHORST)
1699 - *Syspasis scutellator* (GRAVENHORST)
1700 - *Ulesta perspicuus* (WESMAEL)
1700 bis - Somme des données concernant les Ichneumonidae,
soit des cartes 119-142, 801-868, 1061-1101, 1646-1700.

CARTES 1701 - 1748 : Hymenoptera Apoidea Anthophoridae
Genre Nomada SCOPOLI
par Pierre MATHOT

- 1701 - *Nomada alboguttata* HERRICH-SCHÄFFER
- 1702 - *Nomada argentata* HERRICH-SCHÄFFER
- 1703 - *Nomada armata* HERRICH-SCHÄFFER
- 1704 - *Nomada baccata* SMITH
- 1705 - *Nomada baeri* E.STOECKHERT (découverte de J.PETIT, 1975)
- 1706 - *Nomada braunsiana* SCHMIEDEKNECHT (découverte de J.PETIT, 1972)
- 1707 - *Nomada conjugens* HERRICH-SCHÄFFER
- 1708 - *Nomada distinguenda* MORAWITZ
- 1709 - *Nomada emarginata* MORAWITZ
- 1710 - *Nomada fabriciana* (LINNE)
- 1711 - *Nomada femoralis* MORAWITZ
- 1712 - *Nomada ferruginata* (LINNE) (*xanthosticta* KIRBY, in STOECKHERT, 1930, p. 1004,1047, etc.)
- 1713 - *Nomada flava* PANZER
- 1714 - *Nomada flavoguttata* (KIRBY)
- 1715 - *Nomada flavopicta* (KIRBY)
- 1716 - *Nomada fucata* PANZER
- 1717 - *Nomada fulvicornis* FABRICIUS in auct., nec FABRICIUS type
mais nom définitif encore incertain.
- 1718 - *Nomada furva* PANZER (*furva* in STÖCKHERT, 1930, pp. 1017, 1037, distinguée de *sheppardana* KIRBY)
- 1719 - *Nomada fuscicornis* NYLANDER
- 1720 - *Nomada glabella* THOMSON
- 1721 - *Nomada goodeniana* (KIRBY)
- 1722 - *Nomada guttulata* SCHENCK
- 1722 bis - *Nomada hirtipes* PEREZ (donnée inattendue de DERVIN,1961)
- 1723 - *Nomada lathburiana* (KIRBY)
- 1724 - *Nomada lepeletieri* PEREZ
- 1725 - *Nomada leucophthalma* (KIRBY)

- 1726 - *Nomada lineola* PANZER (STOECKHERT, 1930, pp.992, 1029)
(*fulvicornis* FABRICIUS type, nec auct.; priorité non
enregistrée ici pour éviter la confusion avec
fulvicornis auct.)
- 1727 - *Nomada major* MORAWITZ (découverte de LEFEBER, 1967)
- 1728 - *Nomada marshamella* (KIRBY)
- 1729 - *Nomada melanothoracica* IMHOFF
- 1730 - *Nomada mutabilis* MORAWITZ
- 1731 - *Nomada mutica* MORAWITZ
- 1732 - *Nomada obscura* ZETTERSTEDT
- 1733 - *Nomada obtusifrons* NYLANDER
- 1734 - *Nomada opaca* ALFKEN (J.MATHOT réc. 1964)
- 1735 - *Nomada panzeri* LEPELETIER (*ruficornis* auct. nec LINNE;
ruficornis STOECKHERT, 1930, pp.1014, 1049)
- 1736 - *Nomada picciolana* MAGRETTI ssp. *jurassica* E.STOECKHERT
(cf. E.STOECKHERT, 1941, F.K. STOECKHERT, 1954, LEFEBER 1971)
- 1737 - *Nomada pleurosticta* HERRICH-SCHÄFFER (*ferruginata* auct. nec
LINNE, STOECKHERT, 1930, pp. 1023, 1050; *stigma* auct. nec.
FABRICIUS, STOECKHERT, 1954, p. 60, n°64; *cinctiventris*
FRIESE; *pleurosticta* in RICHARDS, 1978, p. 139)
- 1738 - *Nomada rhenana* MORAWITZ
- 1739 - *Nomada roberjeotiana* PANZER
- 1740 - *Nomada ruficornis*(LINNE) (*bifida* THOMSON; STOECKHERT, 1930,
pp. 1009, 1042)
- 1741 - *Nomada rufipes* FABRICIUS
- 1742 - *Nomada sexfasciata* PANZER
- 1743 - *Nomada sheppardana* (KIRBY) (*furva* auct. nec PANZER; *dalii*
CURTIS, STOECKHERT, 1930, pp.1017, 1037)
- 1744 - *Nomada signata* JURINE
- 1745 - *Nomada similis* MORAWITZ
- 1746 - *Nomada stigma* FABRICIUS (*cinnabarina* MORAWITZ; STOECKHERT, 1930,
pp. 1016, 1050)
- 1747 - *Nomada striata* FABRICIUS (*hillana* KIRBY, STOECKHERT, 1930, pp.
1011, 1045)
- 1748 - *Nomada villosa* THOMSON

CARTES 1749 - 1782 : Hymenoptera Apoidea, par Alain PAULY

CARTES 1749 - 1756 : Anthophoridae, genre Anthophora LATREILLE

- 1749 - *Anthophora aestivalis* (PANZER)
- 1750 - *Anthophora bimaculata* (PANZER)
- 1751 - *Anthophora borealis* MORAWITZ
- 1752 - *Anthophora furcata* (PANZER)
- 1753 - *Anthophora plagiata* (ILLIGER)
- 1754 - *Anthophora plumipes* (PALLAS) (acervorum auct.)
- 1755 - *Anthophora quadrimaculata* (PANZER)
- 1756 - *Anthophora retusa* (LINNE)
- 1756 bis - Somme des données concernant le genre *Anthophora* LATREILLE

CARTES 1757 - 1780 : Megachilidae, genre Osmia PANZER, sensu lato

- 1757 - *Osmia adunca* (PANZER)
- 1758 - *Osmia andrenoides* SPINOLA
- 1759 - *Osmia anthocopoides* SCHENCK
- 1760 - *Osmia aurulenta* (PANZER)
- 1761 - *Osmia bicolor* (SCHRANK)
- 1762 - *Osmia claviventris* THOMSON
- 1763 - *Osmia coerulescens* (LINNE)
- 1764 - *Osmia cornuta* (LATREILLE)
- 1765 - *Osmia emarginata* LEPELETIER
- 1766 - *Osmia fulviventris* (PANZER)
- 1767 - *Osmia gallarum* SPINOLA
- 1768 - *Osmia leaiana* (KIRBY)
- 1769 - *Osmia leucomelana* (KIRBY)
- 1770 - *Osmia mitis* NYLANDER
- 1771 - *Osmia papaveris* (LATREILLE)
- 1772 - *Osmia parietina* CURTIS
- 1773 - *Osmia pilicornis* SMITH
- 1774 - *Osmia platycera* GERSTAECKER
- 1775 - *Osmia ravouxii* PEREZ

CARTES 1786 - 1800 : Hymenoptera Apoidea Megachilidae
Genres Chalicodoma LEPELETIER et Megachile LATREILLE
par LIONGO LI ENKULU

Le présent atlas compte 16 cartes de répartition des Megachile et Chalicodoma de Belgique.

Le matériel inventorié comprend les collections de l'Institut Royal des Sciences Naturelles de Belgique , de la Faculté des Sciences Agronomiques de l'Etat à Gembloux, de l'Institut de Zoologie Ed. Van Beneden de l'Université de Liège et enfin celles de collectionneurs privés tel que MM. K. JANSSENS (Antwerpen), V.LEFEBER (Maastricht) et J. PETIT (Wonck).

Toutes nos déterminations ont été soumises pour vérification à M. VAN DER ZANDEN (Eindhoven). Qu'il trouve ici l'expression de notre sincère gratitude.

- 1786 - *Chalicodoma ericetorum* LEPELETIER
- 1787 - *Megachile alpicola* ALFKEN
- 1788 - *Megachile analis* NYLANDER
- 1789 - *Megachile buyssoni* PEREZ
- 1790 - *Megachile centuncularis* (LINNE)
- 1791 - *Megachile circumcincta* (KIRBY)
- 1792 - *Megachile lagopoda* (LINNE)
- 1793 - *Megachile lapponica* THOMSON
- 1794 - *Megachile leachella* CURTIS
- 1795 - *Megachile ligniseca* (KIRBY)
- 1796 - *Megachile maritima* (KIRBY)
- 1797 - *Megachile pilidens* ALFKEN
- 1798 - *Megachile pyrenaea* PEREZ
- 1798 bis - *Megachile rotundata* (FABRICIUS)
- 1799 - *Megachile versicolor* SMITH
- 1800 - *Megachile willughbiella* (KIRBY)
- 1800 bis - Somme des données concernant les genres *Chalicodoma*
LEPELETIER et *Megachile* LATREILLE

R A P P E L

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Pour noter la présence des espèces dans les divisions du quadrillage U.T.M., trois symboles sont utilisés :



captures ou observations à partir de 1950, publiées ou non, mais certifiées exactes par les auteurs de la carte.



captures ou observations antérieures à 1950, publiées ou non, mais certifiées exactes par les auteurs de la carte;

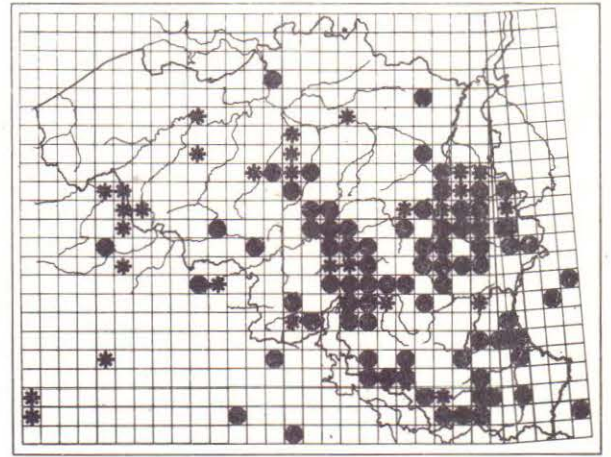


données bibliographiques , les auteurs de la carte n'ont pas vu le matériel correspondant; presque toujours: observations antérieures à 1940;

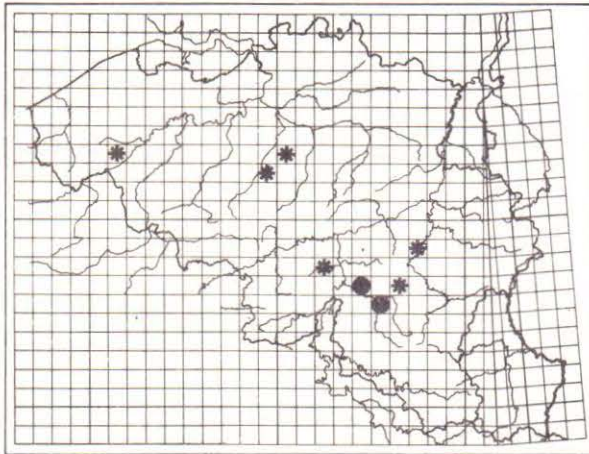
Cartes 1646 - 1700

Hymenoptera Ichneumonidae
Ichneumoninae

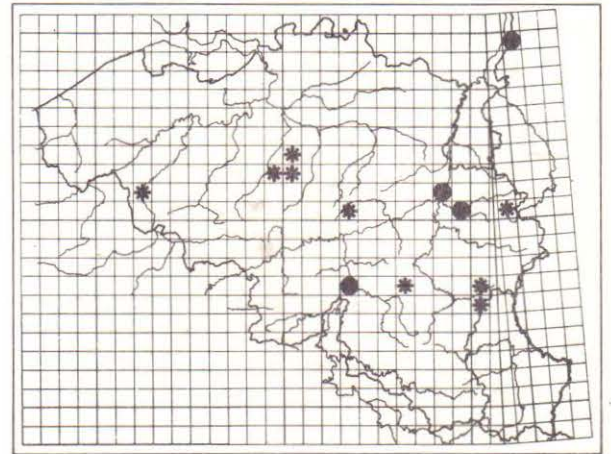
par Camille THIRION



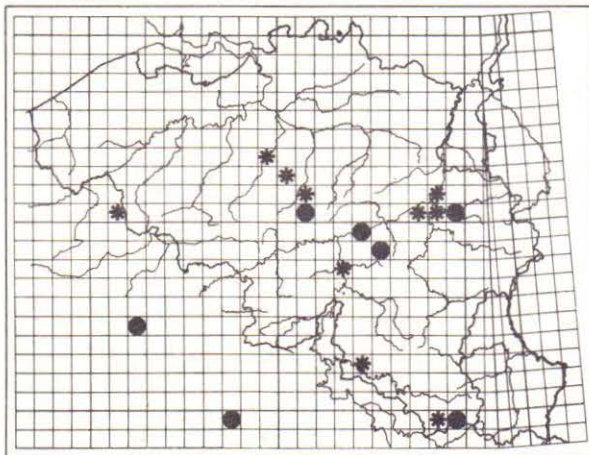
1646 - *Alomya debellator* (FABRICIUS)



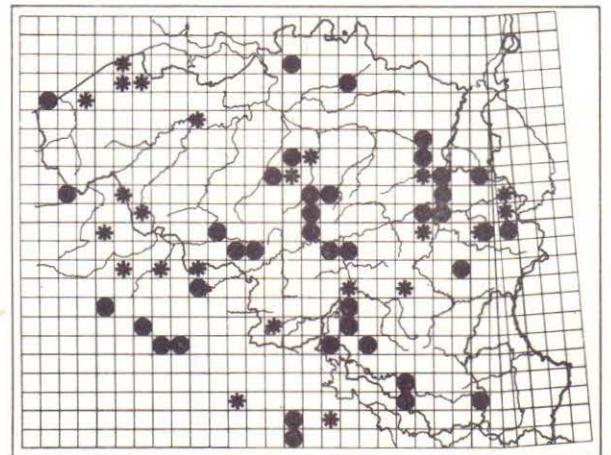
1647 - *Alomya semiflava* STEPHENS



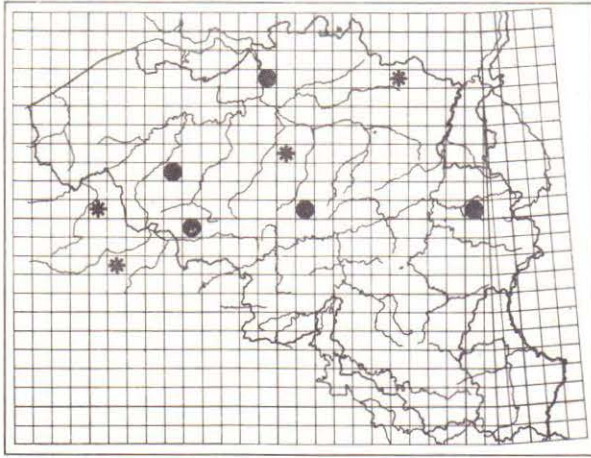
1648 - *Baranisobas ridibundus* (GRAVENHORST)



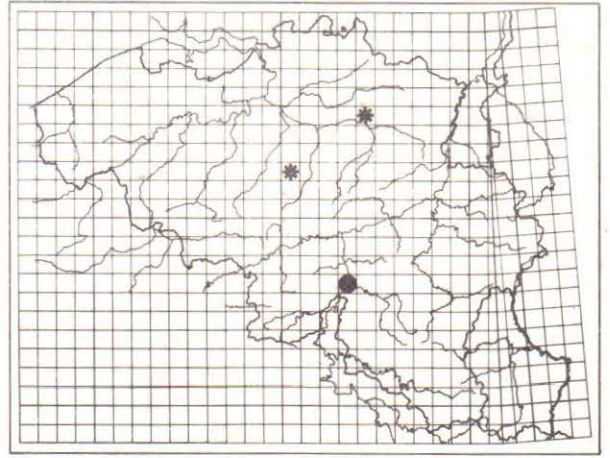
1649 - *Chasmias lugens* (GRAVENHORST)



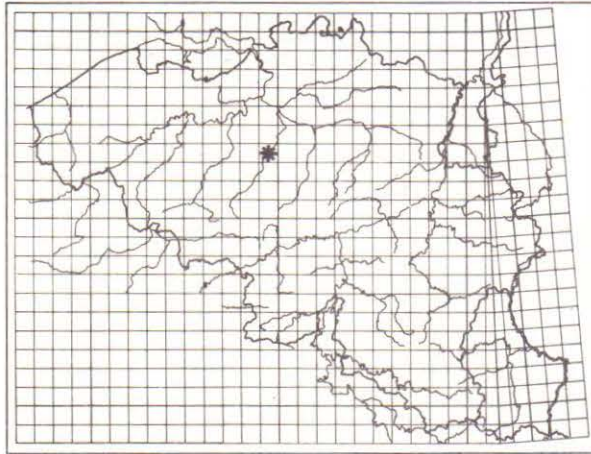
1650 - *Chasmias motatorius* (FABRICIUS)



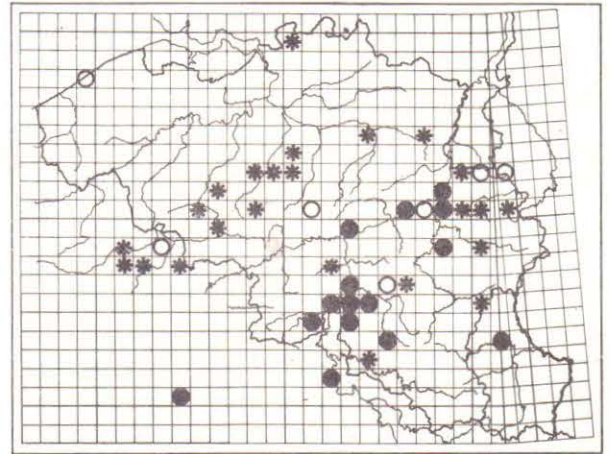
1651 - *Chasmias paludator* (DESIGNES)



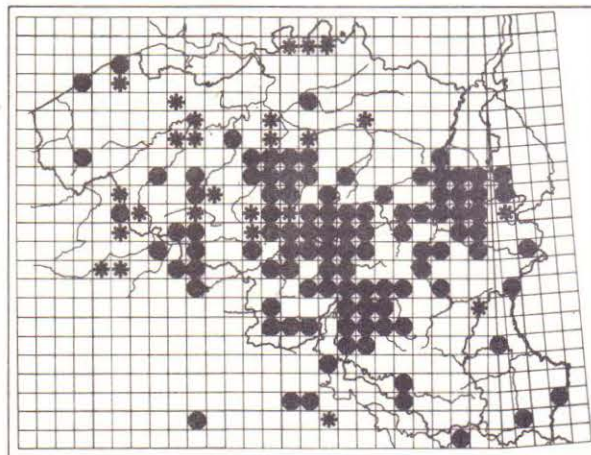
1652 - *Cratichneumon albifrons* (STEPHENS)



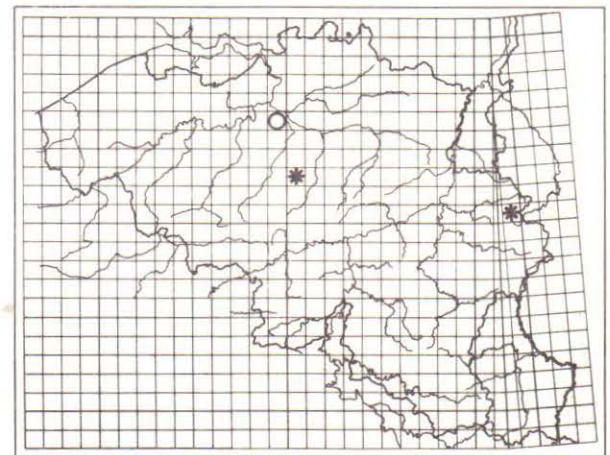
1653 - *Cratichneumon clarigator* (WESMAEL)



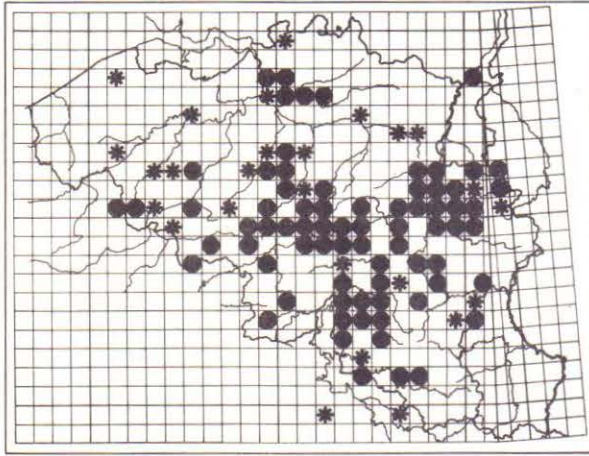
1654 - *Cratichneumon corruscator* (LINNE)



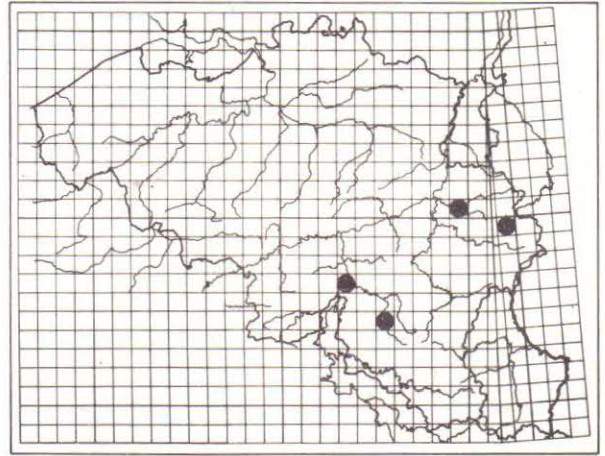
1655 - *Cratichneumon culex* (MUELLER)



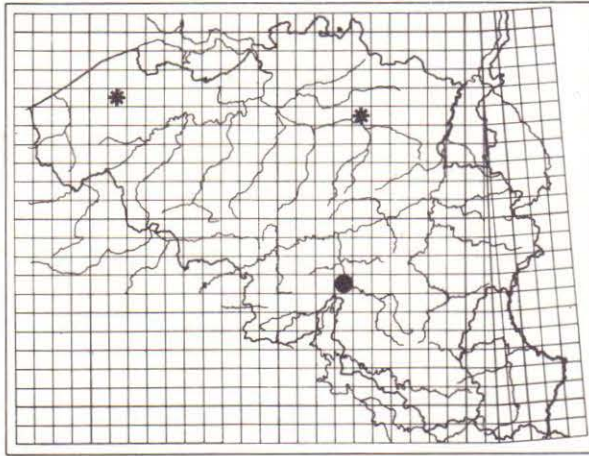
1656 - *Cratichneumon dissimilis* (GRAVENHORST)



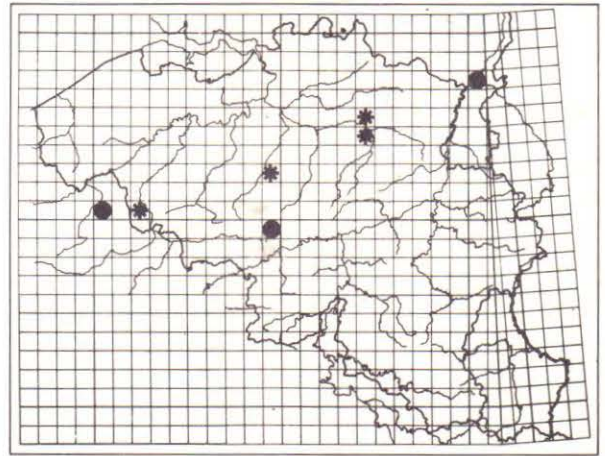
1657 - *Craticheumon fabricator* (FABRICIUS)



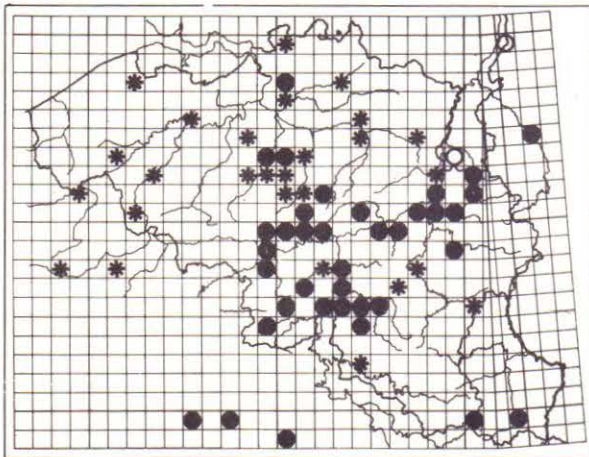
1658 - *Craticheumon foersteri* (WESMAEL)



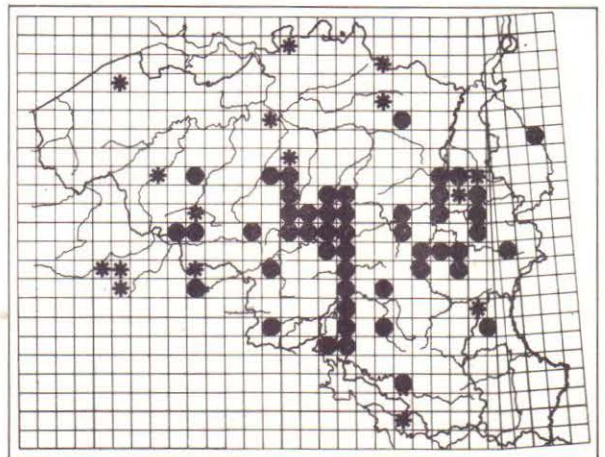
1659 - *Craticheumon fugitivus* (GRAVENHORST)



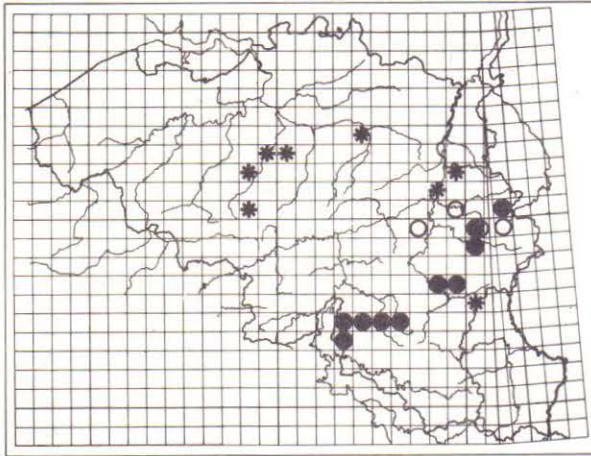
1660 - *Craticheumon infidus* (WESMAEL)



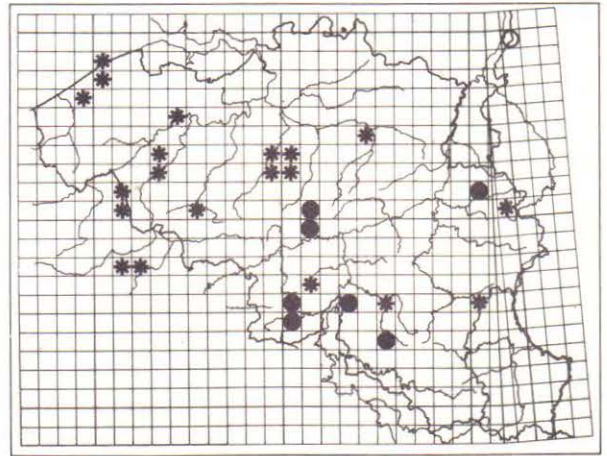
1661 - *Craticheumon luteiventris* (GRAVENHORST)



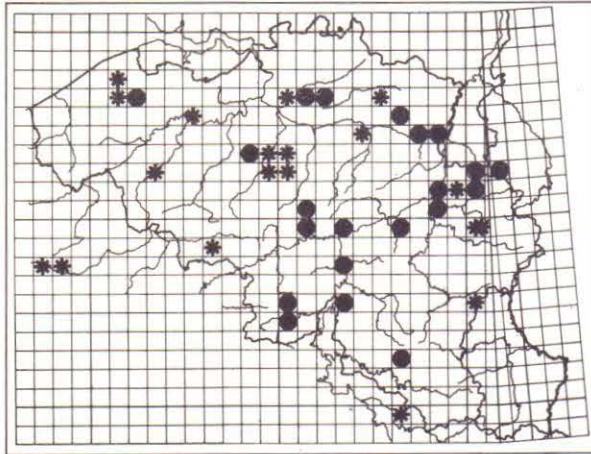
1662 - *Craticheumon rufifrons* (GRAVENHORST)



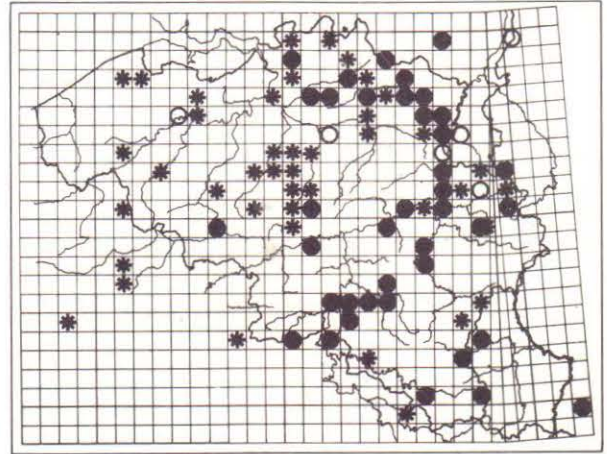
1663 - *Cratichneumon sicarius* (GRAVENHORST)



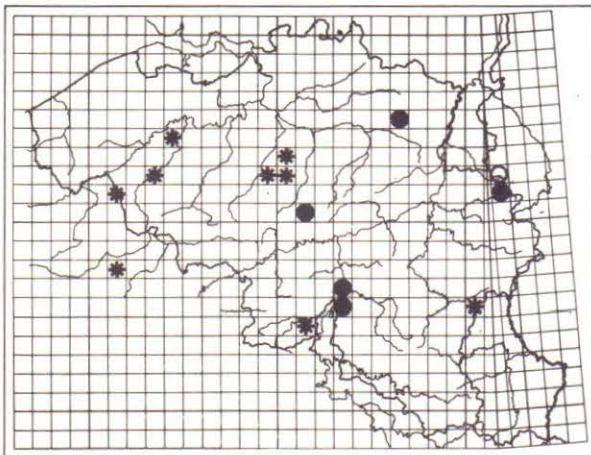
1664 - *Cratichneumon varipes* (GRAVENHORST)



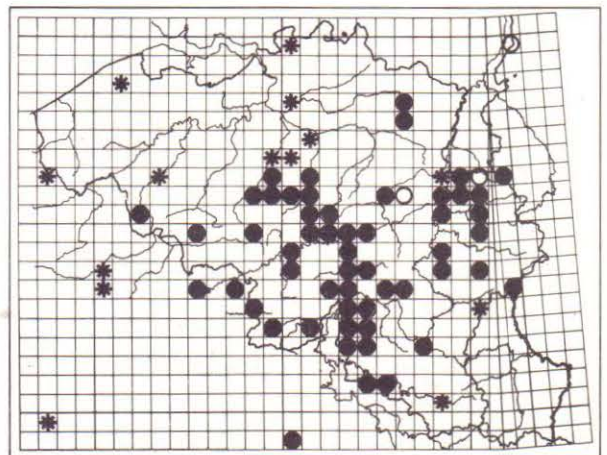
1665 - *Cratichneumon versator* (THUNBERG)



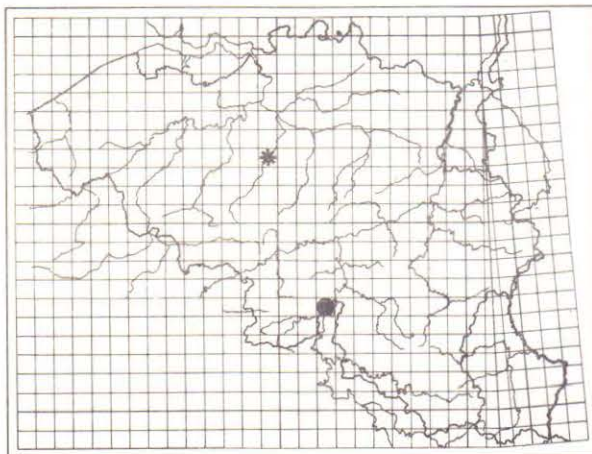
1666 - *Cratichneumon viator* (SCOPOLI)



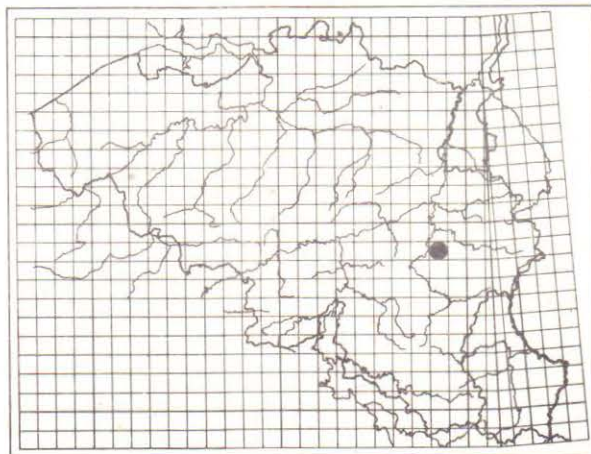
1667 - *Crypteffigies albarvatus* (GRAVENHORST)



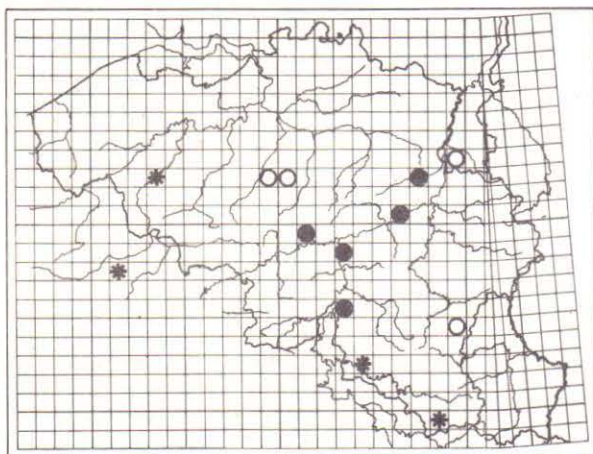
1668 - *Crypteffigies lanius* (GRAVENHORST)



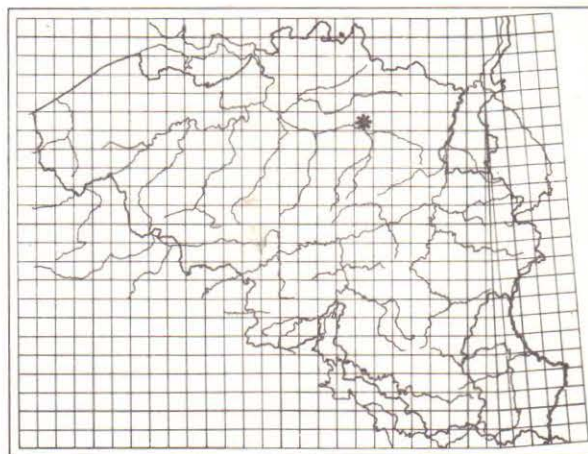
1669 - *Crypteffigies pseudocryptus* (WESMAEL)



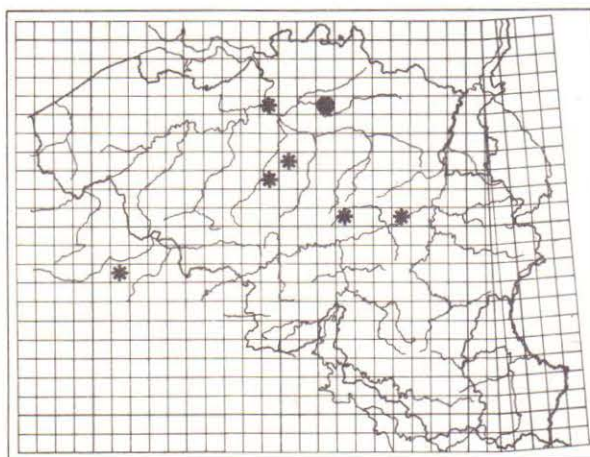
1670 - *Diphyus castanopygus* (STEPHENS)



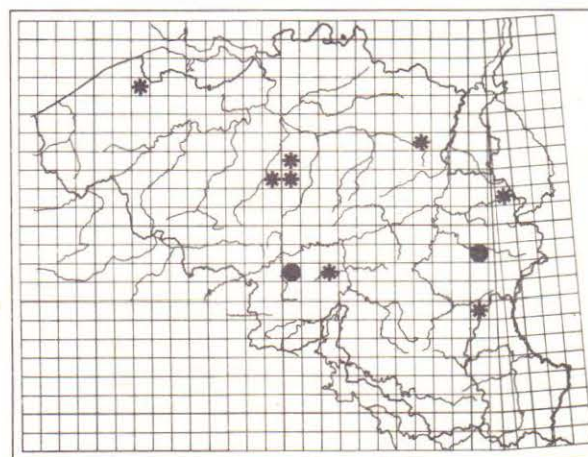
1671 - *Eupalamus lacteator* (GRAVENHORST)



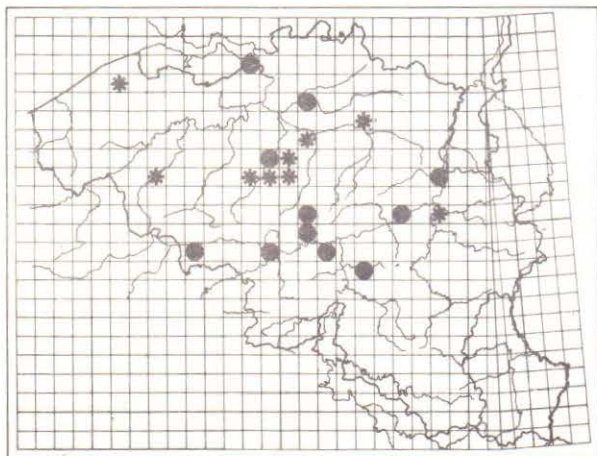
1672 - *Eupalamus lamentator* (THUNBERG)



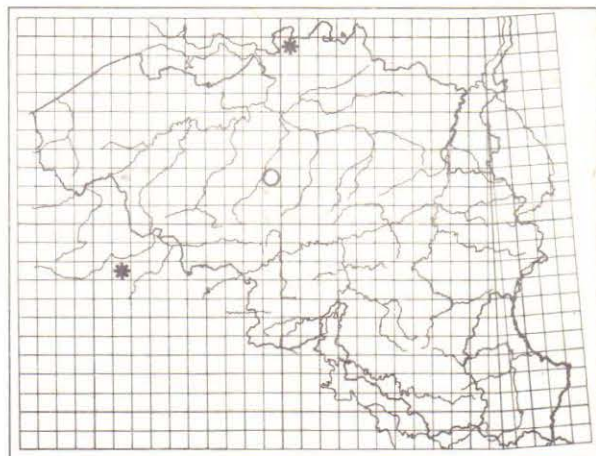
1673 - *Eupalamus oscillator* WESMAEL



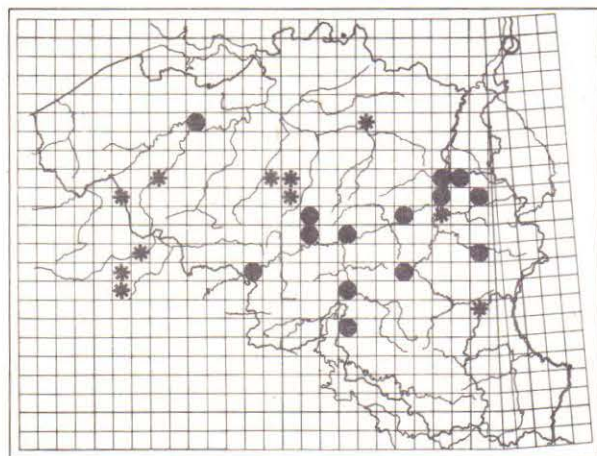
1674 - *Eupalamus wesmaeli* THOMSON



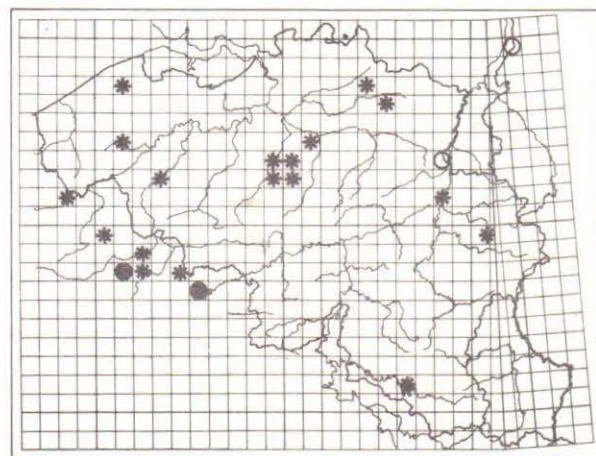
1675 - *Eurylabus torvus* WESMAEL



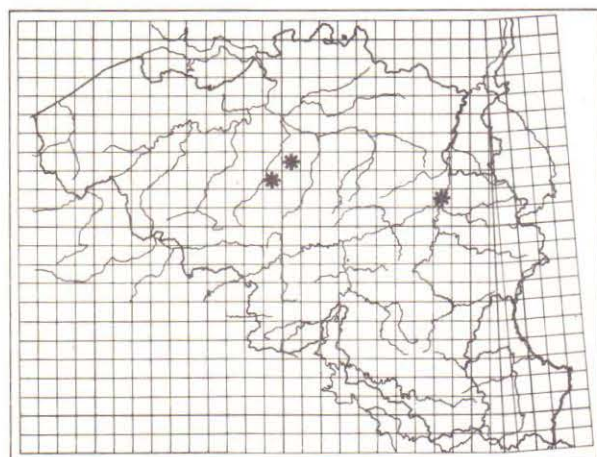
1676 - *Eurylabus tristis* (GRAVENHORST)



1677 - *Homotherus locutor* (THUNBERG)



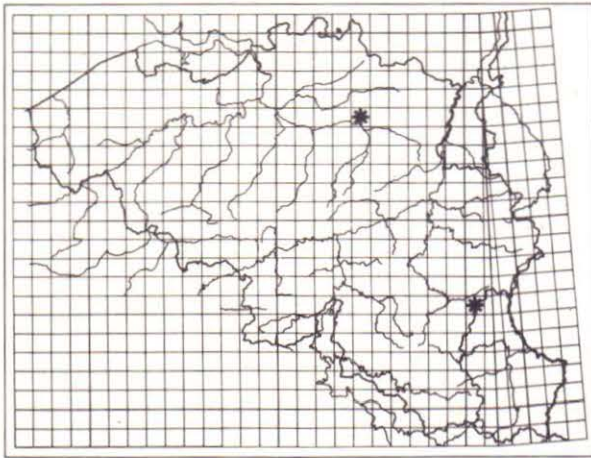
1678 - *Lymantrichneumon disparis* (PODA)



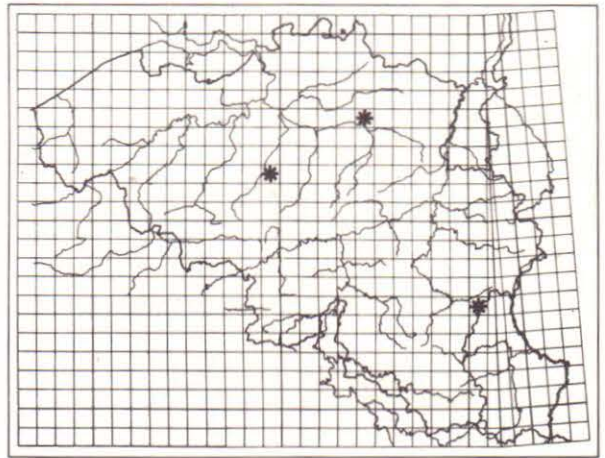
1679 - *Melanichneumon albipictus* (GRAVENHORST)



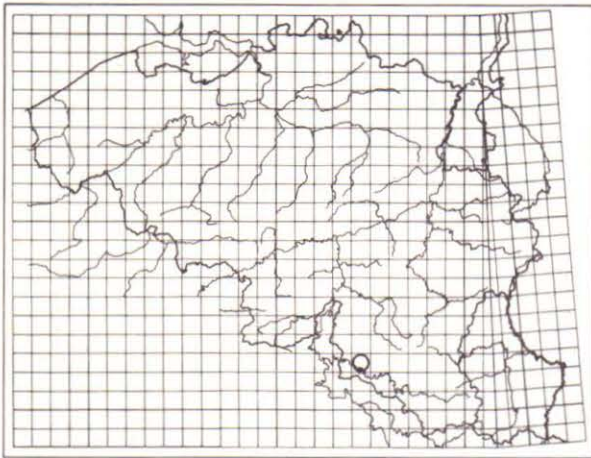
1680 - *Melanichneumon extremator* (THUNBERG)



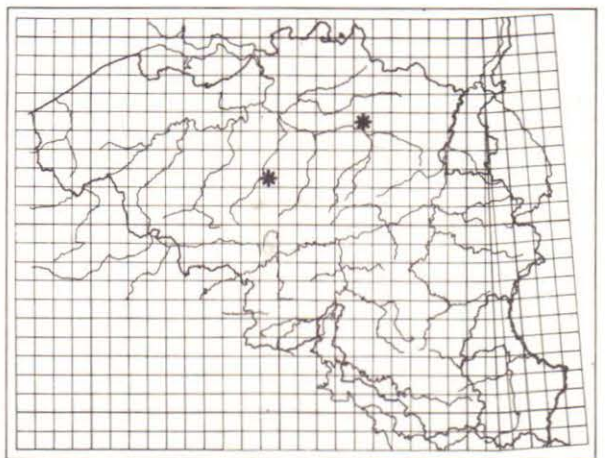
1681 - *Melanichneumon fortipes* (WESMAEL)



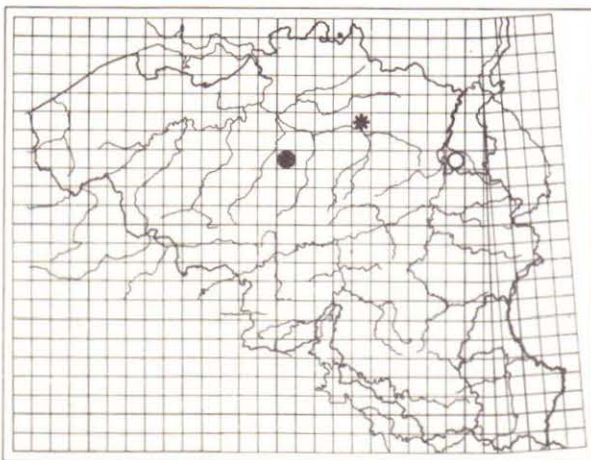
1682 - *Melanichneumon leucocheilus* WESMAEL



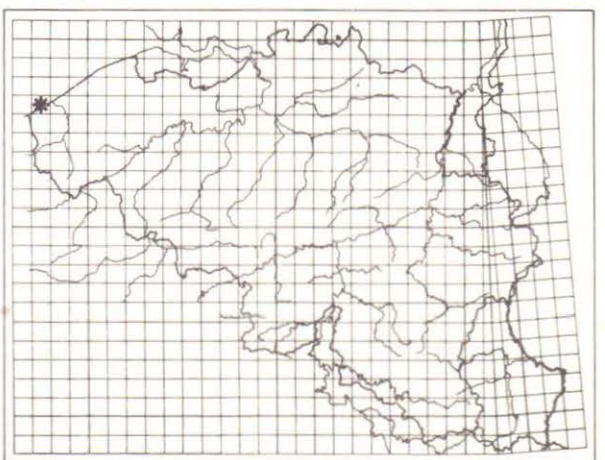
1683 - *Melanichneumon lugubris* (BERTHOUMIEU)



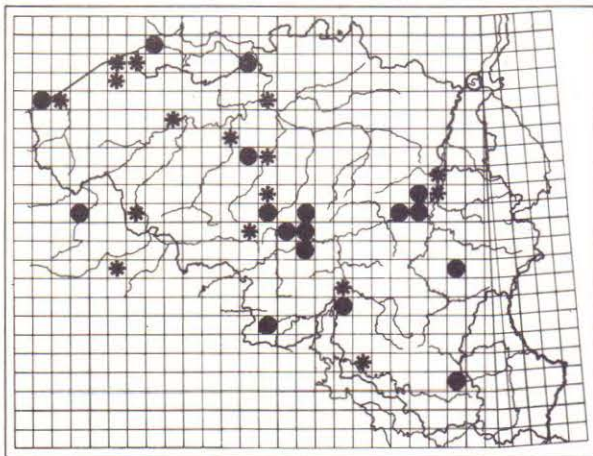
1684 - *Melanichneumon melanarius* (WESMAEL)



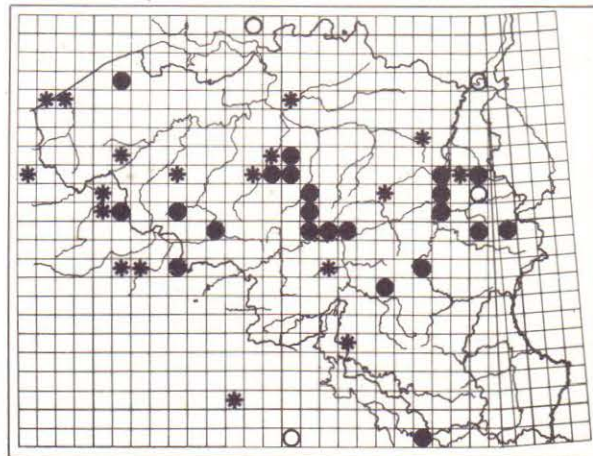
1685 - *Melanichneumon nivatus* (GRAVENHORST)



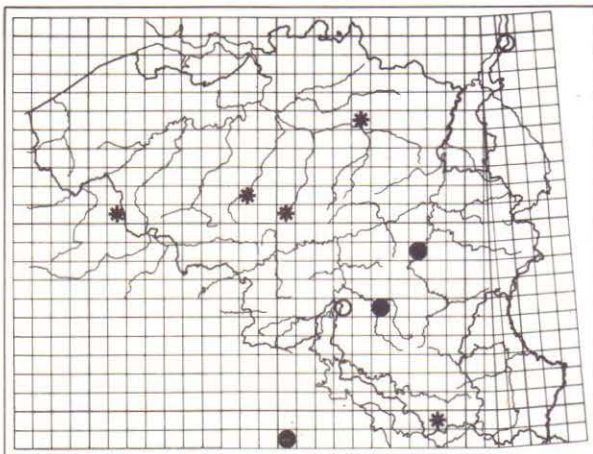
1686 - *Melanichneumon perscrutator* (WESMAEL)



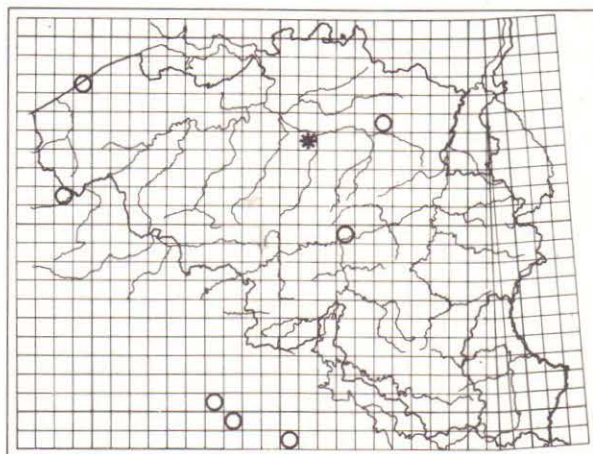
1687 - *Probolus concinnus* WESMAEL



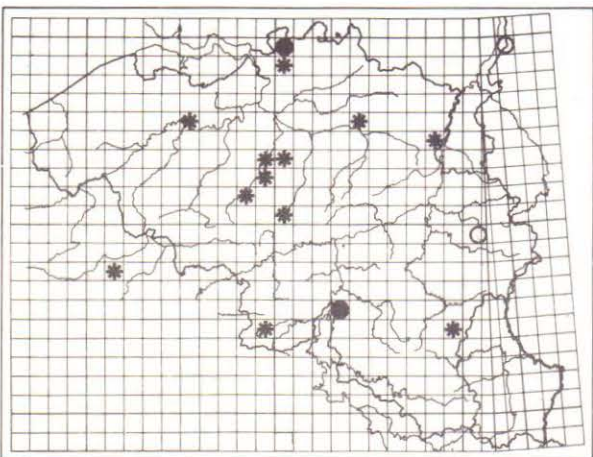
1688 - *Probolus culpatorius* (LINNE)



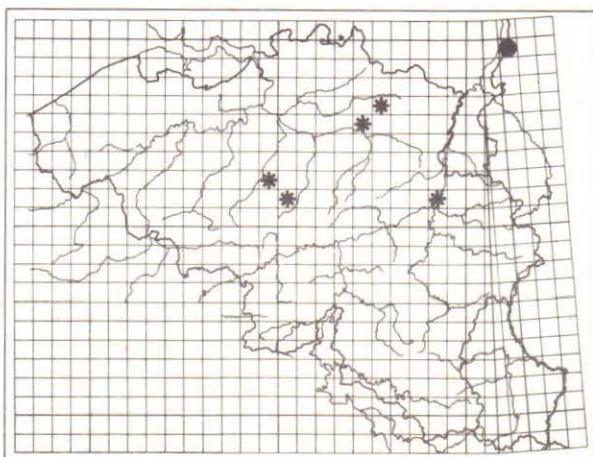
1689 - *Protichneumon coqueberti* (WESMAEL)



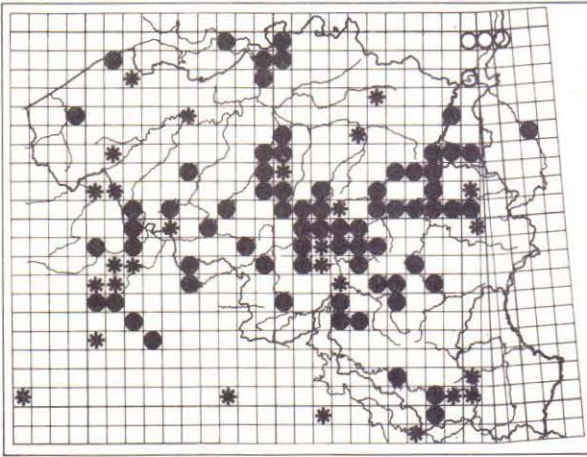
1690 - *Protichneumon fusorius* (LINNE)



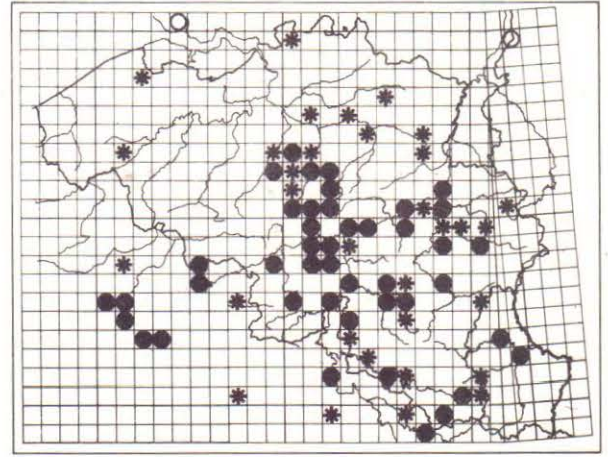
1691 - *Protichneumon pisorius* (LINE)



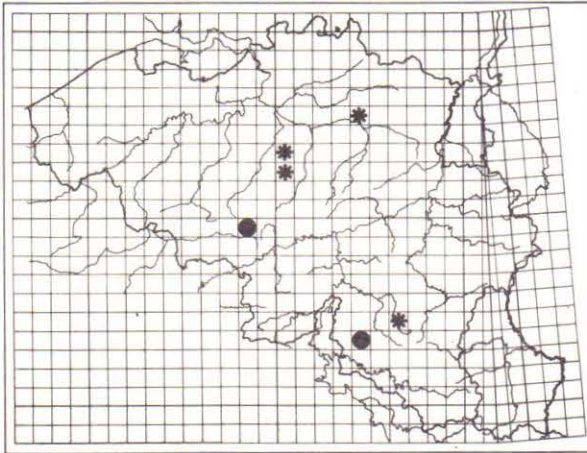
1692 - *Rictichneumon pachymerus* (HARTIG)



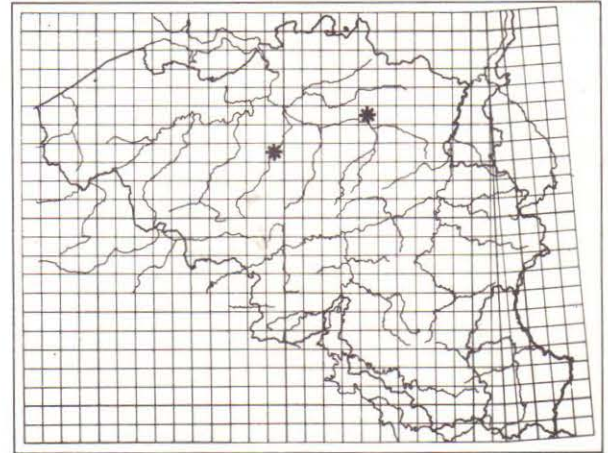
1693 - *Stenichneumon culpator* (SCHRANK)



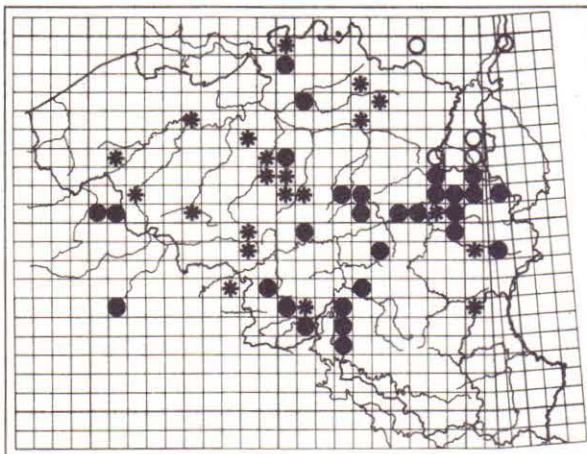
1694 - *Stenichneumon militarius* (THUNBERG)



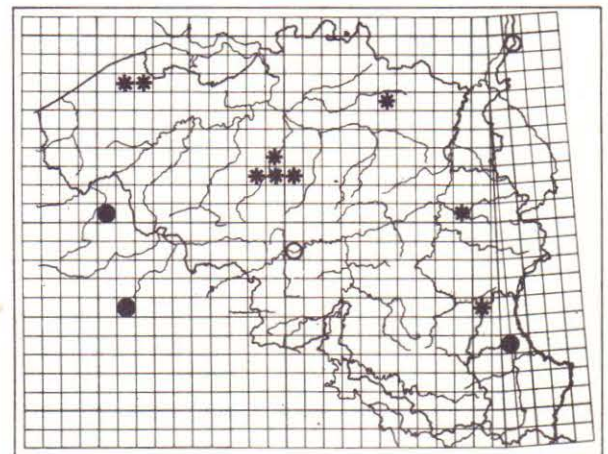
1695 - *Syspasis alboguttatus* (GRAVENHORST)



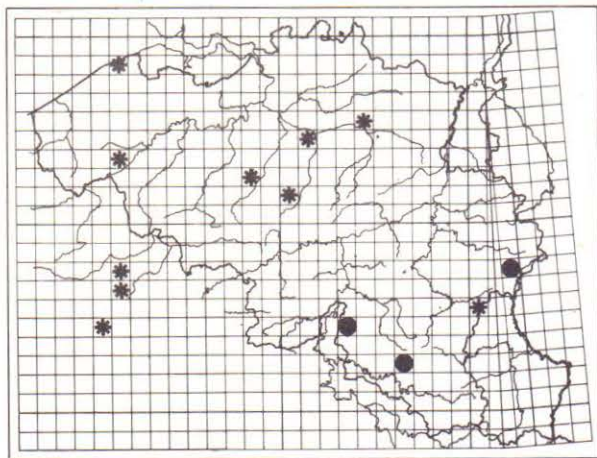
1696 - *Syspasis haesitator* (WESMAEL)



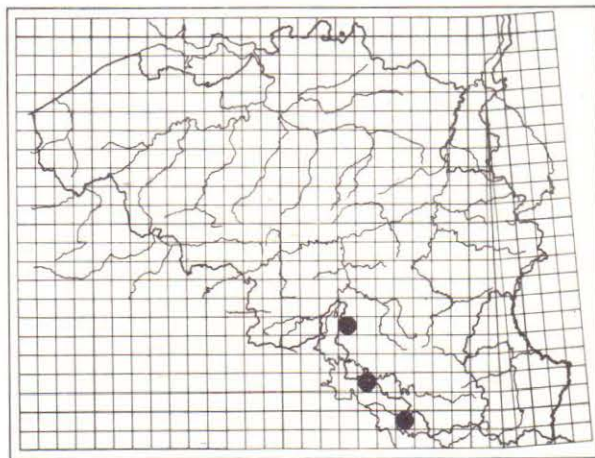
1697 - *Syspasis lineator* (FABRICIUS)



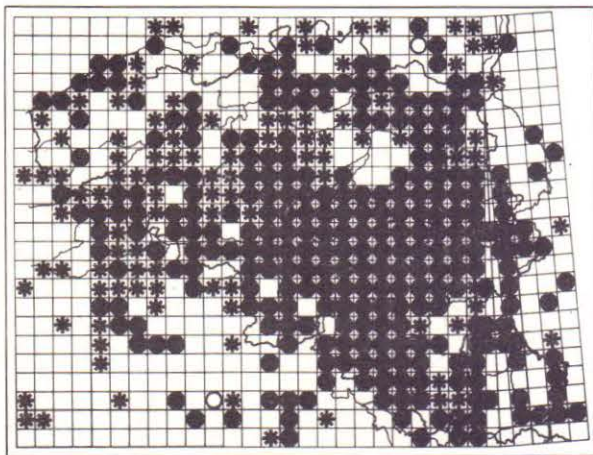
1698 - *Syspasis rufina* (GRAVENHORST)



1699 - *Syspasis scutellator* (GRAVENHORST)

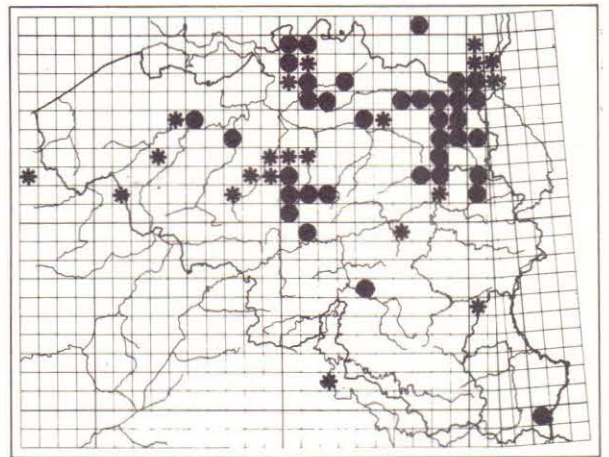


1700 - *Ulesta perspicuus* (WESMAEL)

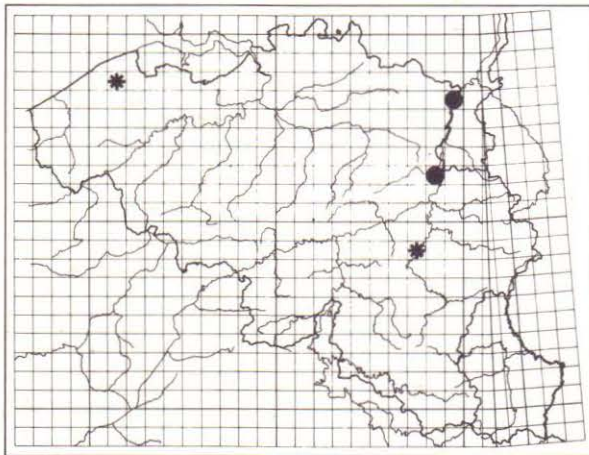


1700 bis - Somme des données concernant les Ichneumonidae :
cartes 119-142, 801-868, 1061-1101, 1646-1700

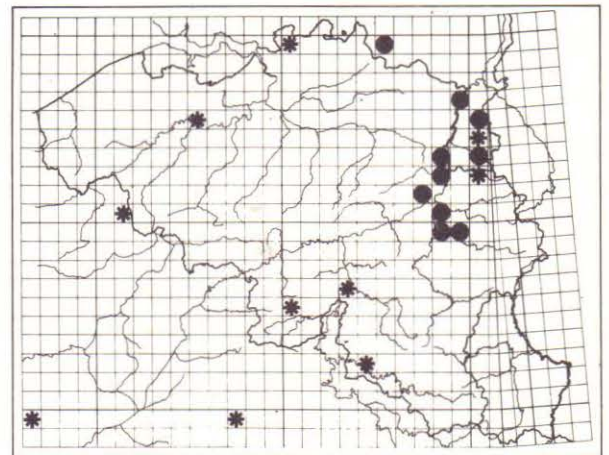
Cartes 1701 - 1748
 Hymenoptera Apoidea
 Nomada
 par Pierre MATHOT



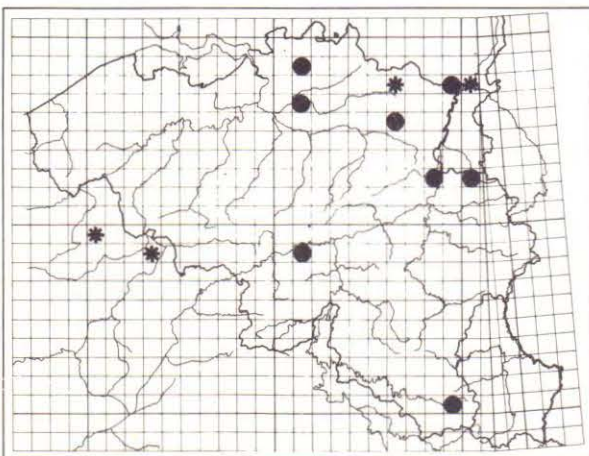
1701 - *Nomada alboguttata* HERRICH-SCHÄFFER



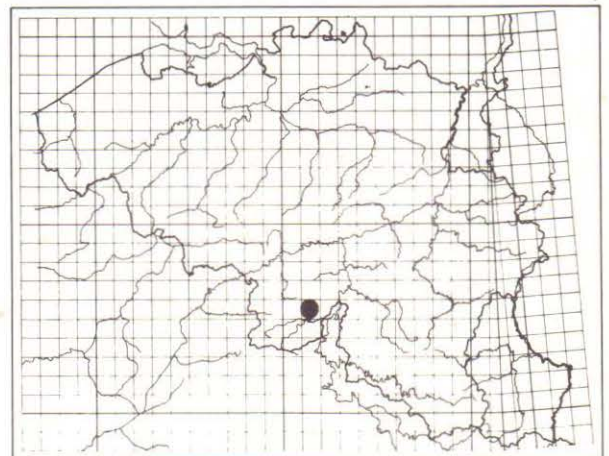
1702 - *Nomada argentata* HERRICH-SCHÄFFER



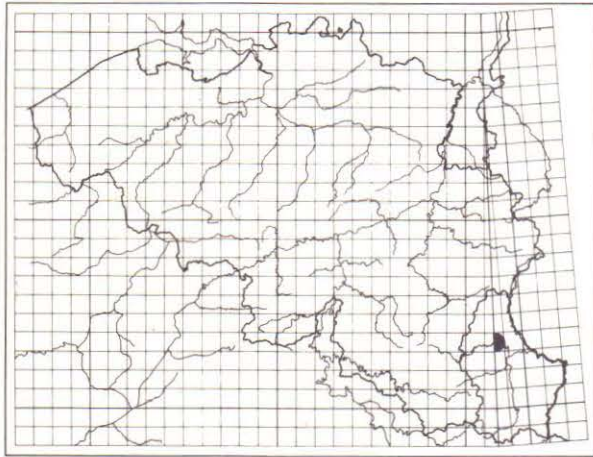
1703 - *Nomada armata* HERRICH-SCHÄFFER



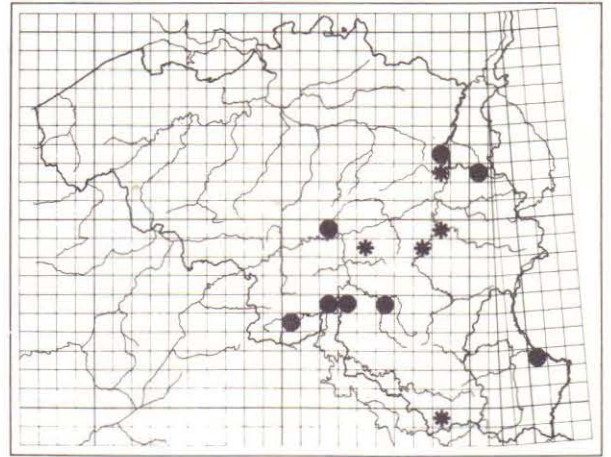
1704 - *Nomada baccata* SMITH



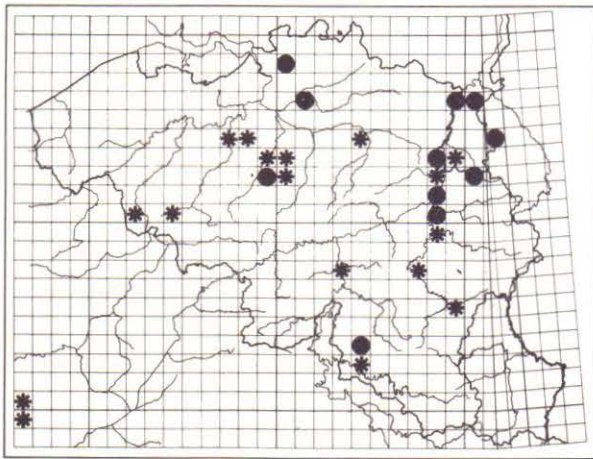
1705 - *Nomada baeri* E. STOECKERT



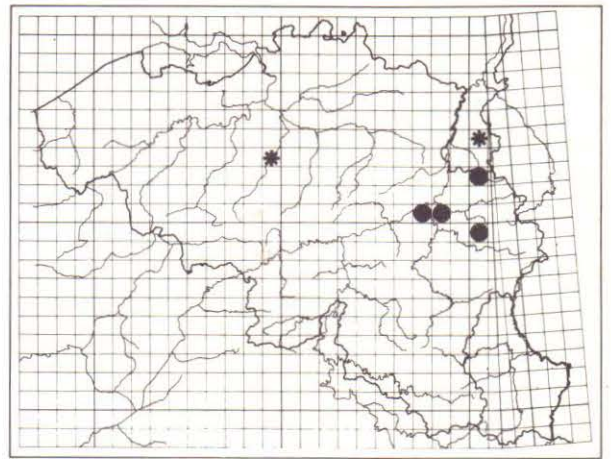
1706 - *Nomada brausiana* SCHMIEDEKNECHT



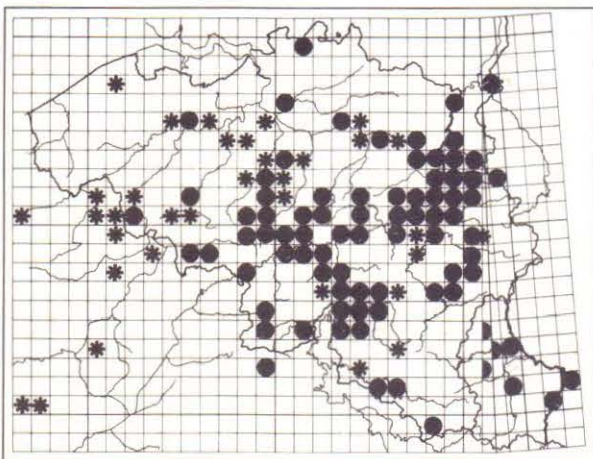
1707 - *Nomada conjugens* HERRICH-SCHÄFFER



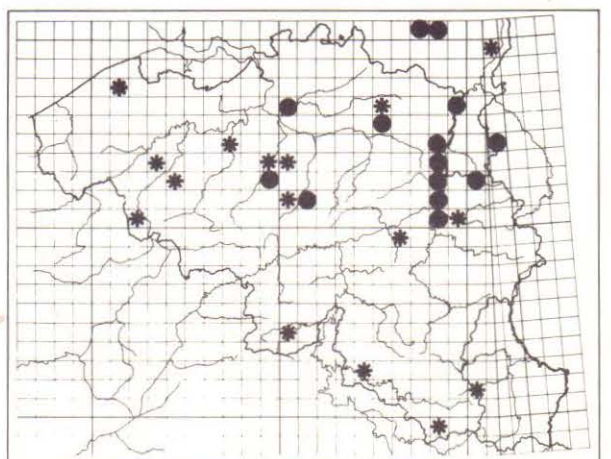
1708 - *Nomada distinguenda* MORAWITZ



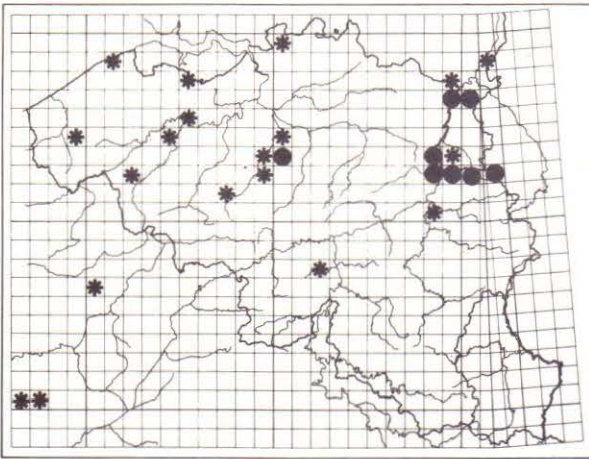
1709 - *Nomada emarginata* MORAWITZ



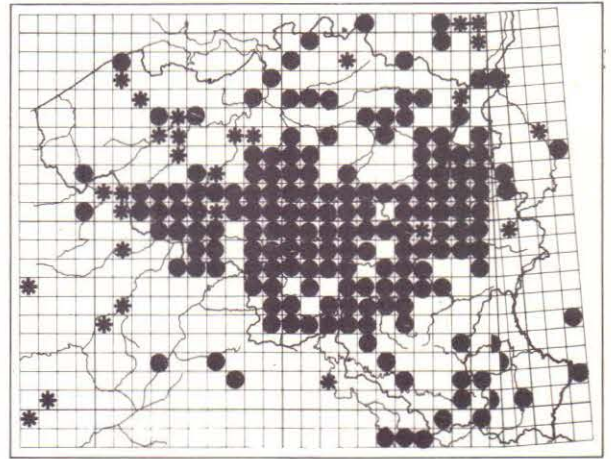
1710 - *Nomada fabriciana* (LINNE)



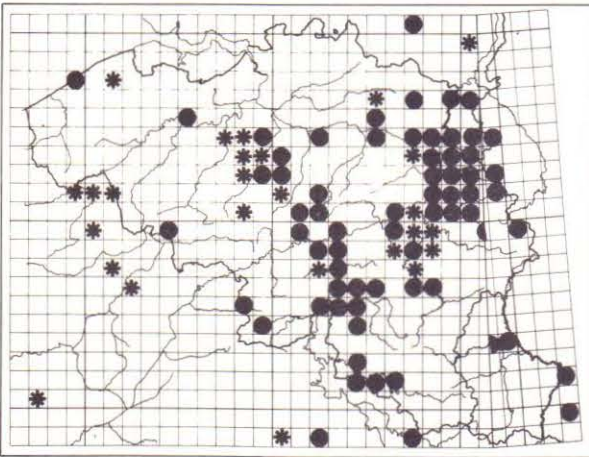
1711 - *Nomada femoralis* MORAWITZ



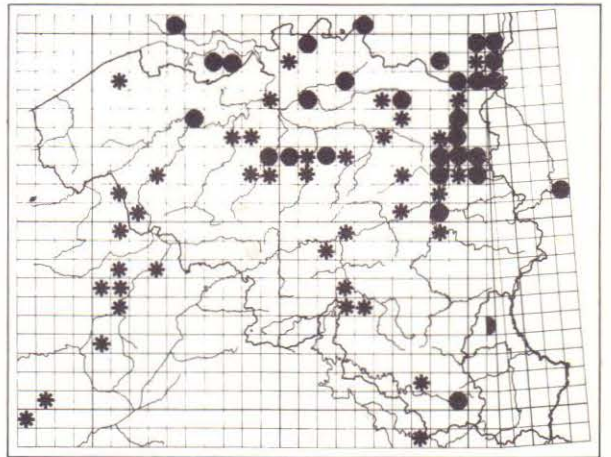
1712 - *Nomada ferruginata* (LINNE)



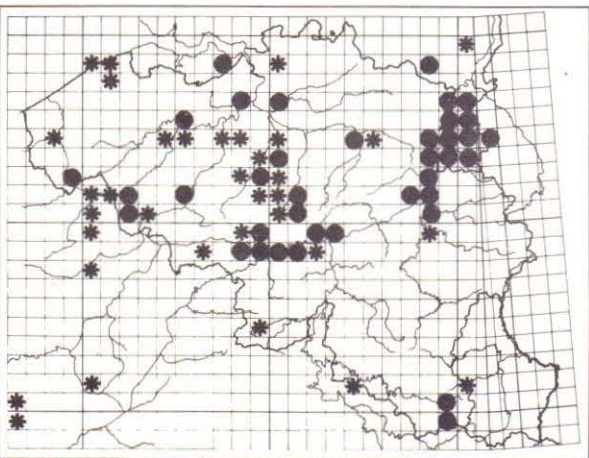
1713 - *Nomada flava* PANZER



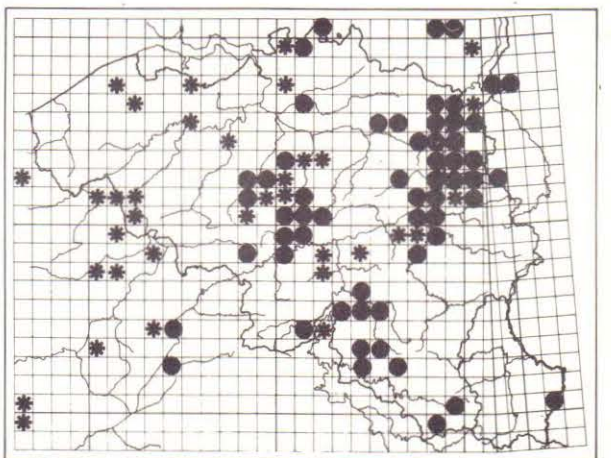
1714 - *Nomada flavoguttata* (KIRBY)



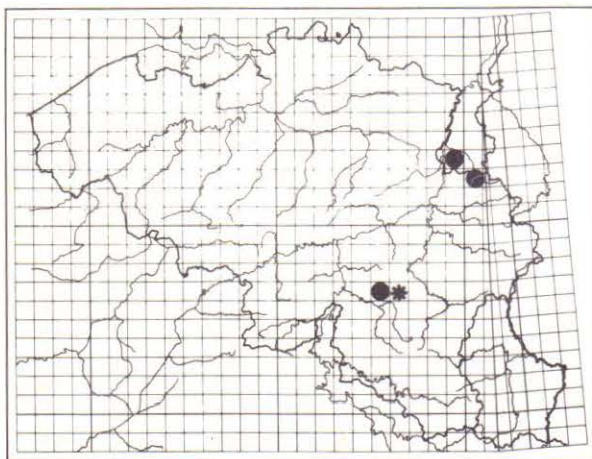
1715 - *Nomada flavopicta* (KIRBY)



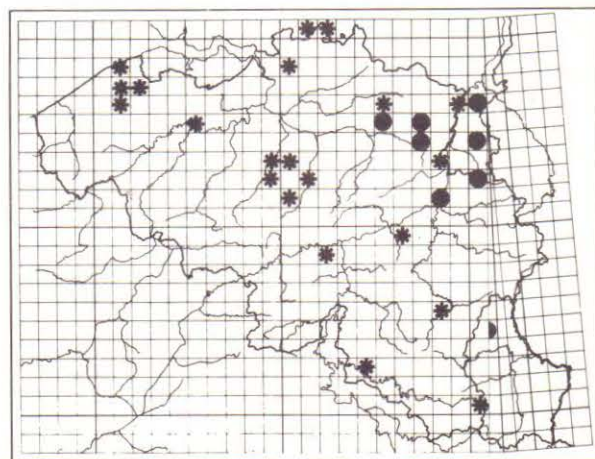
1716 - *Nomada fucata* PANZER



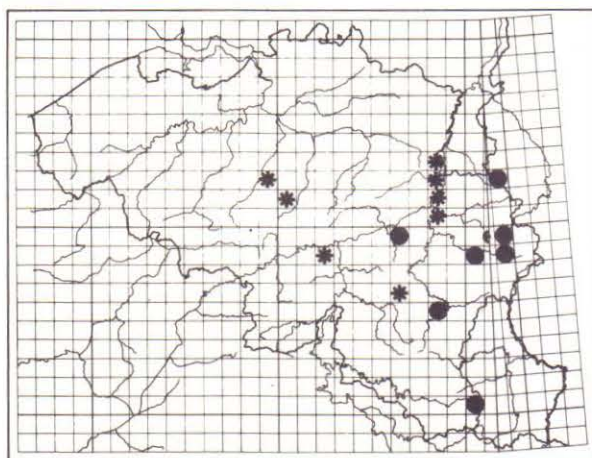
1717 - *Nomada fulvicornis* FABRICIUS in auct.



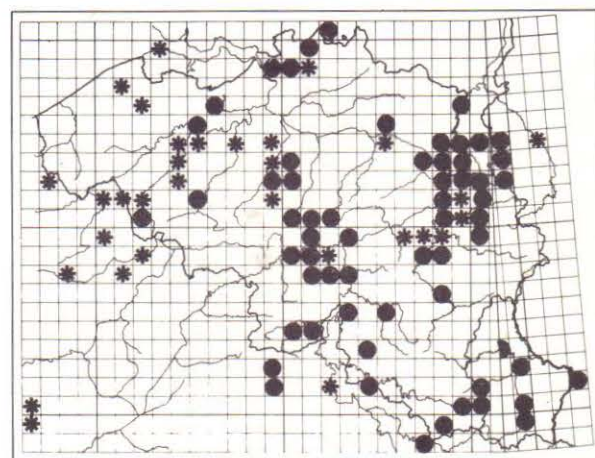
1718 - *Nomada furva* PANZER



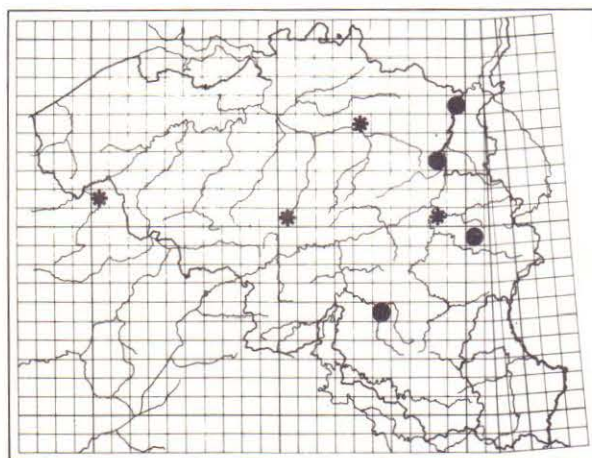
1719 - *Nomada fuscicornis* NYLANDER



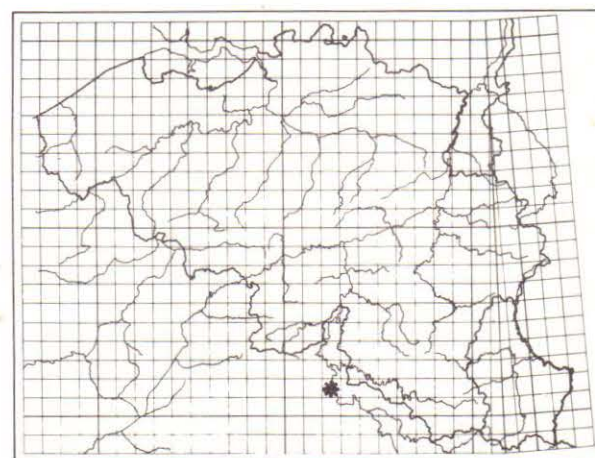
1720 - *Nomada glabella* THOMSON



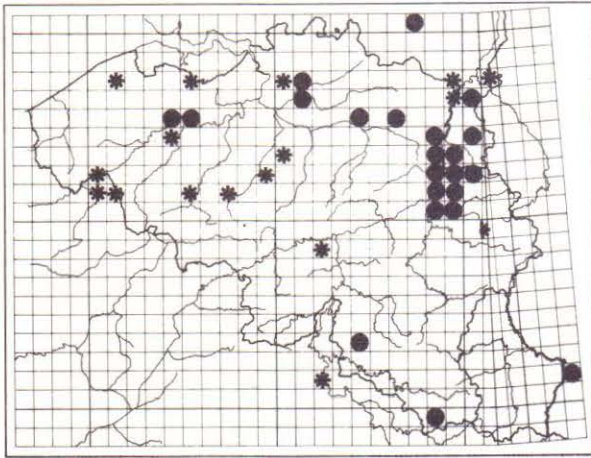
1721 - *Nomada goodeniana* (KIRBY)



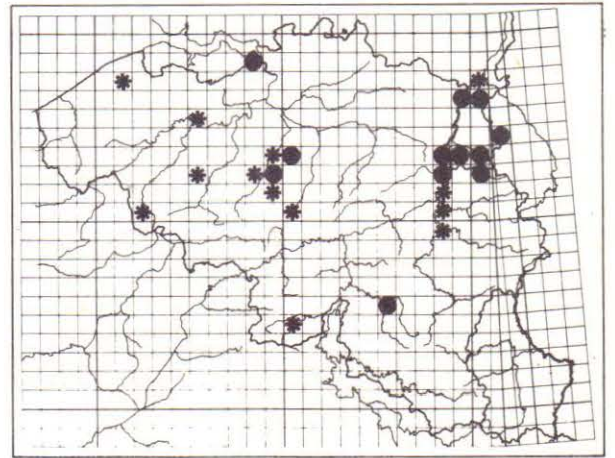
1722 - *Nomada guttulata* SCHENCK



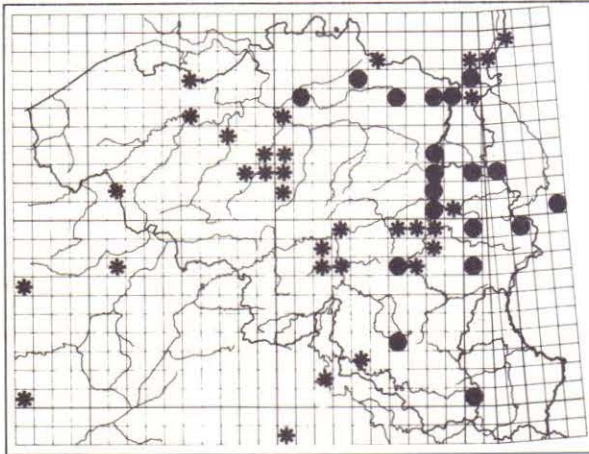
1722 bis - *Nomada hirtipes* PEREZ



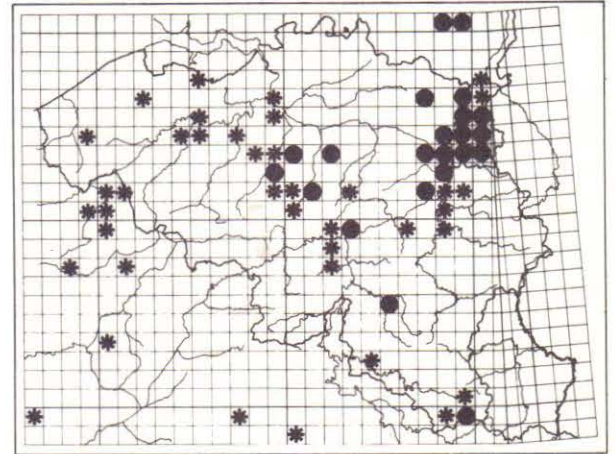
1723 - *Nomada lathburiana* (KIRBY)



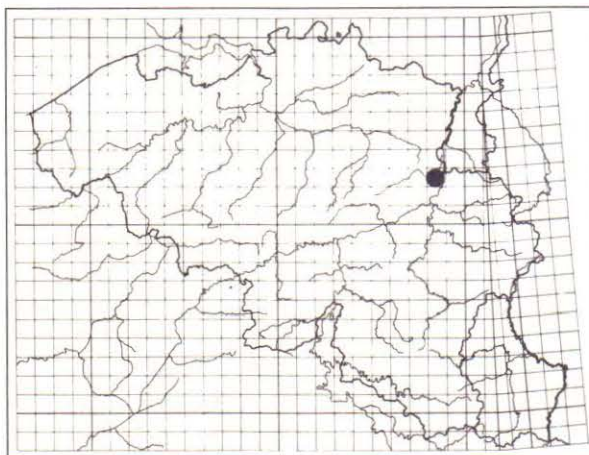
1724 - *Nomada lepeletieri* PEREZ



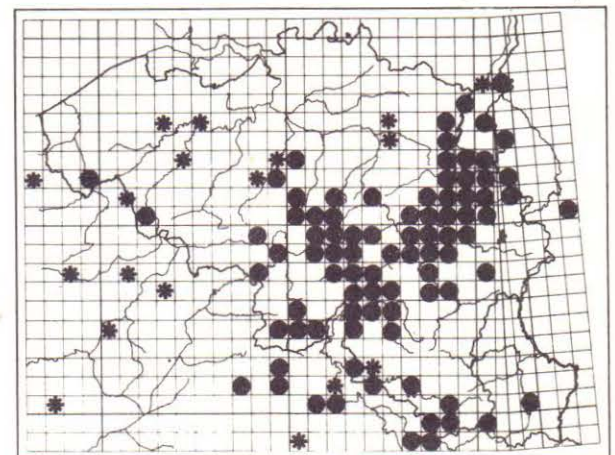
1725 - *Nomada leucophthalma* (KIRBY)



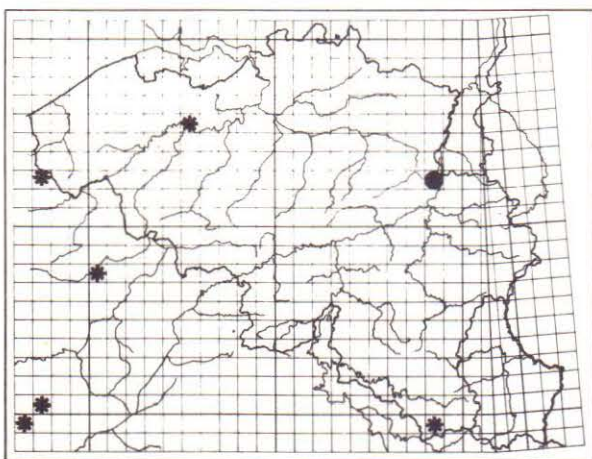
1726 - *Nomada lineola* PANZER



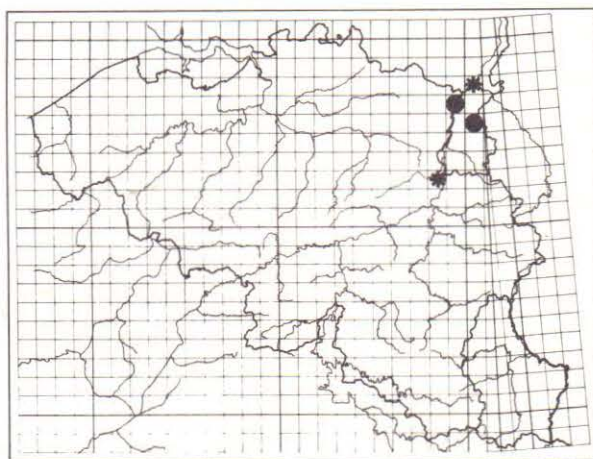
1727 - *Nomada major* MORAWITZ



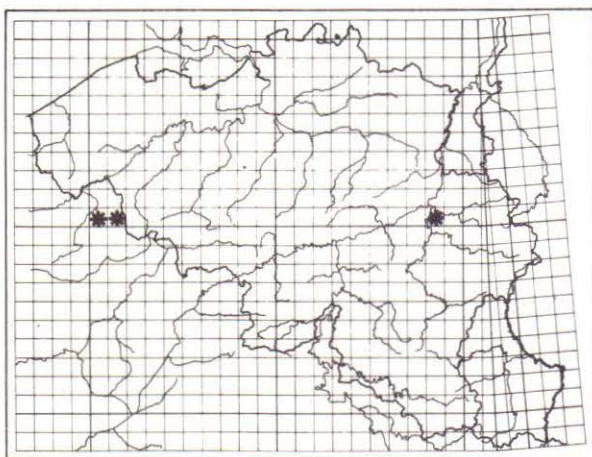
1728 - *Nomada marshamella* (KIRBY)



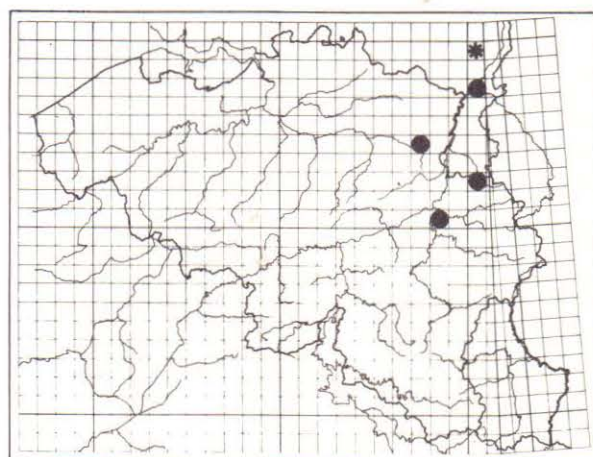
1729 - *Nomada melanothoracica* IMHOFF



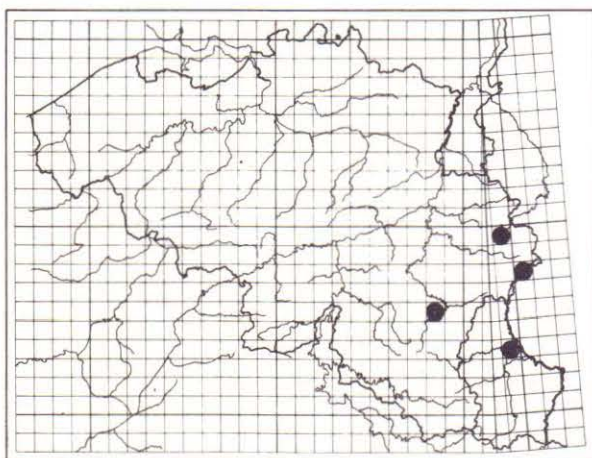
1730 - *Nomada mutabilis* MORAWITZ



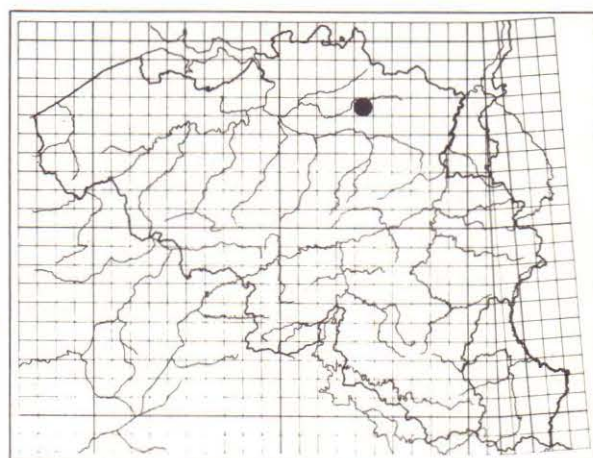
1731 - *Nomada mutica* MORAWITZ



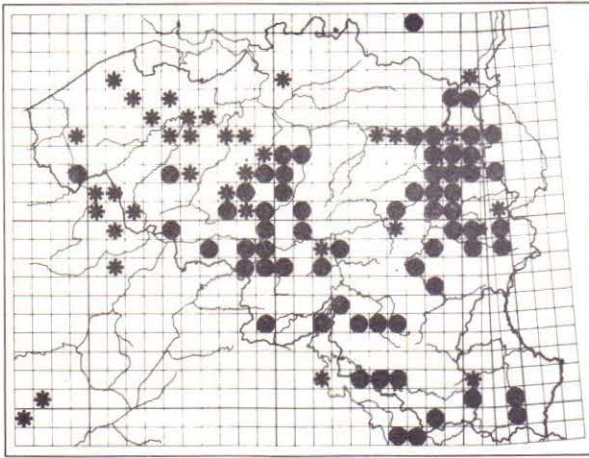
1732 - *Nomada obscura* ZETTERSTEDT



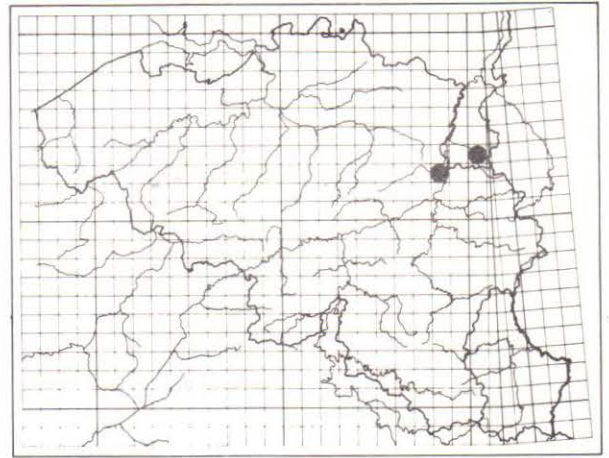
1733 - *Nomada obtusifrons* NYLANDER



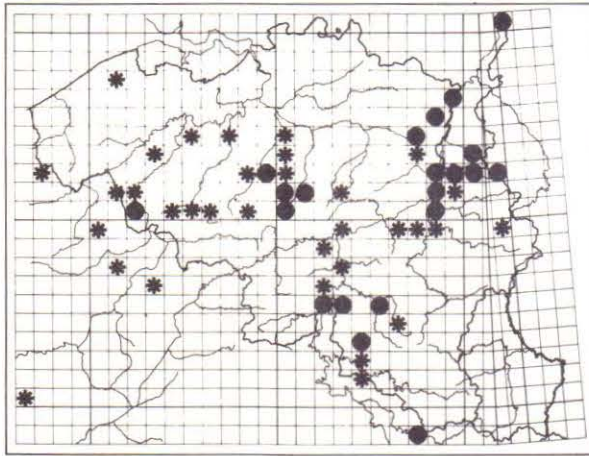
1734 - *Nomada opaca* ALFKEN



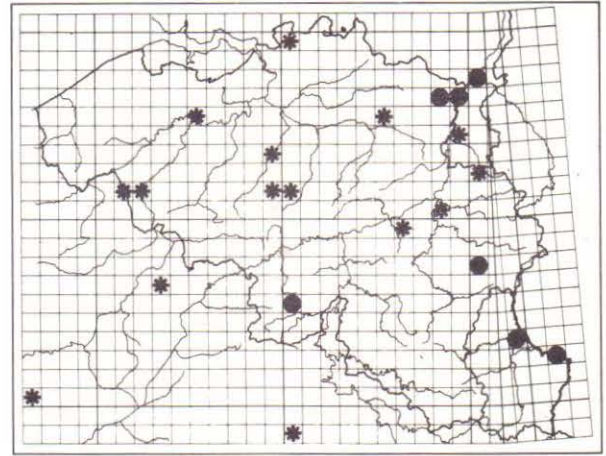
1735 - *Nomada panzeri* LEPELETIER



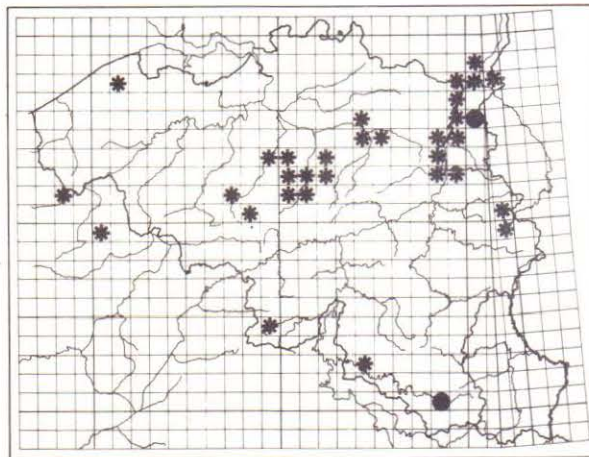
1736 - *Nomada picciolana* MAGRETTI ssp. *jurassica*
E.STOECKHERT



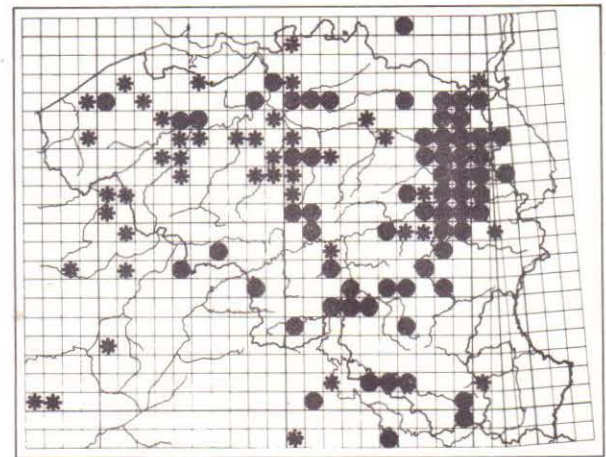
1737 - *Nomada pleurosticta* HERRICH-SCHÄFFER



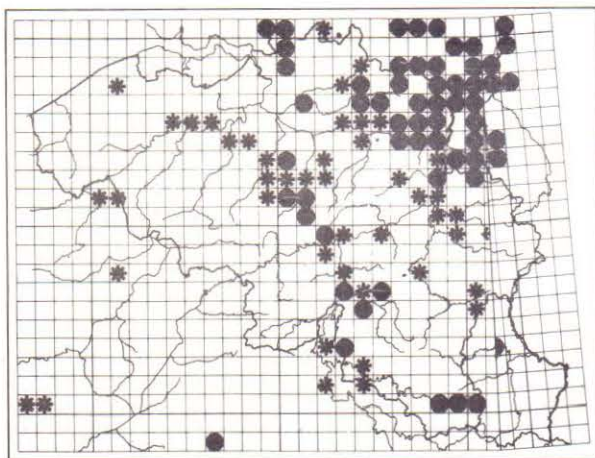
1738 - *Nomada rhenana* MORAWITZ



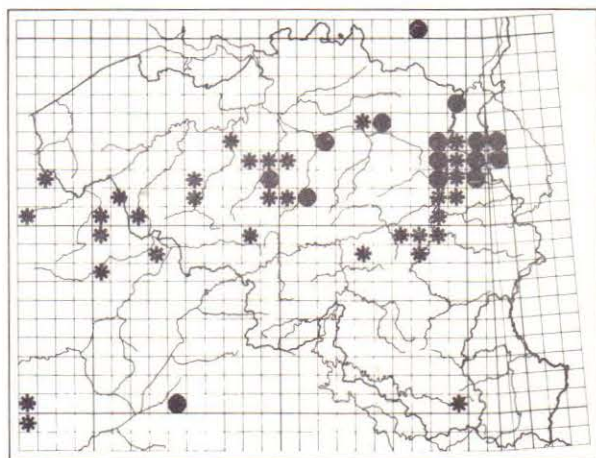
1739 - *Nomada roberjeotiana* PANZER



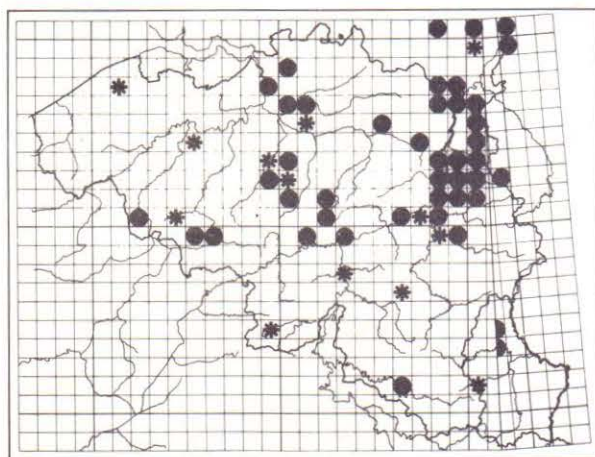
1740 - *Nomada ruficornis* (LINNE)



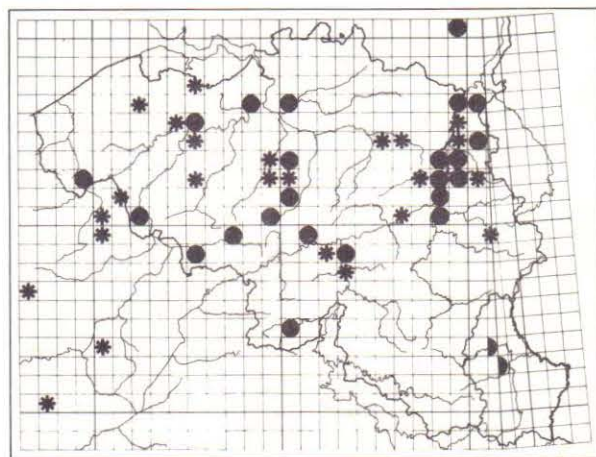
1741 - *Nomada rufipes* FABRICIUS



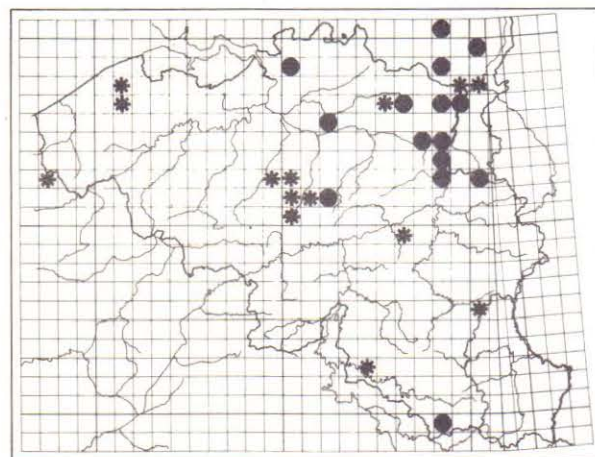
1742 - *Nomada sexfasciata* PANZER



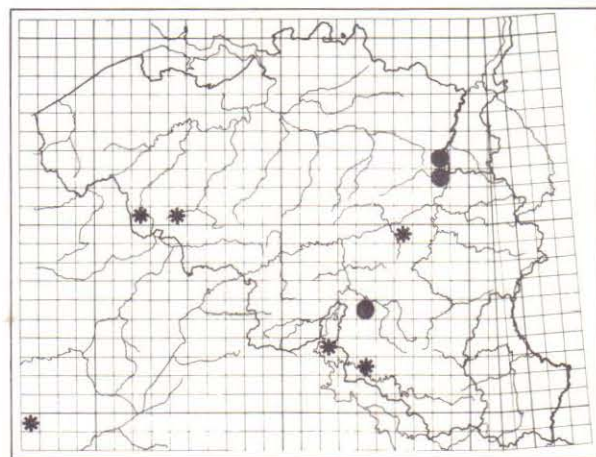
1743 - *Nomada sheppardana* (KIRBY)



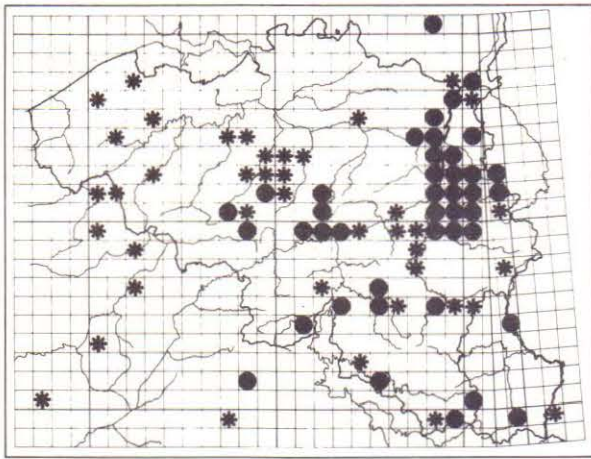
1744 - *Nomada signata* JURINE



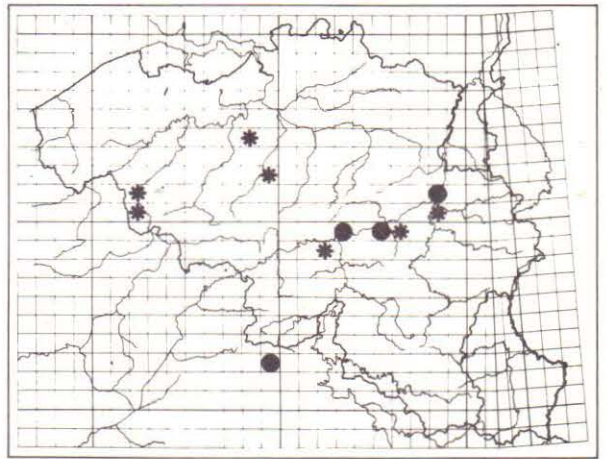
1745 - *Nomada similis* MORAWITZ



1746 - *Nomada stigma* FABRICIUS



1747 - *Nomada striata* FABRICIUS

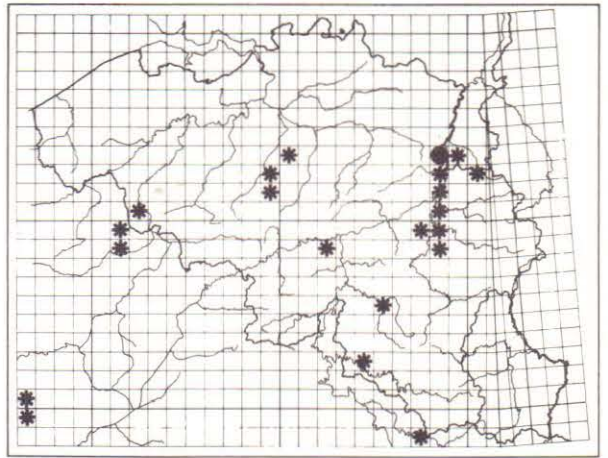


1748 - *Nomada villosa* THOMSON

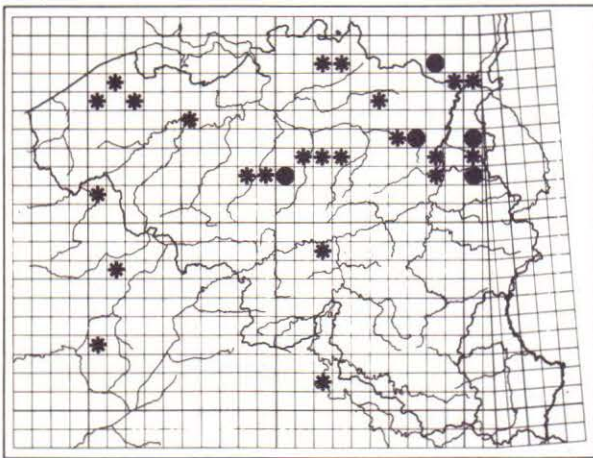
Cartes 1749 - 1782

Hymenoptera Apoidea
Anthophora, Osmia,
Halictidae suppl.

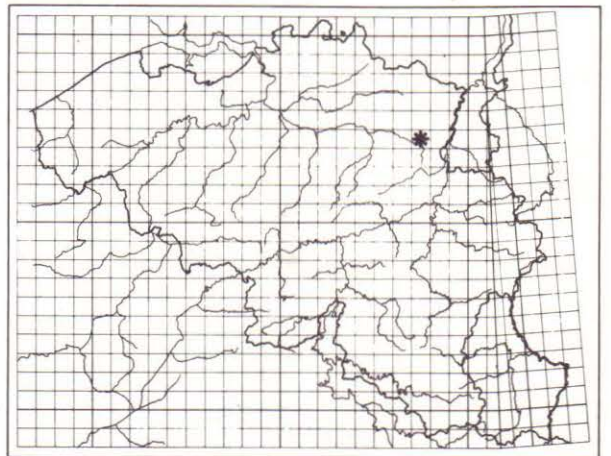
par Alain PAULY



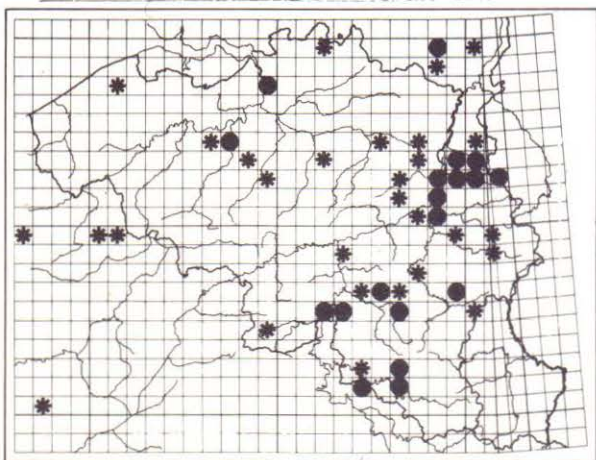
1749 - *Anthophora aestivalis* (PANZER)



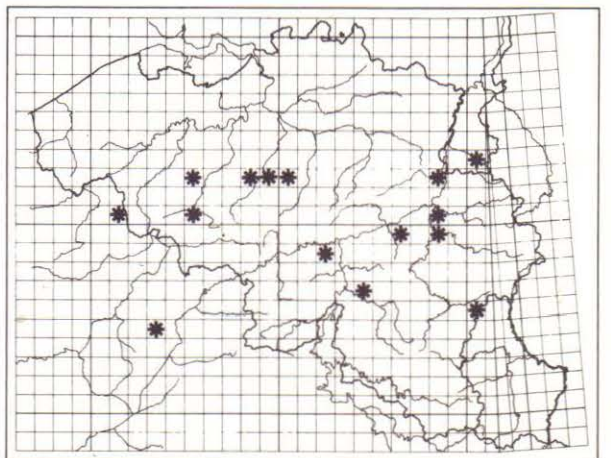
1750 - *Anthophora bimaculata* (PANZER)



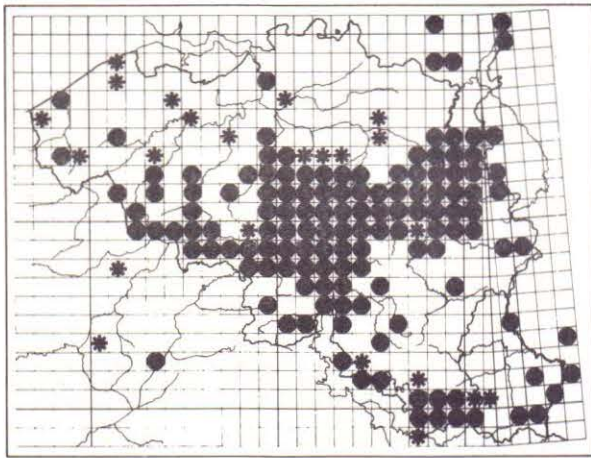
1751 - *Anthophora borealis* MORAWITZ



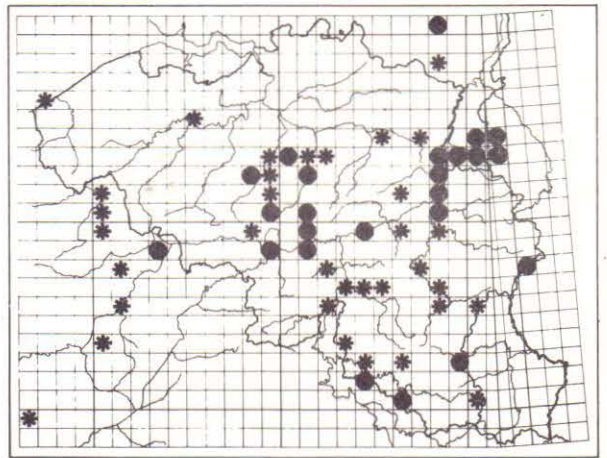
1752 - *Anthophora furcata* (PANZER)



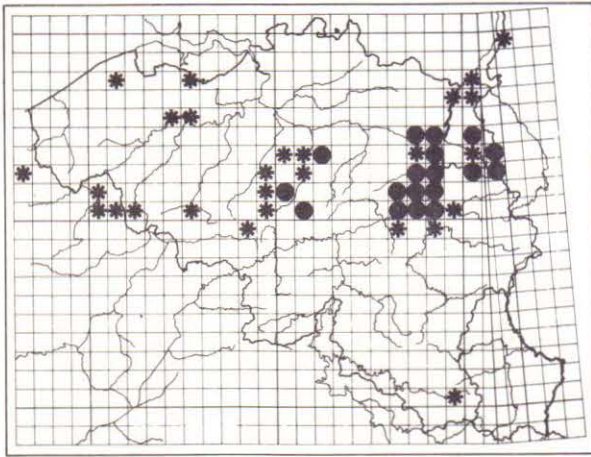
1753 - *Anthophora plagiata* (ILLIGER)



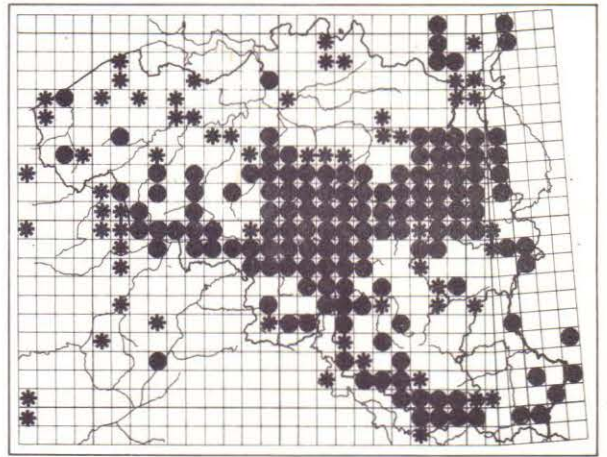
1754 - *Anthophora plumipes* (PALLAS)



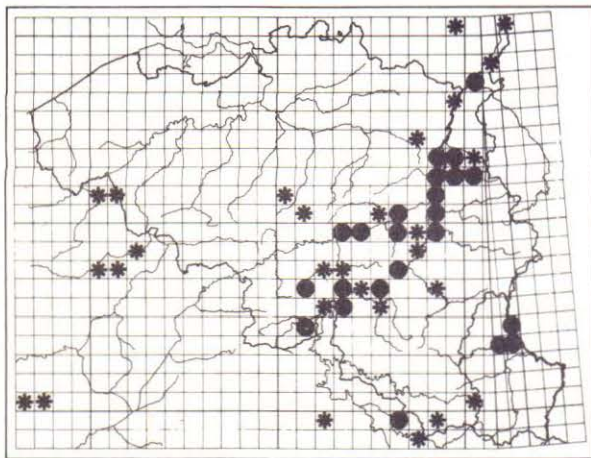
1755 - *Anthophora quadrimaculata* (PANZER)



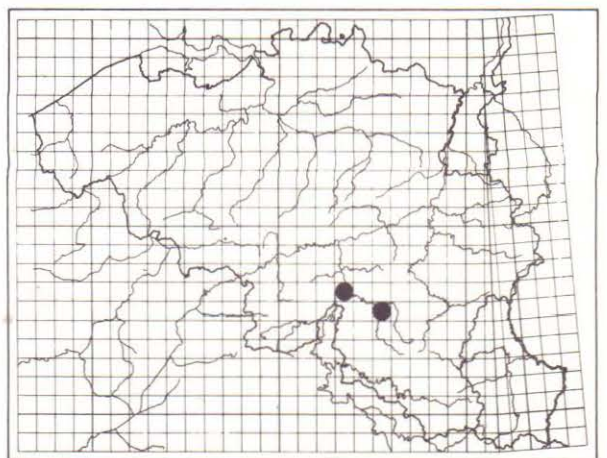
1756 - *Anthophora retusa* (LINNE)



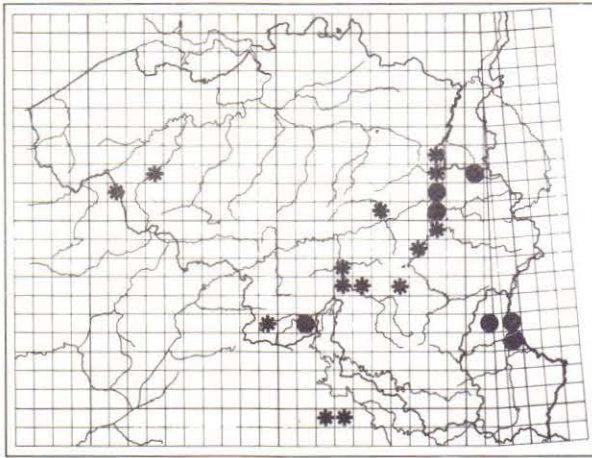
1756 bis - Somme des données concernant le genre *Anthophora*



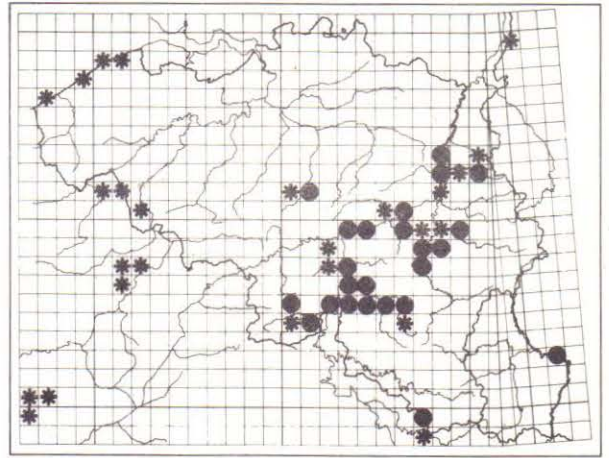
1757 - *Osmia adunca* (PANZER)



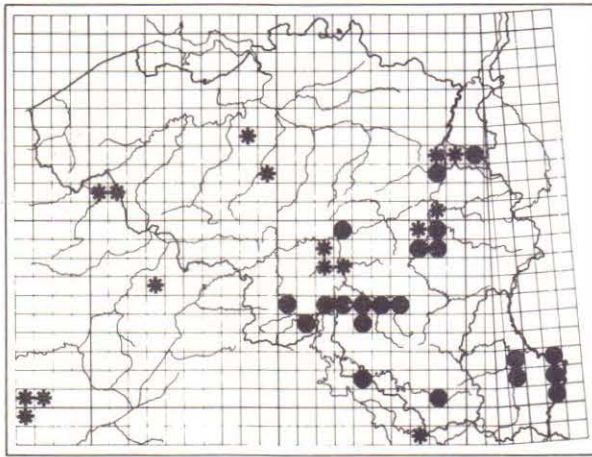
1758 - *Osmia andrenoides* SPINOLA



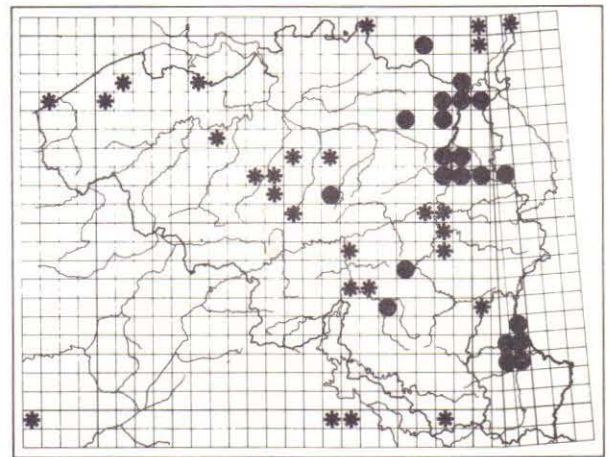
1759 - *Osmia anthocopoides* SCHENCK



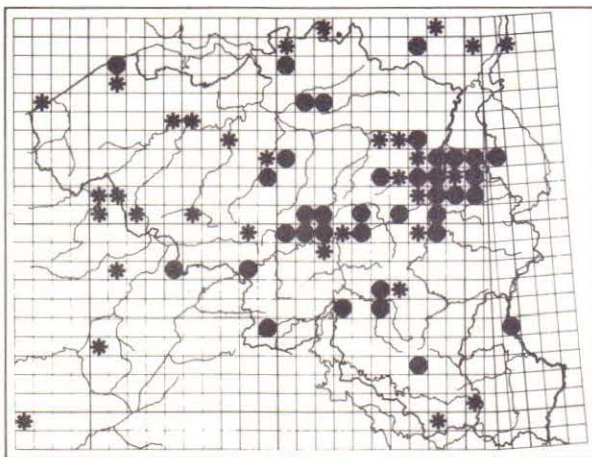
1760 - *Osmia aurulenta* (PANZER)



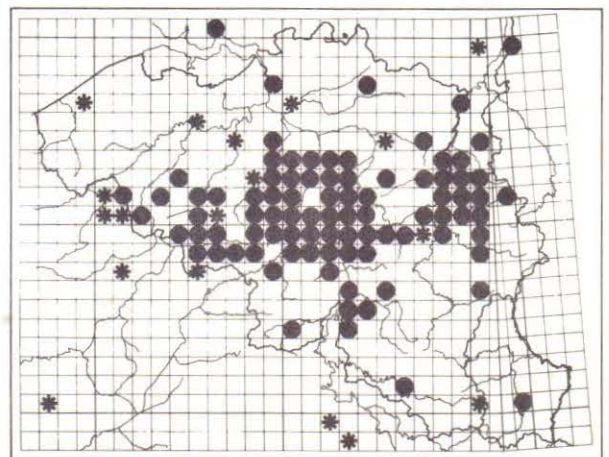
1761 - *Osmia bicolor* (SCHRANK)



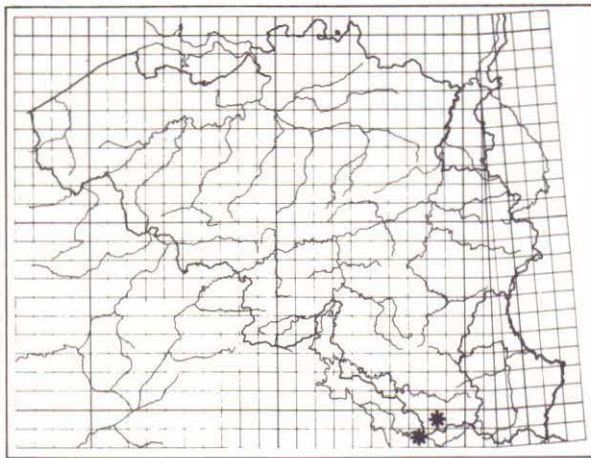
1762 - *Osmia claviventris* THOMSON



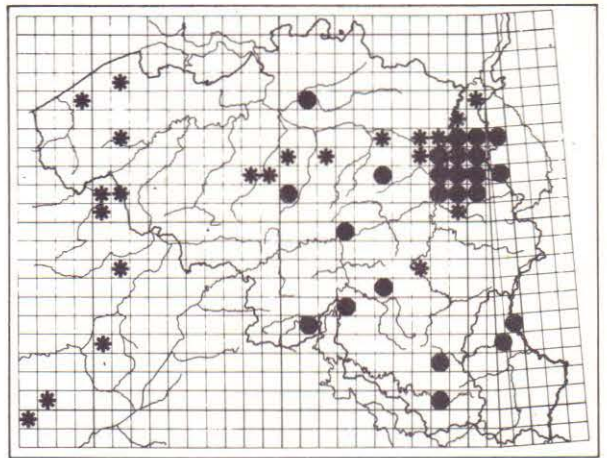
1763 - *Osmia coerulescens* (LINNE)



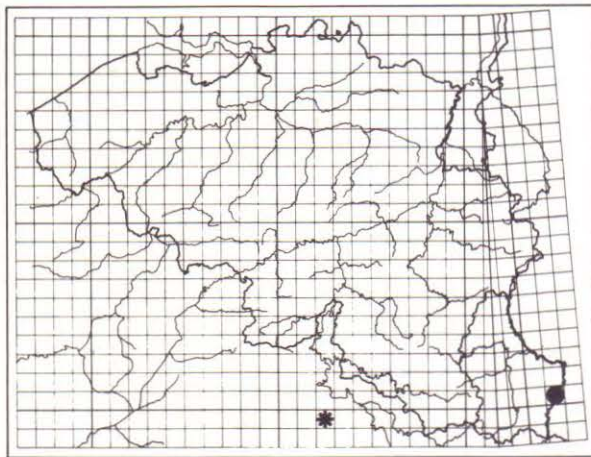
1764 - *Osmia cornuta* (LATREILLE)



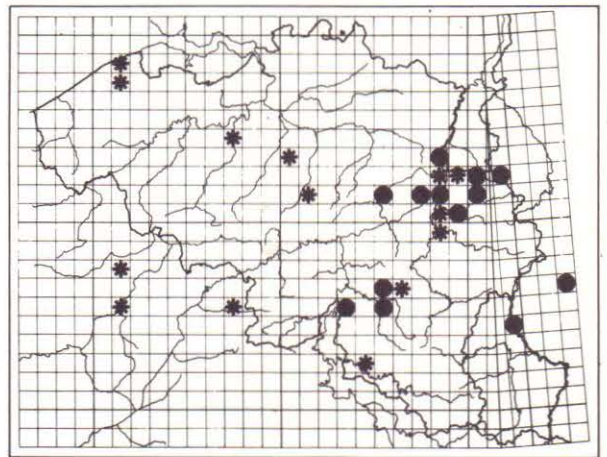
1765 - *Osmia emarginata* LEPELETIER



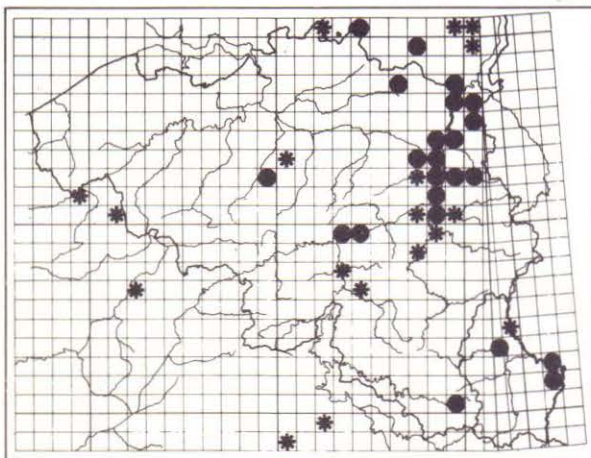
1766 - *Osmia fulviventris* (PANZER)



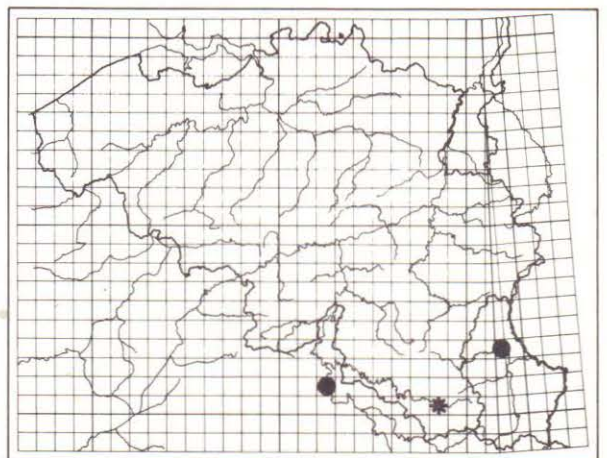
1767 - *Osmia gallarum* SPINOLA



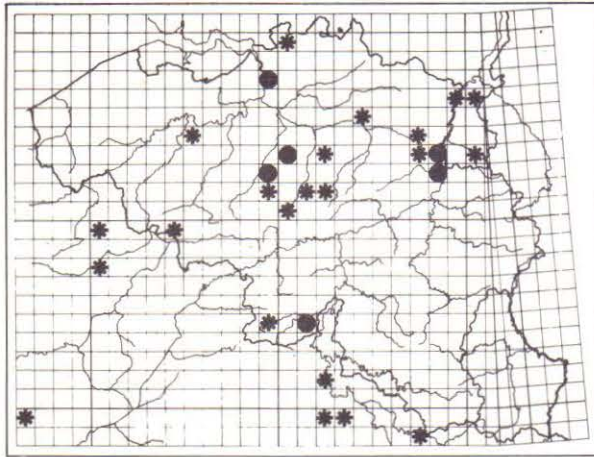
1768 - *Osmia leaiana* (KIRBY)



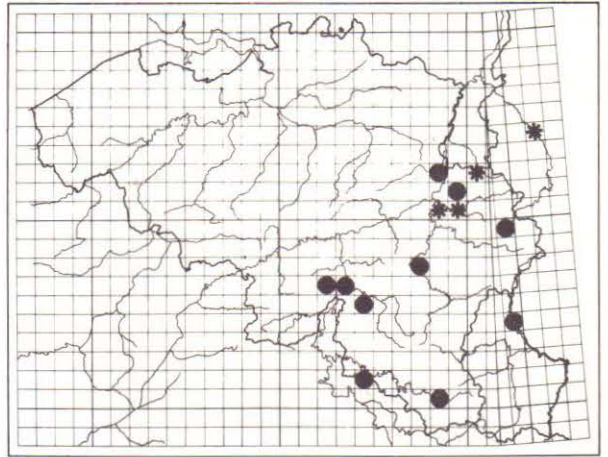
1769 - *Osmia leucomelana* (KIRBY)



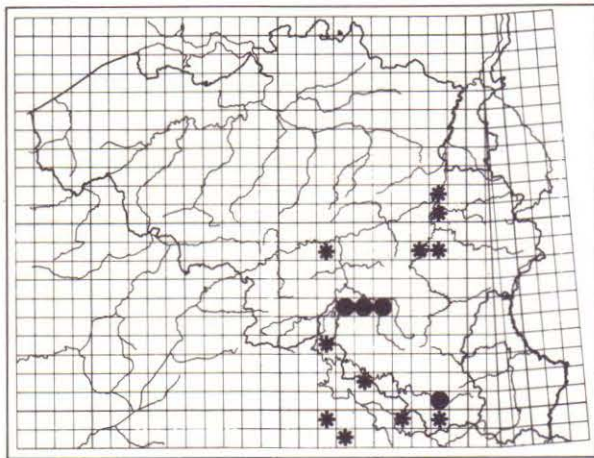
1770 - *Osmia mitis* NYLANDER



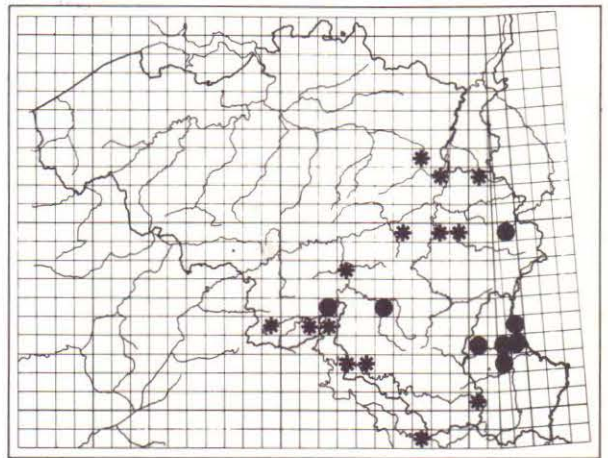
1771 - *Osmia papaveris* (LATREILLE)



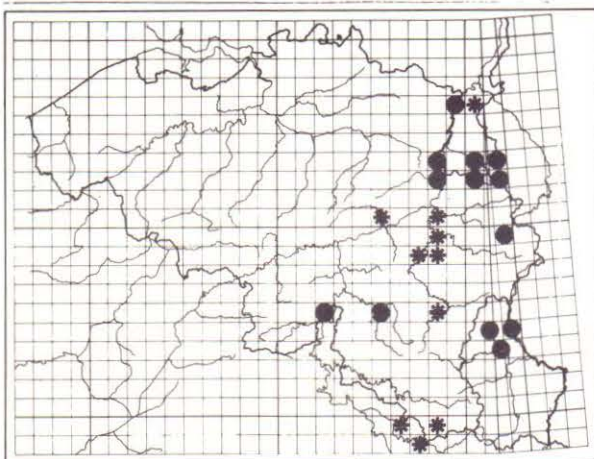
1772 - *Osmia parietina* CURTIS



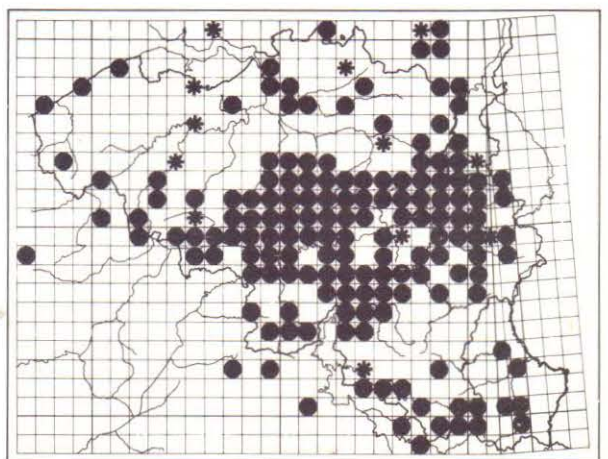
1773 - *Osmia pilicornis* SMITH



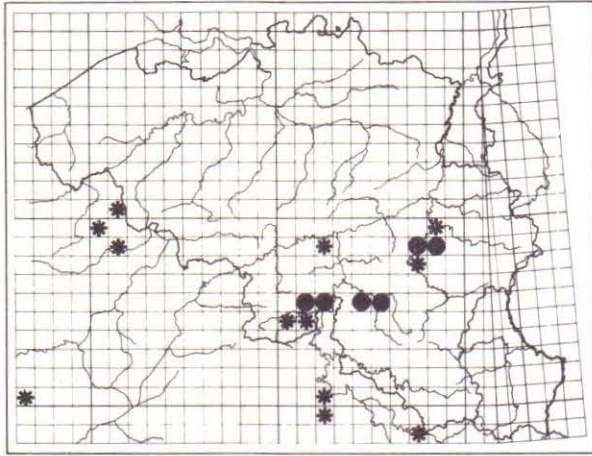
1774 - *Osmia platycera* GERSTAECKER



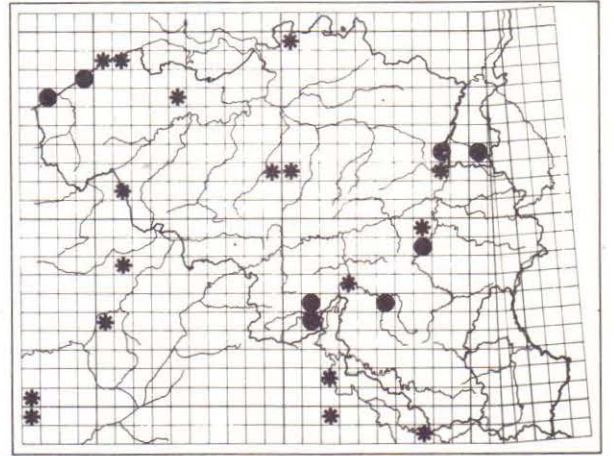
1775 - *Osmia ravouxi* PEREZ



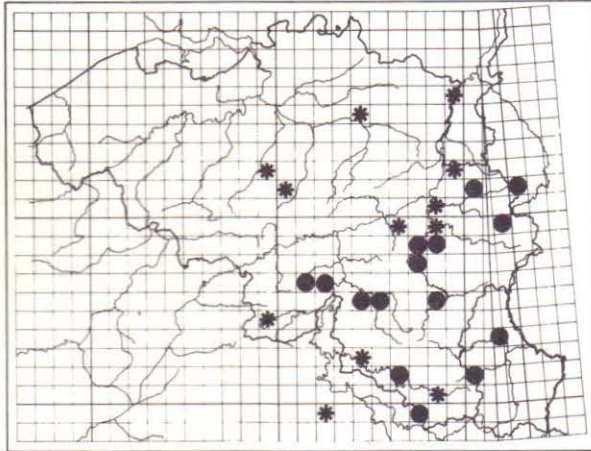
1776 - *Osmia rufa* (LINNE)



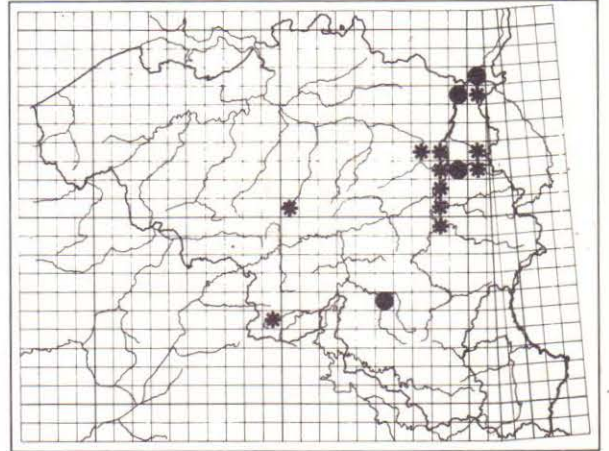
1777 - *Osmia rufohirta* LATREILLE



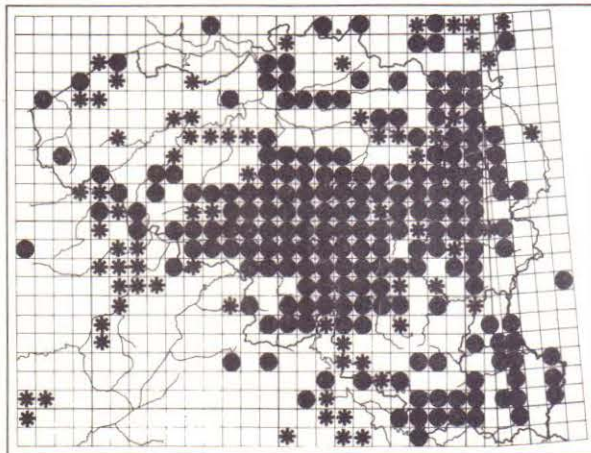
1778 - *Osmia spinulosa* (KIRBY)



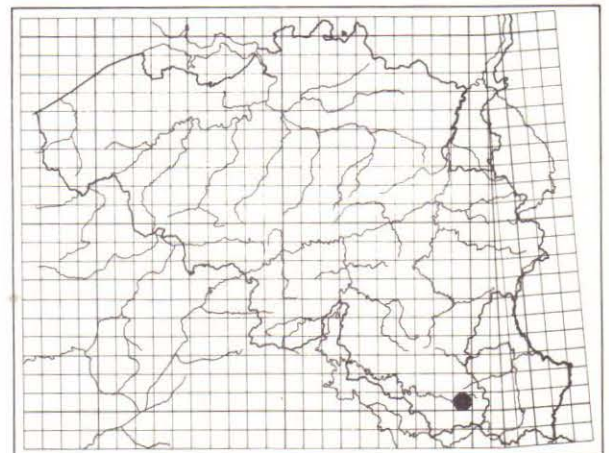
1779 - *Osmia uncinata* GERSTAECKER



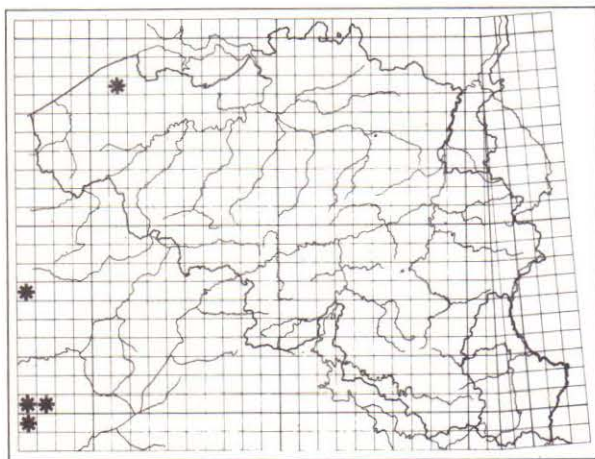
1780 - *Osmia xanthomelana* (KIRBY)



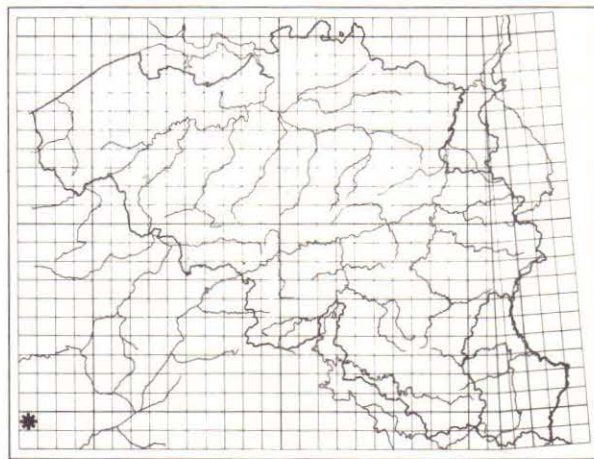
1780 bis - Somme des données concernant le genre *Osmia*



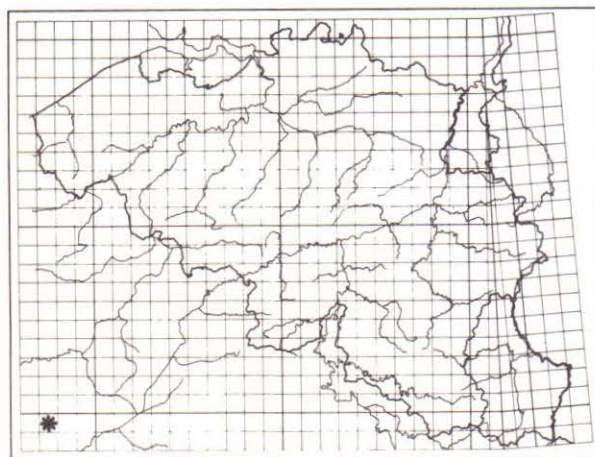
1781 - *Lasioglossum* (*Evylaeus*) *convexiusculum* (SCHENCK)



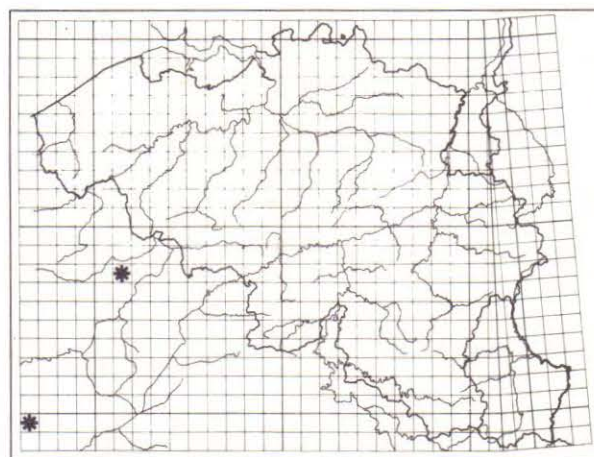
1782 - *Lasioglossum (Evylaeus) nigripes* (LEPELETIER)



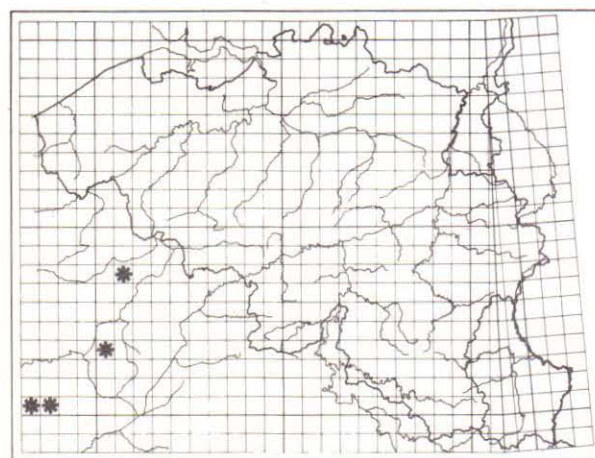
1782 a - *Lasioglossum (Evylaeus) aeratum* (KIRBY)



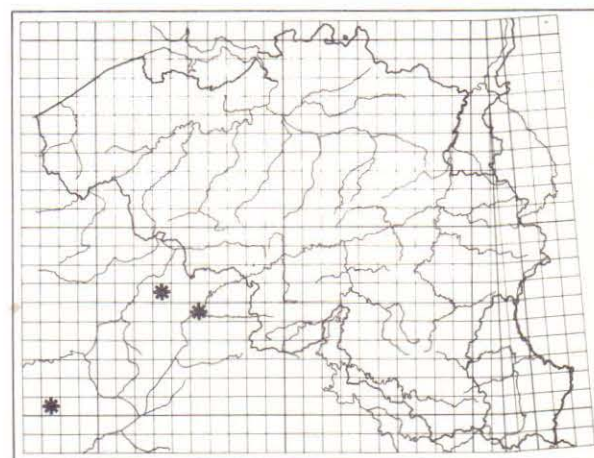
1782 b - *Lasioglossum (Evylaeus) marginellum* (SCHENCK)



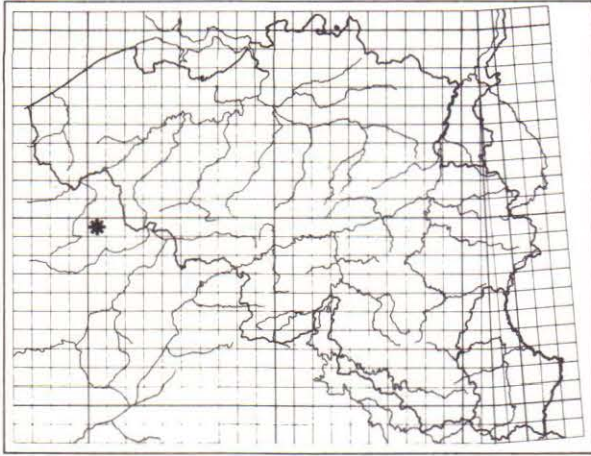
1782 c - *Lasioglossum (Evylaeus) quadristigatum* (SCHENCK)



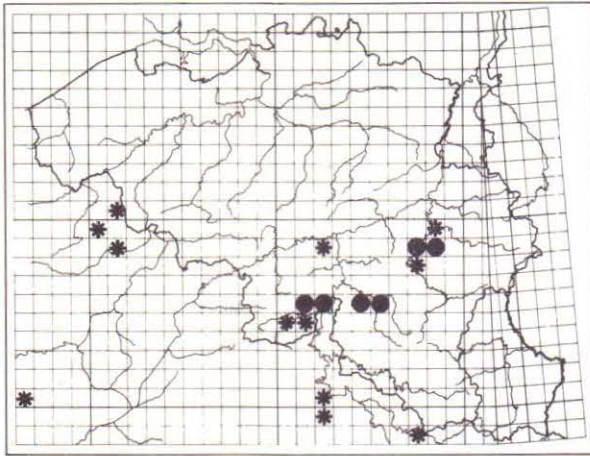
1782 d - *Lasioglossum (Lasioglossum) major* (NYLANDER)



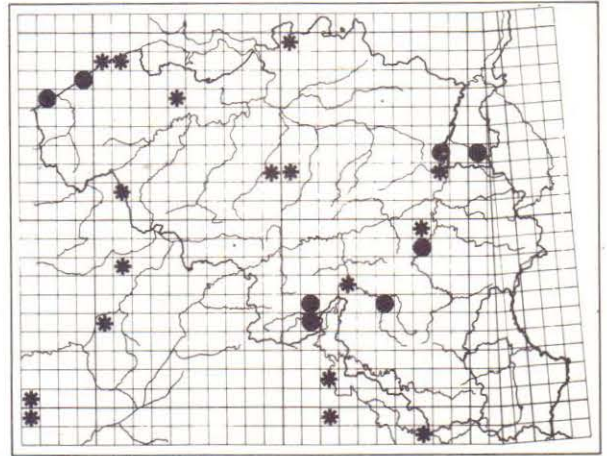
1782 e - *Lasioglossum (Lasioglossum) pallens* (BRULLE)



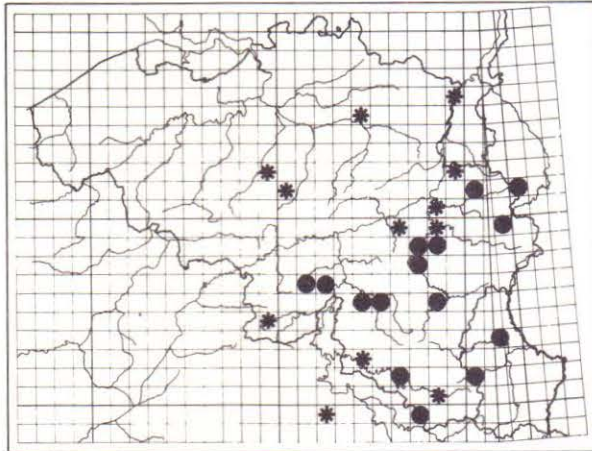
1782 f - Halictus (Halictus) patellatus (MORAWITZ)



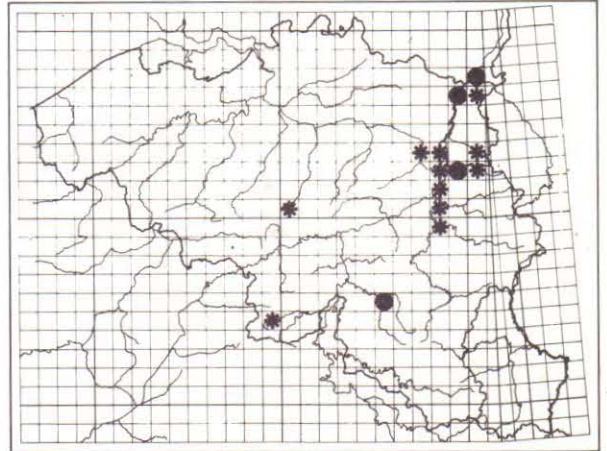
1777 - *Osmia rufohirta* LATREILLE



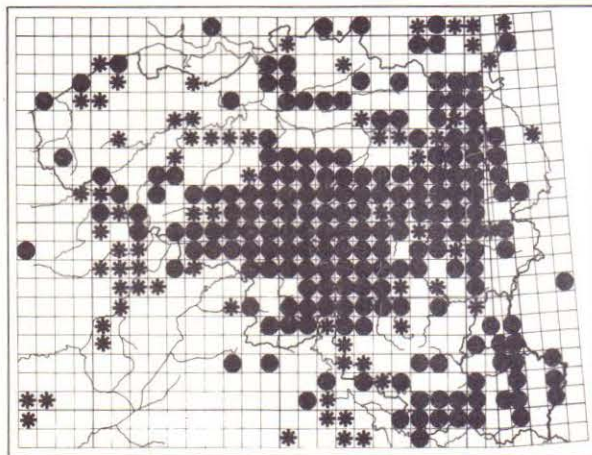
1778 - *Osmia spinulosa* (KIRBY)



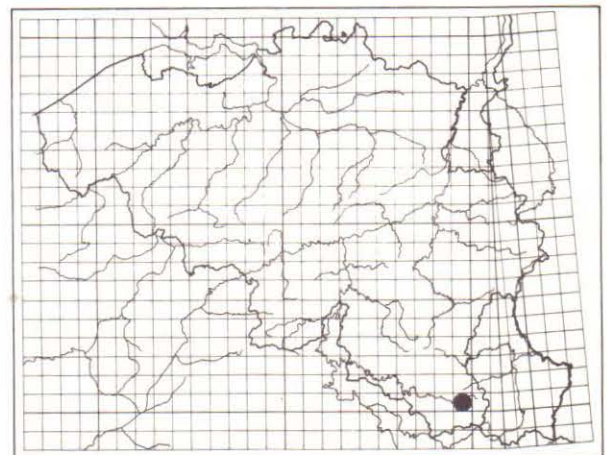
1779 - *Osmia uncinata* GERSTAECKER



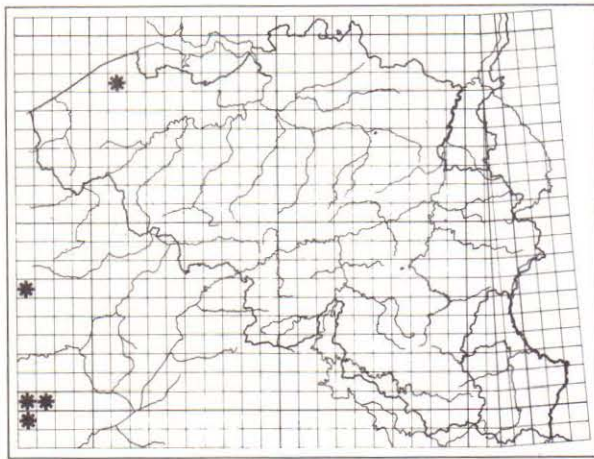
1780 - *Osmia xanthomelana* (KIRBY)



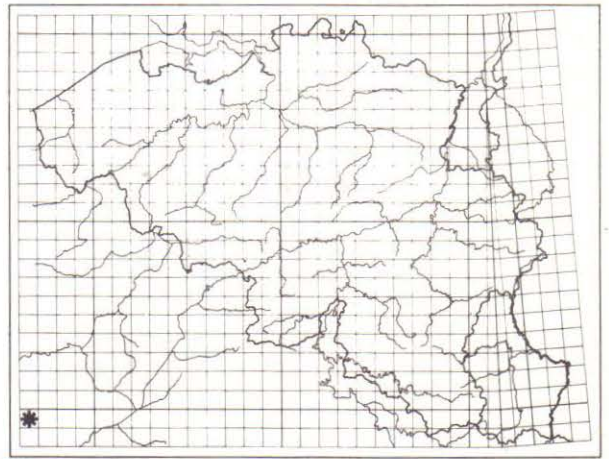
1780 bis - Somme des données concernant le genre *Osmia*



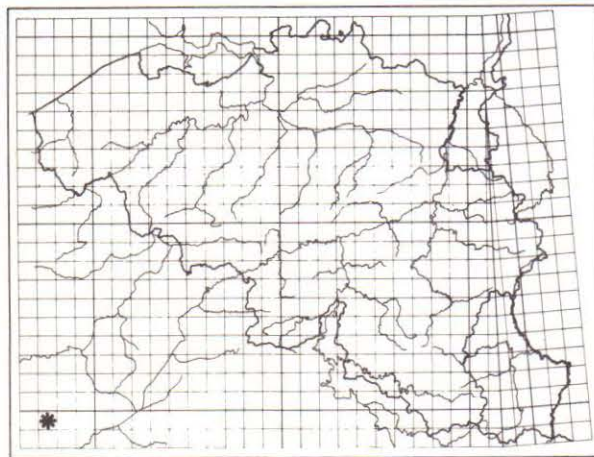
1781 - *Lasioglossum* (*Evylaeus*) *convexiusculum* (SCHENCK)



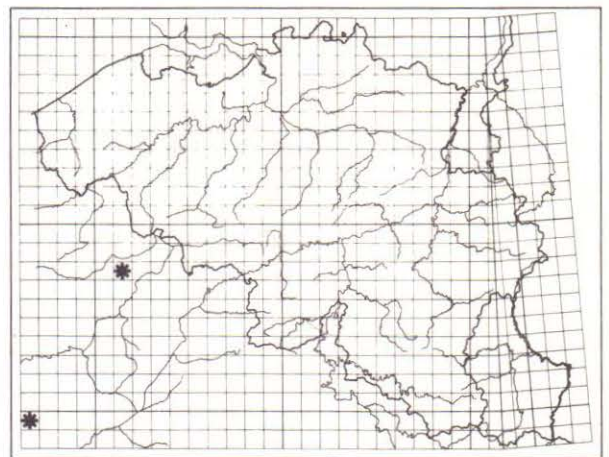
1782 - *Lasioglossum (Evylaeus) nigripes* (LEPELETIER)



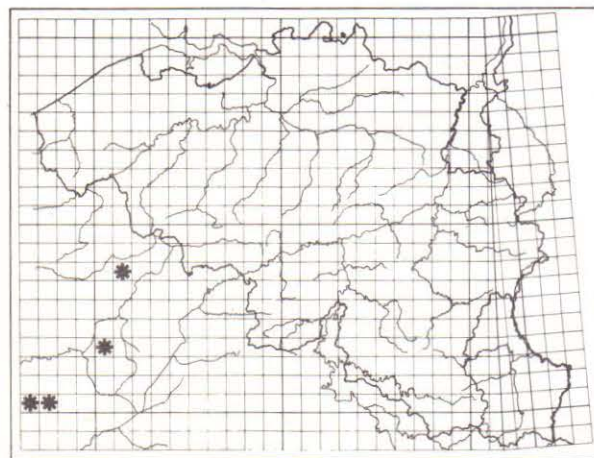
1782 a - *Lasioglossum (Evylaeus) aeratum* (KIRBY)



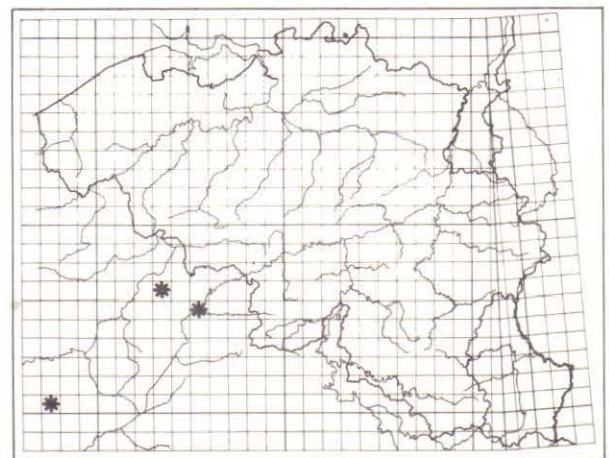
1782 b - *Lasioglossum (Evylaeus) marginellum* (SCHENCK)



1782 c - *Lasioglossum (Evylaeus) quadristigatum* (SCHENCK)



1782 d - *Lasioglossum (Lasioglossum) major* (NYLANDER)

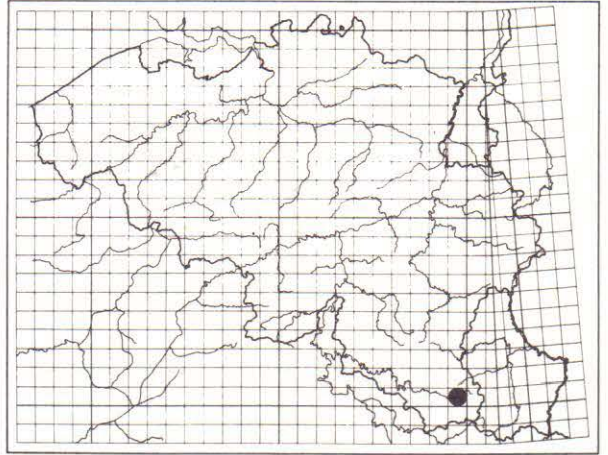


1782 e - *Lasioglossum (Lasioglossum) pallens* (BRULLE)

Carte 1783

Hymenoptera Apoidea Andrenidae

par Jean LECLERCO

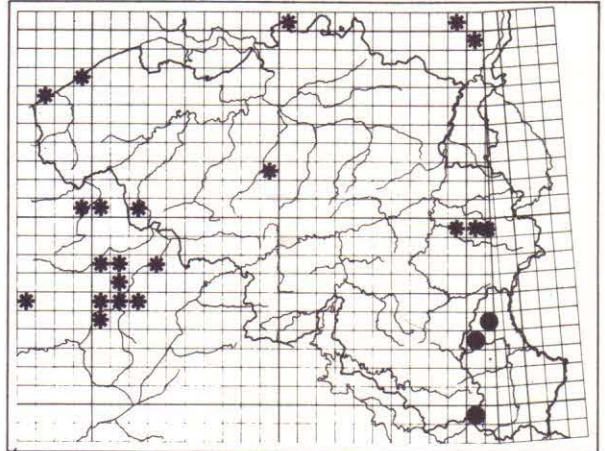


1783 - *Andrena barbareae* PANZER

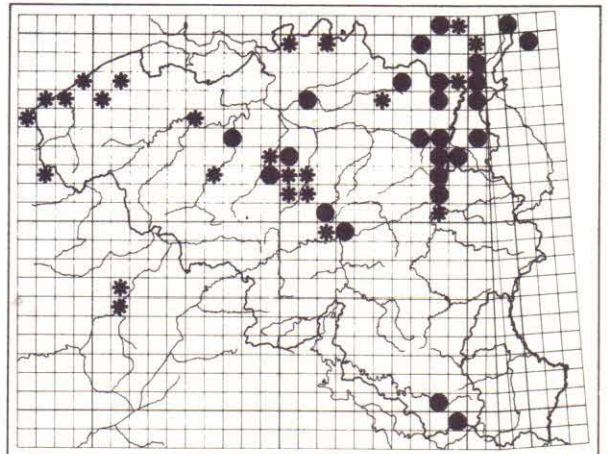
Cartes 1784 - 1785

Hymenoptera Mutillidae

par Pierre RASMONT et Alain PAÚLY



1784 - *Mutilla europaea* LINNE

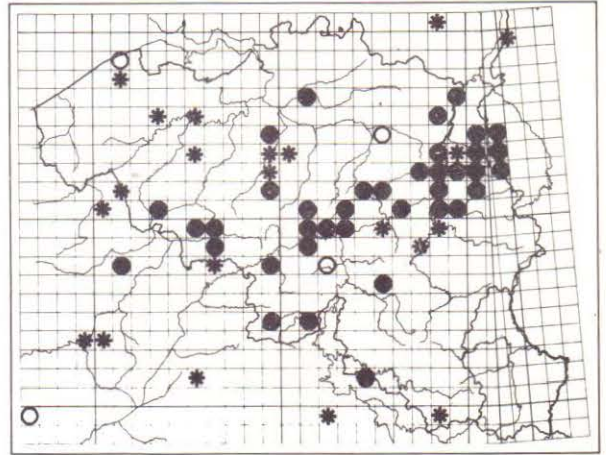


1785 - *Smicromyrme rufipes* (FABRICIUS)

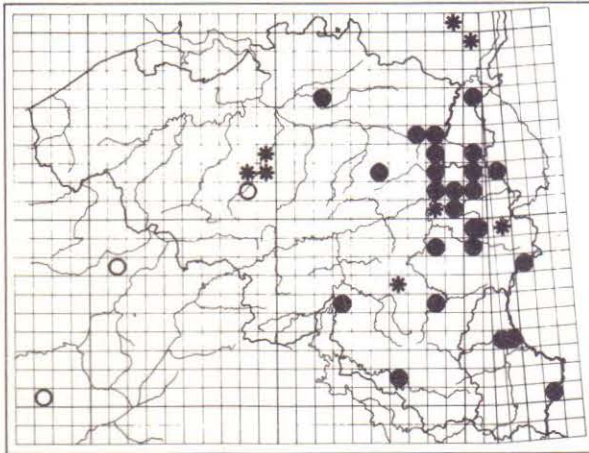
Cartes 1786 - 1800

Hymenoptera Apoidea
Chalicodoma
Megachile

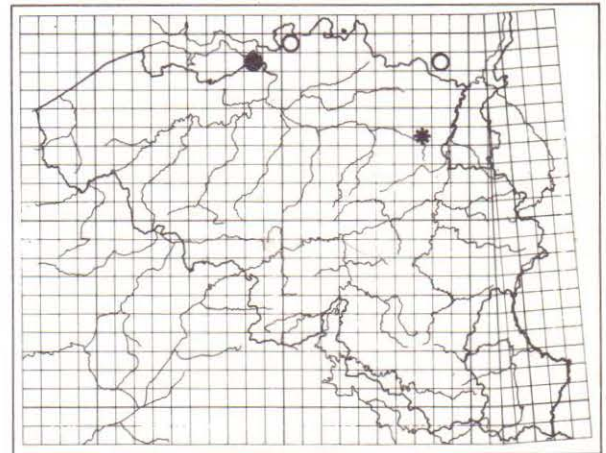
par LIONGO LI ENKULU



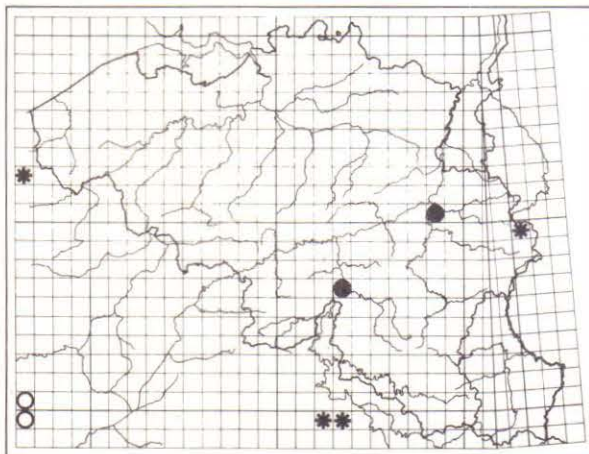
1786 - *Chalicodoma ericetorum* LEPELETIER



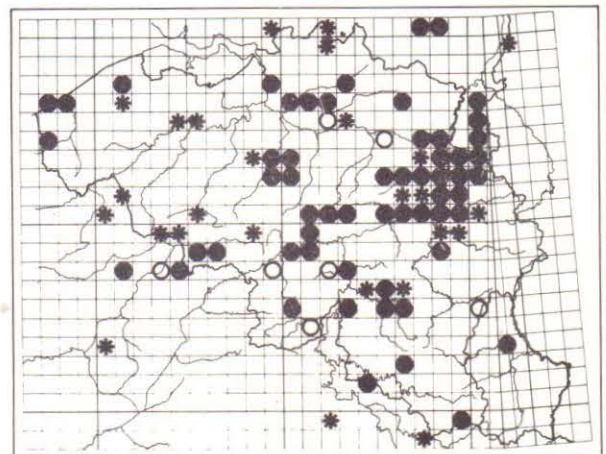
1787 - *Megachile alpicola* ALFKEN



1788 - *Megachile analis* NYLANDER



1789 - *Megachile buyssoni* PEREZ



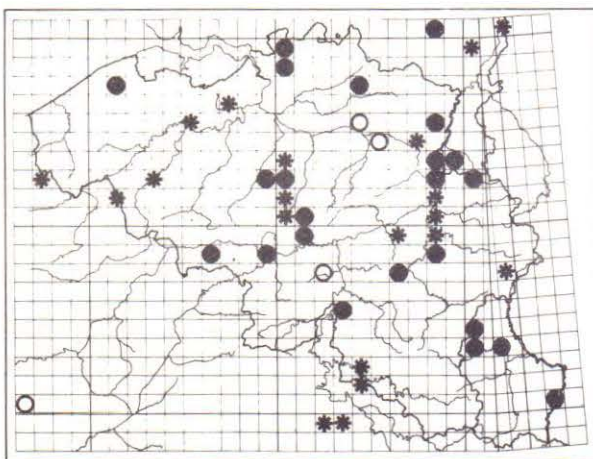
1790 - *Megachile centuncularis* (LINNE)

E R R A T A

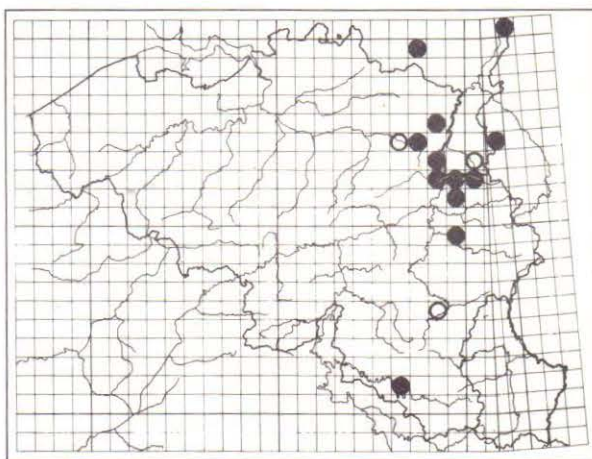
Cartes 1792 et 1793 inversées

Lire : 1792- *Megachile lapponica* (THOMSON)

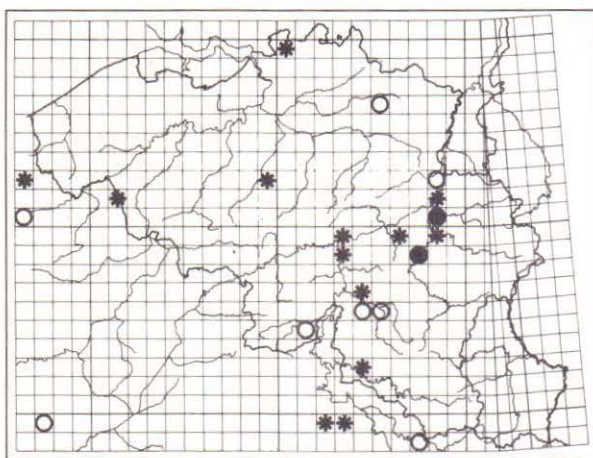
1793- *Megachile lagopoda* (LINNE)



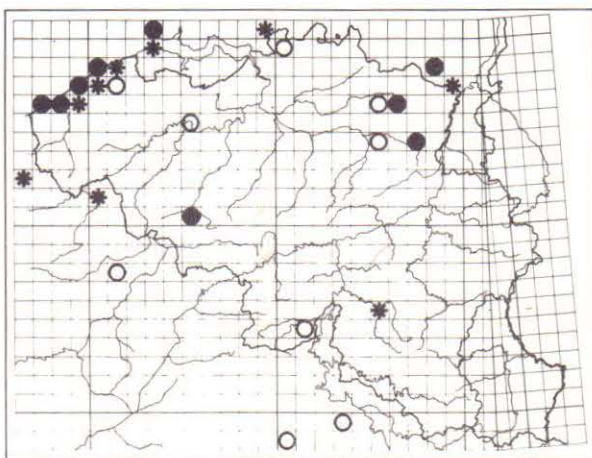
1791 - *Megachile circumcincta* (KIRBY)



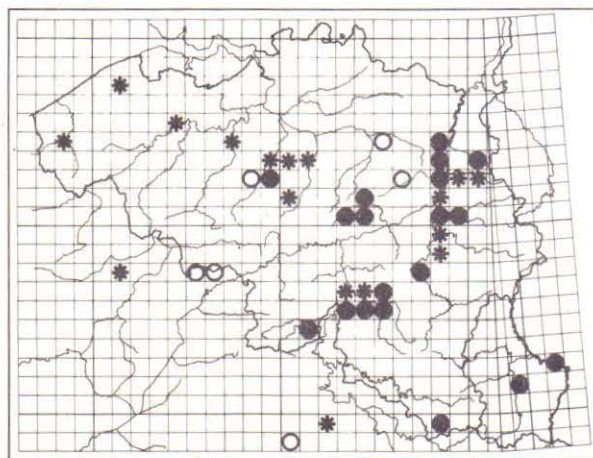
1792 - *Megachile lagopoda* (LINNE)



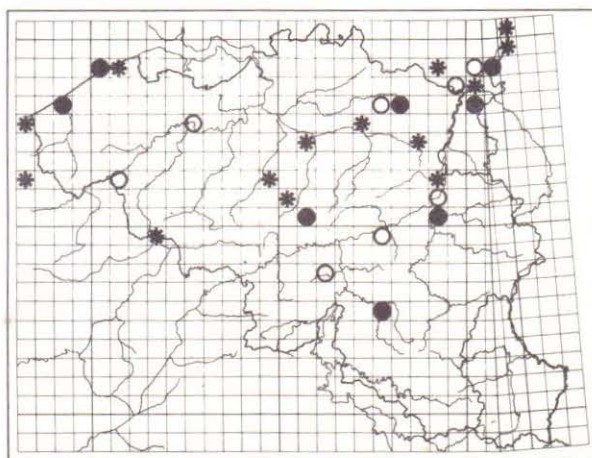
1793 - *Megachile lapponica* THOMSON



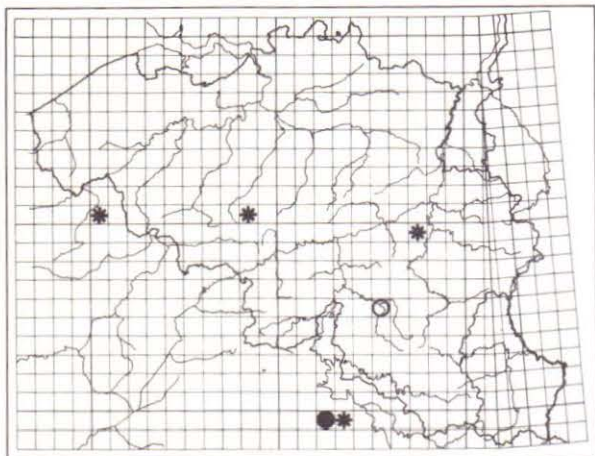
1794 - *Megachile leachella* CURTIS



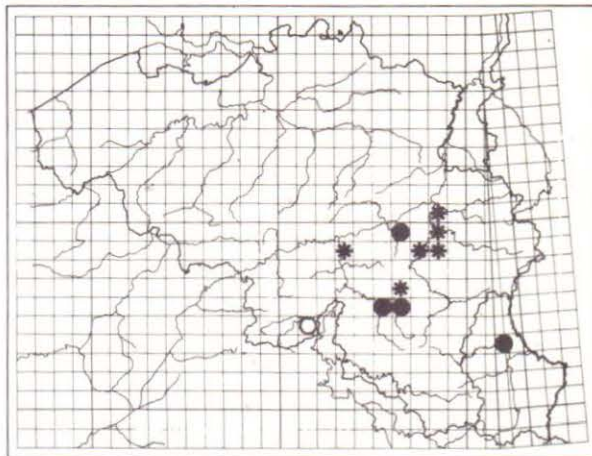
1795 - *Megachile ligniseca* (KIRBY)



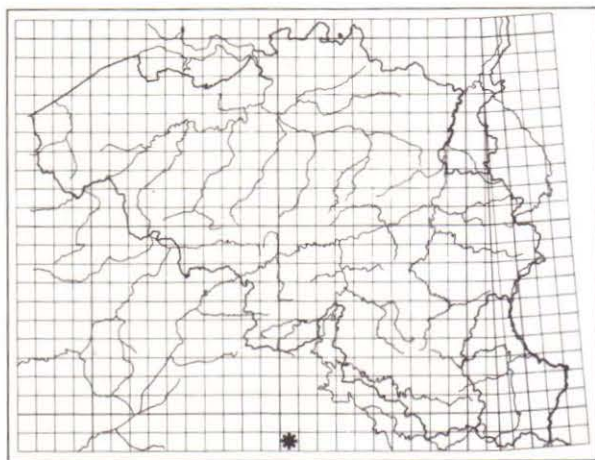
1796 - *Megachile maritima* (KIRBY)



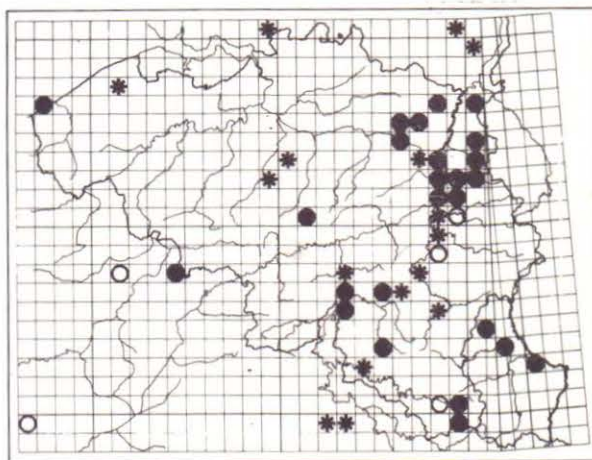
1797 - *Megachile pilidens* ALFKEN



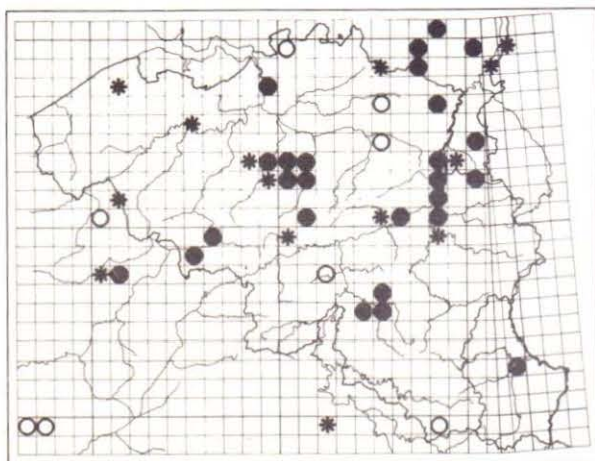
1798 - *Megachile pyrenaea* PEREZ



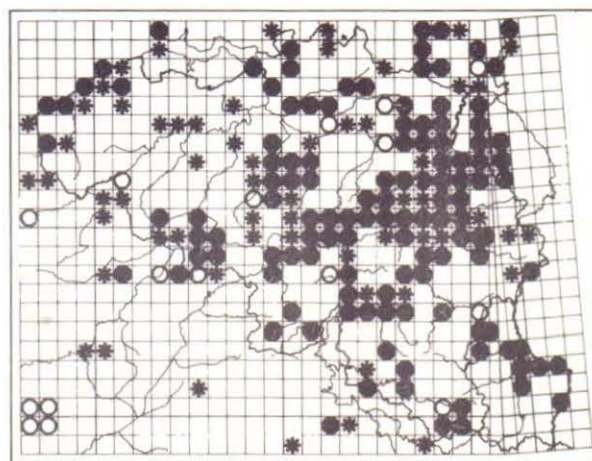
1798 bis - *Megachile rotundata* (FABRICIUS)



1799 - *Megachile versicolor* SMITH



1800 - *Megachile willughbiella* (KIRBY)



1800 bis - Somme des données concernant les genres *Chalicodoma* et *Megachile*