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The Hymenoptera: Apidae collection of Jan NOSKIEWICZ in the Museum of Natural History, University of Wrocław

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ABSTRACT. The Apidae collection of Jan NOSKIEWICZ preserved at the Museum of Natural History, University of Wrocław, Wrocław, Poland is summarised. The entire Hymenoptera collection consists of many families of Aculeata, but the bees represent the most valuable part, with nearly 1000 identified species and subspecies, and over 11500 specimens of predominantly Old World geographical range. A brief biographical note on Jan NOSKIEWICZ, the late professor of the University of Wrocław and a renowned specialist on Apidae, is given. The type specimens of 75 bee species and subspecies from the NOSKIEWICZ Collection are listed with respective details and bibliographic data.

Key words: NOSKIEWICZ, Insecta, Hymenoptera, Apidae, type collection, Wrocław University, Poland.

INTRODUCTION

Jan NOSKIEWICZ (1890-1963) was a distinguished Polish zoologist and zoogeographer. Born in Sanok, he attended a school in Jarosław where his teacher, Kazimierz PIĄTKOWSKI, inspired him to focus his interests on the world of insects. For one year a student of the Jagiellonian University, NOSKIEWICZ later moved to the Lviv University to complete his zoological studies. In 1913-1920 he worked as a secondary school teacher in Lviv and then for two years as a senior assistant of professor Jan HIRSCHLER, a zoologist and comparative anatomist. In 1922-39 NOSKIEWICZ was a researcher and librarian of the famous DZIEDUSZYCKI Museum of Natural History. In 1927 he got his PhD; his dissertation was "A polyembryony in the reproduction of *Halictoxenos simplicis* Nosk.". Ten years later he obtained habilitation degree for a pioneer study of the faunistic regions of Poland.

During WWII NOSKIEWICZ was a lecturer at the Lviv University and a researcher of the DZIEDUSZYCKI Museum. Together with Jan KINEL, he managed to protect the invaluable museum collections from war damage. Harsh conditions during the city's occupation forced NOSKIEWICZ to hire as a lice feeder for the epidemic typhus vaccine project at the Rudolf WEIGL Institute. This allowed him to earn his living and avoid repressions from the Germans. Near the end of WWII, in 1944, NOSKIEWICZ was appointed Chair of Invertebrate Zoology of the Lviv University, and at the same time continued his work for the DZIEDUSZYCKI Museum. In 1946, when Lviv was excluded from the territory of Poland, NOSKIEWICZ was repatriated to Wrocław and took position of the Chair of Animal Systematics and Zoogeography, University of Wrocław. There he received full professorship (1954) and retired in 1961. In 1955/56 he was dean of the Natural History Faculty. During his scientific career he was also a founding member of the Polish Entomological Society, an editor-in-chief of the Polish Entomological Journal, and head of the Polish Zoological Society and the Polish Naturalist's Society. Additional biographical data can be found in BRZEK (1994, 2007), FELIKSIK (1987), and primarily in a detailed obituary by SMRECZYŃSKI (1964) containing also a complete NOSKIEWICZ's bibliography compiled by ŻAK-OGAŻA (1964).

NOSKIEWICZ was a renowned specialist on Hymenoptera, especially Aculeata. He published his first faunistic notes on hymenopterans yet before his employment at the DZIEDUSZYCKI Muzeum (*e.g.*, NOSKIEWICZ 1918). In his further work NOSKIEWICZ focused on the taxonomy of bees and described numerous new taxa, most notably those of the ground-nesting bees of the diverse genus *Colletes* LATREILLE. His comprehensive studies of this genus conducted in Lviv resulted in a taxonomic revision of 125 Palearctic species, including 61 new to science (NOSKIEWICZ 1936a). This outstanding monograph was later supplemented with several further contributions after WWII (*e.g.*, NOSKIEWICZ 1958ab, 1959ab, 1962a). Like many other contemporary entomologists, he was also interested in faunistic studies, with special focus on xerothermophilous insects of Podolia and Lower Silesia. NOSKIEWICZ's studies significantly contributed to the knowledge of zoogeography and entomofaunistics of Podolia (especially his 18-year cooperative study with another famous Polish zoologist, Roman KUNTZE), Silesia, Western Pomerania and the Karkonosze Mountains. Together with Gustaw POLUSZYŃSKI, NOSKIEWICZ discovered and characterised the phenomenon of polyembryony in Strepsiptera, rare and poorly studied parasites of Hymenoptera. Their collaborative work resulted in a large monograph on the embryonic development of Strepsiptera (NOSKIEWICZ & POLUSZYŃSKI 1928, 1935), an important contribution to the knowledge of this enigmatic order. They also described several new species of Strepsiptera (NOSKIEWICZ & POLUSZYŃSKI 1924). After moving to Wrocław, NOSKIEWICZ extended his study to other groups of Hymenoptera and selected families of Diptera, particularly Asilidae (*e.g.*, NOSKIEWICZ 1953). His remarkable contribution to zoology was honoured by several taxonomists who dedicated new species to him, for example *Otiorhynchus noskiewiczzi* SMRECZYŃSKI, *Nomada noskiewiczzi* SCHWARZ or *Colletes noskiewiczzi* COCKERELL (Fig. 1).

The Hymenoptera collection of Jan NOSKIEWICZ is preserved at the Museum of Natural History, University of Wrocław (MNHU). It includes 88 original drawers contained in three cabinets. One of the drawers contains Diptera, while in 87 there are

Hymenoptera. The bees form the bulk of this collection, with 995 identified species and subspecies represented by over 7500 specimens, including many primary types. Together with a material of approximately 4000 unidentified specimens from Podolia and various regions of Poland, this is one of the most important repositories of Apidae in Polish museums. The NOSKIEWICZ Collection contains also Sphecidae, Pompilidae, Ichneumonidae, Braconidae, Gasteruptiidae, Chrysididae, Vespidae, Ibalidae, Aulacidae, Tiphidae, and a small number of Chalcidoidea; two drawers are occupied by Symphyta. All these groups are only partially or not identified to species.

Since Apidae was the main research focus of NOSKIEWICZ, this part of his collection is best studied and various taxonomic groups have been later revised by other specialists (e.g., WARNCKE 1978, KUHLMANN 2000). However, there are still numerous specimens awaiting identification. The collection has been properly curated and the specimens are generally in good condition, pinned, labelled and the identified material is arranged systematically (Figs. 2-6). The geographical scope of the collection is mainly within xerothermic areas of the Old World, with a strong representation of the Mediterranean basin and southern Europe, and especially eastern Europe (Ukraine), northern Africa (Tunisia, Algeria, Morocco) and Asia (Turkey, Iran, Kazakhstan, Turkmenistan, Azerbaijan, Uzbekistan, Mongolia, east China, Japan).

All the type specimens of taxa described by NOSKIEWICZ (Figs 7-12) are kept in two separate drawers. Type specimens of 77 species and subspecies are present in this



1. *Colletes noskiewiczzi* COCKERELL, an example of a bee species dedicated to Jan NOSKIEWICZ

material. The identity of each specimen has been confirmed by comparing the label data with the original description. All the type specimens have been catalogued, and identification numbers have been assigned: all syntypes of one species; holotype + all paratypes; and lectotype + all paralectotypes bear one MNHW catalogue / electronic database number. The checklist below comprises all these taxa and specimen details in alphabetical order (f - female, m - male, nd - not determined).

CHECKLIST OF THE APIDAE TYPE SPECIMENS IN THE MNHW NOSKIEWICZ COLLECTION

Andrena nanaeformis NOSKIEWICZ, 1925: 138; holotype [f]; MNHW No 947; Ukraine, Lesienice, leg. NOSKIEWICZ.

Andrena paula NOSKIEWICZ, 1939: 251; syntype [f]; MNHW No 948; Hungary, Vas-Kóll. Current status: *Andrena impunctata* PEREZ, 1895.

Andrena pillichii NOSKIEWICZ, 1939: 241; 5 syntypes [mf]; MNHW No 949; Hungary, Simontornya, leg. PILLICH. Current status: *Andrena alfkenella* PERKINS, 1914.

Andrena simontornyella NOSKIEWICZ, 1939: 246; 4 syntypes [mf]; MNHW No 950; Hungary, Simontornya, leg. PILLICH.

Andrena subsquamularis NOSKIEWICZ, 1960: 85; holotype [f], MNHW No 951; Bulgaria, Sandansky Prov., Blagoievggrad, leg. PUŁAWSKI; 1 paratype [f]; Bulgaria, Warna, leg. PUŁAWSKI. Current status: *Andrena colletiformis* MORAWITZ, 1874.

Camptopoeum verhoeffi NOSKIEWICZ, 1962b: 1; 7 paratypes [mf]; MNHW No 952; Tunisia, Djerba, leg. VERHOEFF.

Colletes acutiformis NOSKIEWICZ, 1936a: 382; 2 syntypes [mf]; MNHW No 891; Algeria, Laghouat, leg. MEYER (m), Algeria, Ain Sefra, leg. CHOBOUT (f).

Colletes albescens NOSKIEWICZ, 1936a: 330; 3 syntypes [mf]; MNHW No 892; Spain, Los Molinos, leg. MERCET (m), Spain, Canizares, leg. Selgas (f), Spain, Sierra de Guadarrama, leg. DUSMET (f). Current status: *Colletes noskiewiczii* COCKERELL, 1942.

Colletes alfkeni NOSKIEWICZ, 1958b: 512; holotype [m]; MNHW No 893; Israel, Nahalal, leg. PALMONI.

Colletes alicularis NOSKIEWICZ, 1936a: 260; 7 paralectotypes [mf]; MNHW No 894; Aral Sea, Syr-Darin ob., leg. POPOV (2 m), Kazakhstan, Baygakum ad Dzhulek, leg. WOLLMAN (4 exx.), Turkmenistan, Repetek, leg. PARAMONOW (1 m).

Colletes anchusae NOSKIEWICZ, 1924a: 118; 5 syntypes [mf]; MNHW No 895; Ukraine, Łysa Góra ad Złoczów (= Łysa Hora ad Zolochiv), leg. NOSKIEWICZ (2 exx.), Ukraine, Góra Żulica (?= Zhulici), leg. NOSKIEWICZ (3 exx.).

Colletes bidentulus NOSKIEWICZ, 1936a: 129; 2 paratypes [mf]; MNHW No 896; Azerbaijan, Helenendorf (currently Khanlar), (m), Turkmenistan, Ashkhabad, (f).

Colletes bytinskii NOSKIEWICZ, 1955: 81; 5 syntypes [mf]; MNHW No 897; Israel, Bat-Jam, leg. BYTINSKI-SALZ.

Colletes cariniger graecus NOSKIEWICZ, 1959b: 515; holotype [f], allotype [m], paratype [m]; MNHW No 898; Greece, Mt. Penteli. Current status: *Colletes cariniger* PÉREZ, 1903.

Colletes conradti NOSKIEWICZ, 1936a: 459; 6 syntypes [mf]; MNHW No 899; Kazakhstan, Ber Tschogur, Mugodjar Mts., leg. WOLLMANN (1 m), China (Xinjiang),

King-Ssai, Jarkand, leg. CONRADT (1 m), China (Xinjiang), Tschakar ad Polu, leg. CONRADT (1 f), Aral Sea, Syr-Darin, leg. POPOV (1 m), Mongolia, Chott, Gobi, leg. KOZLOW (1 m), “Din-junan- in s. Atanan”, leg. KOZLOW (1 f).

Colletes coriandri judaicus NOSKIEWICZ, 1955: 89; 2 syntypes [mf]; MNHW No 919; Israel, Ein Gev, leg. BYTINSKI-SALZ. Current status: *Colletes judaicus* NOSKIEWICZ, 1955.

Colletes creticus NOSKIEWICZ, 1936a: 123; allotype [f], 1 paratype [m]; MNHW No 900; Greece, Crete, Amari, leg. BIRÓ (allotype), Greece, Crete, Piskokephalon, leg. SCHULZ (paratype).

Colletes cyprius NOSKIEWICZ, 1936a: 118; 2 syntypes [nd]; MNHW No 901; Cyprus, Limassol.

Colletes dubitatus NOSKIEWICZ, 1936a: 241; 2 syntypes [m]; MNHW No 902; Turkmenistan, Merw (1 m), Kazakhstan, Tartugay, leg. SZESTAKOW (1 m).

Colletes elegans NOSKIEWICZ, 1936a: 217; holotype [m]; MNHW No 903; Algeria, Ghardaia.

Colletes emaceatus NOSKIEWICZ, 1936a: 264; lectotype [m], paralectotype [f]; MNHW No 904; design. KUHLMANN, 2000; Kazakhstan, Mujun-Kum, Karaken, leg. LEBEDEV (lectotype), Turkmenistan, Baýramaly (paralectotype).

Colletes escalerae NOSKIEWICZ, 1936a: 361; 8 syntypes [mf]; MNHW No 905; Morocco, Mogador, leg. ESCALERA.

Colletes flavescens NOSKIEWICZ, 1936a: 106; 2 syntypes [mf]; MNHW No 906; Morocco, Mogador, leg. ESCALERA. Current status: *Colletes nigricans* GISTEL, 1857.

Colletes fodiens hispanicus NOSKIEWICZ, 1936a: 303; 16 syntypes [mf]; MNHW No 907; Spain, Sierra de Guadarrama, leg. DUSMET (10 exx.), Spain, Bajona, leg. DUSMET (2 exx.), Spain, El Pardo, leg. DUSMET (2 exx.), Spain, Escorial, leg. DUSMET (1 ex.), Spain, Los Molinos, leg. MERCET (1 ex.). Current status: *Colletes fodiens* (FOURCROY, 1785).

Colletes fraterculus NOSKIEWICZ, 1936a: 526; holotype [f]; MNHW No 908; “Koj-pjas-tau bl. Kabadiana”, leg. GUSSAKOWSKII.

Colletes fulvicornis NOSKIEWICZ, 1936a: 416; 2 paralectotypes [mf]; MNHW No 909; Mongolia, Gobi, Cholt, leg. KOZLOW.

Colletes fuscicornis NOSKIEWICZ, 1936a: 284; 2 paratypes [m]; MNHW No 910; Egypt, Gabal Elba.

Colletes grisescens NOSKIEWICZ, 1936a: 442; 1 paratype [m]; MNHW No 911; Erdschias, leg. PENTHER. Current status: *Colletes asiaticus* KUHLMANN, 1999.

Colletes gussakowskii NOSKIEWICZ, 1936a: 528; holotype [f]; MNHW No 912; “Koi-pjas-tau bl. Kabadiana”.

Colletes ibericus NOSKIEWICZ, 1936a: 471; 11 syntypes [mf]; MNHW No 913; Spain, El Pardo, leg. DUSMET (9 exx.), Spain, Valencia, leg. MORODER (2 exx.). Current status: *Colletes pulchellus* PEREZ, 1903.

Colletes illyricus NOSKIEWICZ, 1936a: 120; 10 syntypes [mf]; MNHW No. 914; Croatia, Dalmatia (1 m), Croatia, Ragusa, (6 exx.), Montenegro, Herceg Novi, (2 m), Italy?, Lesina, leg. KELLER (1 m). Current status: *Colletes eous* MORICE, 1904.

Colletes inexpectatus NOSKIEWICZ, 1936a: 325; 15 syntypes [mf]; MNHW No 915; Ukraine, Łyczaków (6 exx.), Ukraine, Wężowa Dolina, (2 m), Ukraine, Kręciłów (= Krutiliv), (1 m), Ukraine, Sinków (= Syn'kiv), (3 exx), Ukraine, Krzemieniec (= Kremenec), (3 f).



2. One of drawers with the NOSKIEWICZ Collection

Colletes integer NOSKIEWICZ, 1936a: 427; holotype [f]; MNHW No 916; ?Uzbekistan, Alatau, Syrdarinskaya ob.

Colletes iranicus NOSKIEWICZ, 1962a: 51; 2 paratypes [f]; MNHW No 917; Iran, Rayne, (Teheran), leg. SCHMID.

Colletes jejunos NOSKIEWICZ, 1936a: 231; lectotype [m]; MNHW No 918; design. KUHLMANN (2000); Egypt, Gabal Elba, leg. ALDEH.

Colletes maidli NOSKIEWICZ, 1936a: 166; syntype [f]; MNHW No 920; Italy, Venezia-Lignano, leg. ZERNY.

Colletes merceti NOSKIEWICZ, 1936a: 223; 5 paratypes [mf]; MNHW No 921; Spain, Alicante, leg. MERCET.

Colletes meyeri NOSKIEWICZ, 1936a: 401; 2 syntypes [mf]; MNHW No 922; Croatia, Split, leg. MANN (m), Croatia, Dubrovnik, leg. MEYER (f).

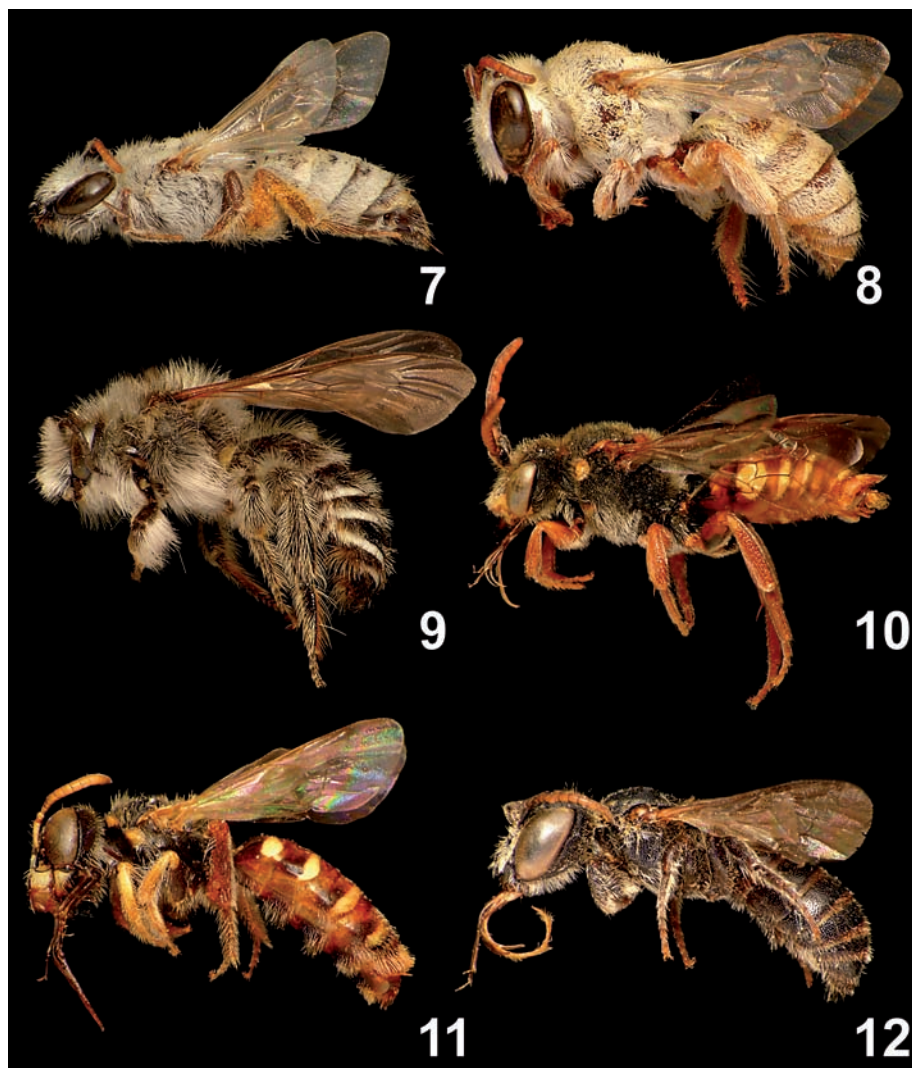
Colletes nanaeformis NOSKIEWICZ, 1959a: 35; holotype [m], 2 paratypes [m]; MNHW No 923; Egypt, Tell-el-Amarna, leg. PUŁAWSKI.



3-4. Examples of *Thyreus* PANZER (3) and *Colletes* LATREILLE (4) from the non-type part of the NOSKIEWICZ Collection

Mongolia, Taga-Ursa, leg. KOZŁOW (2 exx.), Ukraine, Crimea (1 f), Balchash Mts., "balchashsk exped" (1 m), Sarepta, Russia, leg. BECKER (2 m), Sarepta, Russia, (4 m). Current status: *Colletes chengtehensis* YASUMATSU, 1935.

Colletes pallipes NOSKIEWICZ, 1936a: 274; paratype [f]; MNHW No 926; Syr-Daria, leg. BODEMEYER.



7-12. Examples of species described by Jan NOSKIEWICZ. *Colletes bytinskii* NOSKIEWICZ, syntype (7); *Colletes fraterculus* NOSKIEWICZ, holotype (8); *Dasypoda niveocincta* NOSKIEWICZ, paratype (9); *Nomada dzieduszyckii* NOSKIEWICZ, syntype (10); *Camptopoeum verhoeffi* NOSKIEWICZ, paratype (11); *Osmia illyrica* NOSKIEWICZ, syntype (12)

Colletes plumulosus NOSKIEWICZ, 1936a: 267; 3 paralectotypes [mf]; MNHW No 927; Kazakhstan, Baygakum bei Dzhulek, leg. WOLLMANN; males labeled as *Colletes plumosus* NOSK.

Colletes pollinarius Noskiewicz, 1936a: 224; lectotype [m], 1 paralectotype [f]; MNHW No 928; design. KUHLMANN (2000); Transcaspia, Uzun-Ada, leg. VARENCOV (lectotype), Transcaspia, Uzun-Ada, (paralectotype).

Colletes popovi NOSKIEWICZ, 1936a: 271; 3 paralectotypes [m]; MNHW No 929; Kazakhstan, Ber Tschogur, Mugodjar Mts., leg. BUBYR (1 ex.), Kazakhstan, Karatau Mts., ad Dzhulek, leg. WOLLMANN (2 exx.).

Colletes pseudocinerascens NOSKIEWICZ, 1936a: 424; 2 paralectotypes [mf]; MNHW No 930; Russia, Jakutsk, leg. MOSKWIN.

Colletes pseudojejunos NOSKIEWICZ, 1959a: 47; holotype [m], allotype [f]; MNHW No 931; Israel, Dead Sea, South End, leg. BYTINSKI-SALZ.

Colletes radoszkowskii NOSKIEWICZ, 1936a: 452; 2 paralectotypes [mf]; MNHW No 932; ?Iran, Kheyrabad, Kopet-dag, leg. GOLBEK (f), ?Iran, Chorasán, leg. ZARUBNYJ (m).

Colletes reinigi NOSKIEWICZ, 1936a: 372; paratypes [mf] 2; MNHW No 933; West Pamir, leg. REINIG (f), Kuku-nor-Geb, (Kuku-nor Lake, China, Qinghai?), leg. TANCRÉ (m).

Colletes rubripes NOSKIEWICZ, 1936a: 205; 2 paralectotypes [mf]; MNHW No 934; Turkmenistan, Repetek, leg. HUSSAKOWSKIJ (f), Turkmenistan, Farab, leg. KULESZOW (m).

Colletes schmidi NOSKIEWICZ, 1962a: 49; 5 paratypes [f]; MNHW No 935; Spain, Sierra Nevada, Laguna de Yeguas, leg. SCHMID.

Colletes siciliensis NOSKIEWICZ, 1959a: 50; allotype [f], 4 paratypes [m]; MNHW No 936; Italy, Sicily, Catania Playa, leg. BYTINSKI-SALZ. Current status: *Colletes nigricans* GISTEL, 1857.

Colletes skorikovi NOSKIEWICZ, 1936a: 209; 4 paralectotypes [mf]; MNHW No 937; Transcaspia, Uzun-Ada, (3 exx.), Turkmenistan, Molla-Kara Lake (1 ex.).

Colletes squamulosus NOSKIEWICZ, 1936a: 191; paralectotype [m]; MNHW No 938; "Araxesthal, Caucaus" (= Armenia, Araxes Valley), leg. REITTER.

Colletes stachi NOSKIEWICZ, 1958b: 509; holotype [m], allotype [f]; MNHW No 939; Tajikistan, Djili-Kul, leg. FURSOV.

Colletes tarsalis NOSKIEWICZ, 1936a: 140; paratype [m]; MNHW No 940; Spain, Pater Muedra ad Orihuela. Current status: *Colletes canescens* SMITH, 1853.

Colletes tuberculatus anatolicus NOSKIEWICZ, 1959b: 513; allotype [m], 2 paratypes [f]; MNHW No 941; Turkey, Ankara, leg. BYTINSKI-SALZ (allotype), Turkey, Nigda, leg. BYTINSKI-SALZ (1 paratype), Turkey, Ugrüp, leg. BYTINSKI-SALZ (1 paratype). Current status: *Colletes tuberculatus* MORAWITZ, 1894.

Colletes tuberculatus siculus NOSKIEWICZ, 1959b: 511; 8 paratypes [mf]; MNHW No 942; Italy, Sicily, Etna, leg. BYTINSKI-SALZ. Current status: *Colletes tuberculatus* MORAWITZ, 1894.

Colletes tuberculiger NOSKIEWICZ, 1936a: 333; 2 paratypes [mf]; MNHW No 943; Spain, Poveda, leg. DUSMET (f), Spain, Arajunez, leg. DUSMET (m).

Colletes wahrmani NOSKIEWICZ, 1959a: 43; 3 paratypes [m]; MNHW No 944; Turkey, Beysehir, leg. WAHRMAN.

Colletes wollmanni NOSKIEWICZ, 1936a: 188; 6 syntypes [mf]; MNHW No 945; Turkmenistan, Farab, leg. SZESTAKOW (2 m), Kazakhstan, Tartugay, leg. SZESTAKOW (2 exx.), Kazakhstan, Baygakum ad Dzhulek, leg. WOLLMANN (2 m).

Colletes yemensis NOSKIEWICZ, 1929: 211; lectotype [m], paralectotype [f]; MNHW No 946; design. KUHLMANN (2000); Yemen, Sanaa.

Dasypoda niveocincta NOSKIEWICZ, 1959c: 431; 1 paratype [m]; MNHW No 967; France, St. Cyr. Current status: *Dasypoda dusmeti* QUILIS, 1928.

Dioxys kuntzei NOSKIEWICZ, 1948: 99; 2 syntypes [mf]; MNHW No 953; Ukraine, Zaleszczyki (= Zaliszcziki), leg. NOSKIEWICZ (f), Ukraine, Trójca n/Zbruczem (i.e., Okopy Św. Trójcy; = Forteca Sviatoj Trijcy), leg. NOSKIEWICZ (m). Current status: *Aglaoapis tridentata* (NYLANDER, 1848).

Eucera vittulata NOSKIEWICZ, 1936b: 175; 3 syntypes [mf]; MNHW No 954; Ukraine, Krzywce (= Krivcze), leg. NOSKIEWICZ (f), Ukraine, Ostrowiec (= Ostrivec), leg. NOSKIEWICZ (2 m).

Halictus fudakowskii NOSKIEWICZ, 1926: 232; 2 syntypes [f] (one labelled as lectotype by PESENKO in 1998, unpublished); MNHW No 955; Croatia, Lussingrande, leg. FUDAKOWSKI. Current status: *Lasioglossum nitidulum* (FABRICIUS, 1804).

Halictus lissonotus NOSKIEWICZ, 1926: 233; 1 syntype [f] (labelled as lectotype by PESENKO in 1998, unpublished), Herzegovina, Mostar; 1 syntype [f] Montenegro, Herceg Novi; MNHW No 956. Current status: *Lasioglossum lissonotum* (NOSKIEWICZ, 1926).

Halictus podolicus NOSKIEWICZ, 1925: 144; 1 syntype [f] (labelled as lectotype by PESENKO in 1998, unpublished), Ukraine, Sinków (= Syn'kiv), leg. NOSKIEWICZ; 3 syntypes [mf], Ukraine, Mielnica (= Melnicia), leg. NOSKIEWICZ (f), Ukraine, Dolina n./Donem, leg. NOSKIEWICZ (mf); MNHW No 957. Current status: *Lasioglossum podolicum* (NOSKIEWICZ, 1925).

Nomada alfkeni NOSKIEWICZ, 1939: 257; 4 syntypes [mf]; MNHW No 958; Hungary, Simontornya, leg. PILlich. Current status: *Nomada noskiewiczii* SCHWARZ, 1966 (replacement name).

Nomada dzieduszyckii NOSKIEWICZ, 1924b: 34; 4 syntypes [mf]; MNHW No 959; Ukraine; Hołosko Wielkie (= Holosko). Current status: *Nomada striata* (FABRICIUS, 1793).

Nomada minuscula NOSKIEWICZ, 1930: 260; syntype [f]; MNHW No 960; Ukraine, Zaleszczyki (= Zaliszcziki), leg. NOSKIEWICZ. Current status: *Nomada sheppardana* (KIRBY, 1802).

Nomada mixtella NOSKIEWICZ, 1959d: 131; holotype [f], 1 paratype [f]; MNHW No 961; Ukraine, Łysa Góra ad Złoczów (= Łysa Hora ad Zolochiv), leg. NOSKIEWICZ (holotype), Ukraine, Lviv, leg. NOSKIEWICZ (paratype). Current status: *Nomada posthuma* BLUETHGEN, 1949.

Osmia illyrica NOSKIEWICZ, 1926: 234; 3 paralectotypes [mf]; MNHW No 962; Montenegro, Herceg Novi. Current status: *Hoplitis illyrica* (NOSKIEWICZ 1926). Lectotype designated and described by TKALCŮ (1974), but not returned to MNHW.

Stelis odontopyga NOSKIEWICZ, 1926: 230; syntype [d]; MNHW No 965; Ukraine, Niżniów (= Nyzhniv).

Stelis ornatula* var. *immaculata NOSKIEWICZ, 1926: 231; holotype [f]; MNHW No 966; Montenegro, Herceg Novi.

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