

Type specimens in the bird collections of the Zoologisches Forschungsmuseum Alexander Koenig, Bonn

Renate van den Elzen

Zoologisches Forschungsmuseum Alexander Koenig, Adenauerallee 160, D-53113 Bonn, Germany;
E-mail: r.elzen.zfmk@uni-bonn.de.

INTRODUCTION

Primary types play an important role as name-bearing specimens (ICZN, 1999) in the context of correctly addressing the whole spectrum of biodiversity. Names and thus taxonomy are the first step to identify and arrange the diversity of species in appropriate order. The importance of type specimens requires that the information about types should be made globally available. This was the main objective to present this checklist of syntypes, holotypes, lectotypes and paratypes (including paralectotypes) deposited in the skin collections of the ZFMK. A previous list of types in the ZFMK (Rheinwald & van den Elzen 1984) can be seen as a first step. The list is outdated, incomplete and written in German only. Moreover, with the progress of the digital catalogue of bird type specimens in German research collections under GIBF-D-Vertebrata (van den Elzen et al. 2005) and the increase of networking between ornithological collections, several type series were found to be spread over different collections and this valuable information on whereabouts of type specimens is added here. Also the new ICZN with its stricter rules was applied to the former type list and helpful suggestions from colleagues improved the revised version. The new catalogue thus offers the state of knowledge of today. It makes no claim to be complete or free of errors, but it is thought to be a starting point for further discussions, additions or amendments and other suggestions towards a global register of scientific bird names and the collections holding bird types.

Since the previous version of the ZFMK bird type catalogue 13 new taxa were added. The type checklist comprises today 322 primary names, 137 holotypes, 47 syntypes and 95 lectotypes, as well as about 989 para- and paralectotypes. A multitude of new names was proposed by O. Kleinschmidt (and coauthors; 121), whose Collection (Coll. Kl.) was sold to the ZFMK in 1935. Several other collections (of Härms, von Jordans, Dervedde, Schiebel or Martens) were handed to the ZFMK between 1940 and 2006. These collections also included type material that is considered here. And last not least the founder

of the ZFMK, Alexander Koenig, proposed eight new names for birds, of which five are still recognized names of bird species or subspecies today (Dickinson 2003).

The taxa presented in the checklist include all name-bearing types, without evaluating their present acceptance. So we list not only currently recognized taxa, but also synonyms, regardless whether these are objective or subjective synonyms. The sequence of families follows the Howard and Moore Checklist (Dickinson 2003). Also current names were added as a service as in some cases the original names cannot be assigned to current scientific bird names without some difficulty. Current names follow Dickinson (2003), but could not be applied with certainty to all names proposed, as e.g. several of Kleinschmidt's taxon names are not listed in any forerunners of the Howard and Moore Checklist (Dickinson 2003), e.g. Peters Checklist (Mayr & Cottrell, 1979, 1986, Mayr & Greenway 1960, 1962, Mayr & Paynter 1964, Paynter 1967, 1968, 1970, Peters 1931–1951, Traylor 1979), Hartert (1910–1932) or other sources.

Abbreviations for Museum collections used:

AMNH = American Museum of Natural History, New York, New York, U.S.A.

BMNH = Natural History Museum, Tring (= British Museum (Natural History), U.K.

CNHM = Chicago Natural History Museum, Chicago, U.S.A.

DMD = Durban Museum, Durban, R.S.A.

MCZ = Harvard University, Massachusetts, U.S.A.

MfN = Museum für Naturkunde, Berlin, Germany (= ZMB)

MHN = Museo de Historia Natural "Javier Prado", Lima, Peru

MTKD = see SNS

NHMW = Naturhistorisches Museum, Vienna, Austria

RSM = Royal Scottish Museum, Edinburgh, U.K.
 SMF = Naturmuseum Senckenberg, Frankfurt/Main, Germany
 SMNS = Staatliches Museum für Naturkunde, Stuttgart
 SNS = Senckenbergische Naturkundliche Sammlungen, Dresden
 UMB = Überseemuseum, Bremen, Germany
 ZMB = see MfN
 ZMH = Zoologisches Museum Hamburg, Germany
 ZFMK = Zoologisches Forschungsmuseum Alexander Koenig, Bonn, Germany
 ZSM = Zoologische Staatssammlung, Munich, Germany

Alectoris rufa laubmanni Jordans, 1928
 Novit Zool 34: 306.

Holotype: ZFMK L.III.9.c³.α., male, Artá, Majorca, 03.04.1921, leg. A. von Jordans, No 2918.

Paratypes: ZFMK L.III.9.c³.β., male, Artá, Majorca, 31.03.1921; ZFMK L.III.9.c³.γ., male, Salinas, Majorca, 03.05.1927; ZFMK L.III.9.c³.δ, female, Salinas, Majorca, 03.05.1927; ZFMK L.III.9.c³.ε, male, Salinas, Majorca, 03.05.1927; ZFMK L.III.9.c³.ζ., male, Salinas, Majorca, 19.05.1927; ZFMK L.III.9.c³. female, 19.05.1927, Salinas, Majorca, all leg. A. von Jordans. – Dickinson (2003): *Alectoris rufa intercedens* (A. E. Brehm, 1857).

CHECKLIST OF TYPE SPECIMENS

TINAMIDAE

Nothoprocta pentlandi niethammeri Koepcke, 1968
 Bonn zool Beitr 19: 231.

Paratype: ZFMK 68.2060, male, Lomas of Lachay, ca. 90 km N of Lima, Peru. Captured as a chick, prepared as a nine month old bird, 25.07.1960, leg. Montesa. Original No Kp 1883 a, MHN Orn. 1117;

Other paratypes: Kp 1883 c, MHN Orn 2533, female, Lomas of Lachay, 90 km north Lima, Peru; Kp 1883 d, male, in 1968 in the zoological Garden Perque de las Leyndas, Lima; Holotype: Kp. 1883 b, MHN Orn. 2534, male, Lomas of Lachay, 90 km north Lima, Peru, in the MHN Javier Prado, Lima. – Dickinson (2003): *Nothoprocta pentlandii niethammeri*.

PHASIANIDAE

Perdix galliae Bacmeister & Kleinschmidt, 1918
 J Ornithol 66: 255.

Lectotype: Coll. Kl. 8231, male, Aussonce, E France, 22.01.1917, leg. Monnard, ex Coll. Bacmeister;

Paralectotypes: Coll. Kl. 8232 male, Thugny, Arrondissement de Rethel, E France, 02.12.1916, leg. Rüst; Coll. Kl. 8233 (male), Aussonce, 21.01.1917, leg. Monard; Coll. Kl. 8234 Aussonce, 16.12.1916, found dead by Bacmeister, all ex. Coll. Bacmeister.

Series of fourteen syntypes, whereabouts of other specimens unknown; nom. nov. added as footnote. – Dickinson (2003): *Perdix perdix perdix* (Linnaeus, 1758).

Francolinus coqui hoeschianus Stresemann, 1937
 Orn Monatsber 45: 66.

Paratype: ZFMK 39.250, male, Waterberg-Plateau, Namibia, 18.09.1936, leg. Hoesch No 628.

Holotype: MfN, Berlin (No 36.206) male, Otjosongombe, Waterberg-Plateau, Namibia, 03.07.1936, leg Hoesch.

Three more paratypes probably also in MfN, Berlin. – Dickinson (2003): *Francolinus coqui coqui* (A. Smith, 1836).

Francolinus hartlaubi crypticus Stresemann, 1939
 Orn Monatsber 47: 62.

Paratype: ZFMK 39.967, female, Onguati, Kaokoveld, Namibia, 03.09.1938, leg. Hoesch, No 1363.

Holotype at the MfN, Berlin (No 38.1343) – t. t. as paratype; described from a series of six specimens. – Dickinson (2003): *Francolinus hartlaubi crypticus*.

Francolinus gariensis stresemanni Hoesch & Niethammer, 1940
 J Ornithol 88, special issue: 89.

Paratype: ZFMK 39.966, female, Kakatswa, Namibia, 22.08.1938, leg. Hoesch No 1347.

Type specimen at the MfN, Berlin, also two more paratypes (?). – Dickinson (2003): *Francolinus levillantoides levillantoides* (A. Smith, 1836).

Tetrao bonasia styriacus Jordans & Schiebel, 1944
Falco 40: 1.

Holotype: ZFMK 57.667, male, St. Georgen ob Judenburg, Upper Styria, Austria, 01.11.1932, leg. Schiebel.

No paratypes defined in the large series. – Dickinson (2003): *Tetrastes bonasia styriacus*.

Tetrao schiebeli Kleinschmidt, 1941
Falco 37: 18.

Lectotype: ZFMK 57.694, male, Zirknitz, Krain, Austria, 11.09.1927, ex. Coll. Schiebel.

No further paratypes defined or described out of a large series of an unknown number of specimens. – Dickinson (2003): *Tetrastes bonasia schiebeli*.

Tetrao Bonasa rhenana Kleinschmidt, 1917
Ornis Germanica (supplement of Falco) 1: 7; nomen nudum

Tetrao Bonasa rhenana Kleinschmidt, 1944
Falco 40: 4.

Lectotypes: Coll. Kl. 8279, male, Niederhoppen a. d. Wied, Germany 13. 12. 1897; Coll. Kl. 8280, female, Niederhoppen a. d. Wied, Germany, 14. 12. 1897; Coll. Kl. 8281, male, Niederhoppen a. d. Wied, Germany, 14. 12. 1897; Coll. Kl. 8282, female, Brochenbach a. d. Wied, 15.12.1897; Coll. Kl. 8283, male, Neustadt a. d. Wied, Germany, 03.11.1898, alle leg. Schneider.

Name first mentioned in Ornis Germanica, but a nomen nudum there. A large type series elaborately described in Falco (1944: 4), but no type specimen designated and series not specified. Fourteen skins from ZFMK mentioned, but not to be identified. – Dickinson (2003): *Tetrastes bonasia rhenana*.

FALCONIDAE

Falco caucasicus Kleinschmidt, 1907
Falco 3: 62.

Lectotype: Coll. Kl. 7120, female ad., Wladikaukas, NE Caucasus, 08.01.1907, per W. Schlüter;

Paralectotype: Coll. Kl. 7119, female ad., Prochladnaja, Terek region, Caucasus, 17.01.1900, per W. Schlüter.

No types were designated in the original publication, in the Catalogue (Kleinschmidt 1935–1943: 152) eight specimens (Coll. Kl. 7121–7125) are listed as *caucasicus*, Nr. 7120 marked as type in the catalogue, but Nr. 7119 labelled as “type specimen”. Illustrated in Berajah, Falco Peregrinus: plate 27 (1914). – Dickinson (2003): *Falco peregrinus brookei* Sharpe, 1873.

Falco rudolfi Kleinschmidt, 1909
Falco 5: 19.

Holotype: Coll. Kl. 7111, female, Hokodadi, N Japan, 04.02.1908, leg. Thielemann. – Dickinson (2003): *Falco peregrinus pealei* Ridgway, 1874.

Falco Peregrinus rhenanus Kleinschmidt, 1912
Berajah, Falco Peregrinus: plate 09.

Iconotype: Plate 09 in Berajah.

Lectotype: Coll. Kl. 7053, female, rock face „Rabenley“, Altenahr/ Rhineland, 14.05.1897, leg. Kleinschmidt.

The species was described in 1912 by measurements given on the plate and in 1916 in Berajah (Kleinschmidt 1916: 42–43) in the text.

Several skin specimens are listed in the Catalogue (Kleinschmidt 1935–1943: 149; 150), Coll. Kl. 7048, Coll. Kl. 7053, Coll. Kl. 7059–7074, No. 7053 is designated as „type specimen“ (Kleinschmidt 1935–1943: 154) and labelled as such. – Dickinson (2003): *Falco peregrinus peregrinus* Tunstall, 1771.

Falco Peregrinus scandinaviae Kleinschmidt, 1915
Berajah, Falco Peregrinus: plate 33.

Iconotype: plate 33 in Berajah.

Lectotype: Coll. Kl. 7051, female ad., Upland, Sweden, 03.05.1896, leg. Kolthoff, per Schlüter.

The species was described in 1915 by measurements given on the plate and in 1916 in Berajah (Kleinschmidt 1916: 46–47) in the text. Eight skin specimens are listed in the Catalogue (Kleinschmidt 1935–1943: 149–151), Coll. Kl. 7051, labelled as “type specimen”. – Dickinson (2003): *Falco peregrinus peregrinus* Tunstall, 1771.

Falco Peregrinus Heinrichi Kleinschmidt, 1933
Kurzf. deutsche Rassenkunde: 24 and plate 2.

Holotype: Coll. Kl. 7143, male, “Celebes”, 24.03.1933, perished in the Zoological Garden Berlin, leg. Heinrich.
– Dickinson (2003): *Falco peregrinus heinrichi*.

Falco kreyenborgi Kleinschmidt, 1929
Falco 25: 33–35

Lectotype: Coll. Kl. 7144, male ad., caught at Punta Arenas Magallanos, S Chile; received on 22.10.1932 from the Zoological Garden Münster via Carlos Strauch.

No types were designated in the publication, only in the Catalogue (Kleinschmidt 1935–1943: 153) and on label. Two other specimens are housed at the Zoological Museum Münster. This form is assigned today as a light phase to *Falco peregrinus cassini* Sharpe, 1873 (Ellis & Garat 1983, Auk 100: 269 et seq.)

Cerchneis tinnunculus canariensis Koenig, 1889
J Ornithol 37: 263.

Lectotypes: ZFMK A.II.12.a².δ., male, Villa Orotava, Tenerife, 6.04.1889 and ZFMK A.II.12.a².ζ., female, Villa Orotava, Tenerife, 10.02.1889, all leg. A. Koenig.

Further 16 specimens from Tenerife and the same year are listed in the unpublished catalogue of the ZFMK: ZFMK A.II.12.a².α, male, Agua Manza, Tenerife, 12.01.1889 (in the AMNH, New York); ZFMK A.II.12.a².β, male, Agua Manza, Tenerife, 21.02.1889; ZFMK A.II.12.a².γ, male, Puerto Orotava, Tenerife, 08.01.1889; ZFMK A.II.12.a².ε, female, Puerto Orotava, Tenerife, 28.01.1889; ZFMK A.II.12.a².η, female, Puerto Orotava, Tenerife, 08.01.1889; ZFMK A.II.12.a².θ, female juv., Villa Orotava, Tenerife, 10.01.1889; ZFMK A.II.12.a².ι, female, Villa Orotava, Tenerife, 10.01.1889; ZFMK A.II.12.a².κ, male juv., Icod el Alto, Tenerife, 15.01.1889; ZFMK A.II.12.a².λ., male, Orotava, Tenerife, 17.01.1889; ZFMK A.II.12.a².μ, female, Orotava, Tenerife, 23.01.1889; ZFMK A.II.12.a².ν, male juv., Icod el Alto, Tenerife, 27.01.1889; ZFMK A.II.12.a².ξ., female juv., Sta. Ursula, Tenerife, 07.02.1889; ZFMK A.II.12.a².ο., male juv., Villa Orotava, Tenerife, 10.02.1889; ZFMK A.II.12.a².π., female juv., Puerto Orotava, Tenerife, 12.02.1889; ZFMK A.II.12.a².ρ., male, Palma, 25.03.1889; all leg. Koenig and ZFMK A.II.12.a².ς., female juv., bought from P. Schmitz, Estreito, Madeira, 14.09.1889. Two specimens labelled as synonyms in the collection and marked in the catalogue. – Dickinson (2003): *Falco tinnunculus canariensis*.

Falco tinnunculus ultratinnunculus Kleinschmidt, 1929
Falco 25: 35.

?Holotype: Coll. Kl. 7451, male ad., Wladikaukas, Caucasus, 20.10.1913. No collector specified.

Type designated to “the very old male”, no specification in the text or catalogue.

Paratypes: Coll. Kl. 7452, male ad., Wladikaukas, 21.02.1914; Coll. Kl. 7453 female ad., Wladikaukas, 4.10.1912. – Dickinson (2003): *Falco tinnunculus tinnunculus* Linnaeus, 1758.

Falco Hierofalco erlangeri Kleinschmidt, 1901
Aquila 8: 34–38, figured plate 1 and 3.

Holotype: Coll. Kl. 7022, Djebel Sidi Ali ben Aoun, Tunisia, 06.04.1897, leg. Hilgert.

Paratype: Coll. Kl. 7021, male, same locality, 12.04.1897, leg. Hilgert; Coll. Kl. 7023, female ad., Tanger, Morocco, 14.08.1897, per Schlüter; 2 specimens from the Collection of A. Koenig not to be traced; see also *Falco Hierofalco tschusii*.

The subspecies was first illustrated by A. Koenig, (1898, J. Ornithol: plate 09, figure 1–5) without him realizing the new form. Described by Kleinschmidt from a larger series of six males and five females: two specimens from the Hungarian National Museum; one from Museum Carlo Erlanger and two from living birds in the aviaries of A. Koenig, Bonn. – Dickinson (2003): *Falco biarmicus erlangeri*.

Falco Hierofalco tschusii Kleinschmidt, 1907
Falco 3: 103.

Holotype: Coll. Kl. 7023, female ad., Tanger, Morocco, 14.08.1897, per Schlüter.

In Catalogue defined by Kleinschmidt (1935–1943: 148) as synonym of *Falco biarmicus erlangeri*, after considering it to be a paratype of *F. H. erlangeri* in 1901. – Dickinson (2003): *Falco biarmicus tanypterus* Schlegel, 1843.

Falco Hierofalco aralocaspius Kleinschmidt, 1939
Falco 35: 28.

Holotype: Coll. Kl. 7012, “female” ad., “Linkoran”, 10.01.1895, per Floericke.

In the brief description no details on material used are given. In the “Katalog” several specimens are recorded as *aralocaspius*, Coll. Kl. 7009–7011, 7013–7014, Russia, Caucasus, but not marked as paralectotypes. – Dickinson (2003): *Falco cherrug cherrug*.

Falco christiani-ludovici Kleinschmidt, 1917

Falco 13: 9.

Holotype: Coll. Kl. 7337, male juv., Wladikaukas, Caucasus, 12.11.1910, per Schlüter.

Actually considered as nom. nov. for *Falco pallidus* (Sushkin, 1900), because Kleinschmidt presumed it to be preoccupied two times by both *Tinnunculus alaudarius pallidus* A.E. Brehm, 1866 and *Falco pallidus* (Schlegel and Susemihl, 1839–1851). Contrary to Kleinschmidt, Brehm’s name is a nomen nudum according to Vaurie (1965) and *Falco pallidus* (Schlegel & Susemihl) refers – like *Falco pallidus* Schinz, 1840 – to *Circus pallidus* Sykes, 1832. – Dickinson (2003): *Falco columbarius pallidus* (Sushkin, 1900).

Falco alfred-edmundi Kleinschmidt, 1917

Falco 13: 9.

Holotype: Coll. Kl. 7341, female, N Iceland, 6.09.1909, per Schlüter. – Dickinson (2003): *Falco columbarius subaeson* C. L. Brehm, 1827.

ACCIPITRIDAE

Accipiter Palumbarius caucasicus Kleinschmidt, 1922

Berajah 4: 5.

Lectotype: Coll. Kl. 7790, male ad., Wladikaukas, Caucasus, 11.11.1913;

Paralectotypes: Coll. Kl. 7791, male ad., Wladikaukas, Caucasus, 15.01.1914; Coll. Kl. 7792, female, Wladikaukas, 7.03.1914, all per Schlüter.

Described after three specimens with no type designated in the original description, but only these three skins in the collection. – Dickinson (2003): *Accipiter gentilis marginatus* (Piller & Mitterpacher, 1783).

Astur gentilis arrigonii Kleinschmidt, 1903

Orn. Monatsber. 11: 152.

Syntypes: Coll. Kl. 7788, female ?, St. Cosinus, Lanusei, Sardinia, 14.04.1903; Coll. Kl. 7789, male ad., Leni, Barbagia, Sardinia, 24.04.1902, leg. Meloni.

Described after five specimens, whereabouts of other specimens unknown. – Dickinson (2003): *Accipiter gentilis arrigonii*.

Accipiter gentilis kleinschmidti Jordans, 1950

Syll Biol Festschr Kleinschmidt: 178.

Holotype: ZFMK 46.343, male ad., Linares, Salamanca, Spain, 16.05.1943, leg. Grün.

Paratypes: ZFMK 46.344, female, Linares, Salamanca, Spain, 12.05.1943; ZFMK 46.345, female, Linares, Salamanca, Spain, 23.05.1938, all leg. Grün. – Dickinson (2003): *Accipiter gentilis arrigonii* (Kleinschmidt, 1903).

Accipiter nisus peregrinoides Kleinschmidt, 1921

In Grote (1921): Aus der orn. Literatur Russlands (supplement to Falco): 56.

?Lectotype: Coll. Kl. 7926, female juv., Rossitten, 20.10.1921, leg. Thienemann.

No specification given in first description; mention of an old female on migration, specimen illustrated in Proceedings IV Intern. Ornithol. Congr. Not tracable. Also an old male mentioned in first description from the collection of A. Koenig, without specifying a locality or date. In Kleinschmidt (1935–1943: 185) 39 specimens are listed under *peregrinoides*. – Dickinson (2003): *Accipiter nisus nisus* (Linnaeus, 1758).

Accipiter nisus Salamancae Jordans & Steinbacher, 1941

Ann Nat Hist Mus Wien 53: 238.

Holotype: ZFMK 38.528, female ad., Linares de Riofrio, Salamanca, Spain, 10.06.1938, leg. Grün.

Paratypes: ZFMK 38.527, male, Linares de Riofrio, Salamanca, Spain, 30.08.1938; ZFMK 38.561, female, 05.08.1938, locality and collector as above; ZFMK.38.562, female, 05.08.1938, locality and collector as above; ZFMK A.II.9.a.γγγγγγγγ, female, Mosqueruela, 06.10.1930; ZFMK A.II.9.a.λλλλλλλλ, female, Mosqueruela, 04.09. 1930; ZFMK A.II.9.a.ξξξξξξξξ, male, Linares, 21.08.1937; ZFMK A.II.9.a.οοοοοοοο, female, Linares des Riofrio, 02.08.1937, all leg. Grün. – Dickinson (2003): *Accipiter nisus nisus* (Linnaeus, 1758).

Accipiter wolterstorffi Kleinschmidt, 1901
Orn Monatsber 9: 168.

Holotype: Coll. Kl. 8037, female, Lanusei, Sardinia, 18.12.1900, leg. Wolterstorff.

Paratype: Coll. Kl. 8038, pull. male, caught from the aerie, Lanusei, Baulacci, 19.07.1900, leg. Wolterstorff.

Described from a larger series of another eleven specimens, not specified; paratype identified by label in collection. – Dickinson (2003): *Accipiter nisus wolterstorffi*.

Accipiter nisus galliae Kleinschmidt, 1917
Falco 13: 24.

Lectotype: Coll. Kl. 8032, female juv., Thugny, Ardennes, France, 22.02.1917, leg. Bacmeister.

Paralectotype: Coll. Kl. 8033, female, Aussonce, Ardennes, 05.01.1917.

No types defined, very sparse description. – Dickinson (2003): *Accipiter nisus nisus* (Linnaeus, 1758).

Buteo zimmermannae Ehmcke, 1893
J Ornithol 41: 117.

?Holotype: Coll. Kl. 7606, female, Sassupönen, Gumbinnen, East Prussia, (Russia), 21.04.1892, leg. Schwede.

Also Coll. Kl. 7607, male juv., identified as “Cotypus”. Described also from comparative material from the collection of the MfN, Berlin. – Dickinson (2003): *Buteo buteo buteo* (Linnaeus, 1758).

Buteo vulgaris hispaniae Jordans, 1940
Falco 35: 13.

Syntypes: ZFMK A.II.19.a⁶.α. and β., 2 males, Linares, Salamanca, Spain, 27.04.1935 and Teruel, Mosqueruela, 18.09.1930, leg. Grün.

Paratypes: ZFMK A.II.19.a⁶.γ., female, Mosqueruela, 05.09.1930; ZFMK A.II.19.a⁶.δ., female, Linares, 26.07.1934; ZFMK A.II.19.a⁶.ε., female, Linares, 24.08.1934; ZFMK 38.519, female, Linares, 02.07.1938; ZFMK 38.866, male, Linares, 05.08.1938, all leg. Grün. – Dickinson (2003): *Buteo buteo buteo* (Linnaeus, 1758).

Buteo vulgaris vulpicolor Kleinschmidt, 1938
Falco 34: 72.

Holotype: Coll. Kl. 7597, o, Pipret Swamps, Russia, 14.08.1917, leg. Rüdiger. – Dickinson (2003): *Buteo buteo vulpinus* (Gloger, 1833).

Buteo vulgaris ultravulpinus Kleinschmidt, 1938
Falco 34: 73.

Holotype: Coll. Kl. 7619, Caucasus, **lost**. – Dickinson (2003) presumably: *Buteo buteo menetriesi* Bogdanow, 1879.

Buteo vulgaris milanooides Kleinschmidt, 1938
Falco 34: 73.

Holotype: Coll. Kl. 7628, ,” female, Naljtschik, 07.” Caucasus, (without year), **lost**. – Dickinson (2003): *Buteo buteo menetriesi* Bogdanow, 1879.

Buteo vulgaris buteosimilis Kleinschmidt, 1938
Falco 34: 73.

Lectotypes: Coll. Kl. 7593, male juv., Bukowina, Romania, 19.09.1892, leg. Tschusi; Coll. Kl. 7594–7595, mated pair, 01.05.1871, Uman, S Russia, leg. Holtz, per C. v. Erlanger.

Neither in the original description nor in the Catalogue (Kleinschmidt 1935–1943) type specimens were defined; lectotypes designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Buteo buteo buteo* (Linnaeus, 1758).

Circus pygargus abdullae Floericke, 1896
Orn Monatsber 4: 155.

Lectotype: Coll. Kl. 8097, male ad., Kermene, E Kaspi, Turkmenia, 22.05.1896, leg. Floericke.

Described from a series of eight specimens, of which only four were skinned; Lectotype designated by Kleinschmidt (1935–1943: 190). According to the label three further specimens mentioned in the original description are housed in the museum at Tiflis. Therefore, this specimen should come from the Berlepsch collection.

OTIDIDAE

Choriotis arabs geyri Niethammer, 1954
Bonn zool Beitr 5: 193.

Lectotype: ZFMK 54.565, male, 250 km NW of Agades, Niger (Sahara). 30.01.1954, leg. G. Niethammer No 511; Second specimen of the description lost. – Dickinson (2003): *Choriotis arabs geyri*.

Afrotis afra böhmeri Hoesch & Niethammer, 1940
J Ornithol 88; Sonderheft: 124.

Holotype: ZFMK 39.789, male, E side of the Brandberg, Namibia, 23.09.1938, leg. G. Niethammer. – Dickinson (2003): *Afrotis afra* (Linnaeus, 1758).

RALLIDAE

Gallinula chloropus vestigialis Clancey, 1939
Bull BOC 59: 70.

Paratype: ZFMK 50.131, male, Renfrewshire, Scotland, 15.01.1936, leg. Clancey.

Syntypes in Collection Clancey, RSME, Edinburgh and Collection Ticehurst; t.t. Near Bardowie, Stirlingshire, Scotland. A large series of unspecified skins from various museums was investigated. – Dickinson (2003): *Gallinula chloropus chloropus* (Linnaeus, 1758).

HAEMATOPODIDAE

Haematopus ostralegus occidentalis Neumann, 1929
Gefiederte Welt 58: 161.

Holotype: ZFMK M.VI.14.a¹.α., male, Auskerry, Orkney Islands, 03.10.1913, leg. Ticehurst No 1491. Type defined by Neumann not until 1932 (Anz Orn Ges Bayern 2: 148). – Dickinson (2003): *Haematopus ostralegus ostralegus* Linnaeus, 1758.

CHARADRIIDAE

Charadrius hiaticula harrisoni Clancey, 1949
Limosa 22: 319.

Bonn zoological Bulletin 59: 29–77

Paralectotypes: ZFMK 50.318–50.319, male, female, Dalburgh and Bornish, Outer Hebrides, 17. and 23.06.1947, leg. Clancey, in exchange for other specimens handed to the ZFMK.

In the original description only the holotype is designated. Status of ZFMK specimens taken from inventory and labels. If not included in *Ch. h. hiaticula* Linné, 1758, one might regard this form as nom. nov. for the preoccupied *Charadrius hiaticula major* Seebohm, 1885. Its type ought to be regarded then as lectotype for Seebohm's subspecies, for which no type specimen exists. Type stored within the Collection Clancey, RSME, Edinburgh, t.t. Rudha Ard-vule, Bornish, South Uist, Outer Hebrides. – Dickinson (2003): *Charadrius hiaticula hiaticula* Linnaeus, 1758.

GLAREOLIDAE

Rhinoptilus africanus erlangeri Niethammer & Wolters, 1966
Bonn zool Beitr 17: 159.

Holotype: ZFMK 39.736, female ad., 40 km E Cape Cross, Namibia, 25.09.1938, leg. G. Niethammer No 139.

Paralectotypes: ZFMK 39.737, female, Erongo, 28.10.1938; ZFMK 39.738, female, Omaruru, 27.09.1938; ZFMK M.II.3.a.α., male, Kayas, 13.07.1934; ZFMK M.II.3.a.β., female, Kayas 15.07.1934; ZFMK G.II.3.a.γ., female, Ombutjomatamba, 30.08.1934; ZFMK M.II.3.a.δ., male, Ombutjomatamba, 08.03.1935, all leg. Hoesch; ZFMK 66.660, female, Hohenfels, Waterberg, 27.05.1931, leg. Maltzahn.

Described from a series of 14 specimens, of which five paratypes are not in the ZFMK. The name *Rhinoptilus a. sharpei* Erlanger, 1905, doesn't correspond to the subspecies above, it is in fact a synonym of *Rhinoptilus africanus africanus* (Temminck, 1807). – Dickinson (2003): *Rhinoptilus africanus erlangeri*.

ALCIDAE

Mormon arcticus meridionalis Jordans, 1914
Falco 10: 153.

Syntypes: ZFMK Q.I.7.a².γ., male, Bahia de Alcudia, Majorca, 07.04.1913; ZFMK Q.I.7.a².δ., female, Bahia de Alcudia, Majorca, 07.04.1913; leg. A. von Jordans, No 999–1000. – Dickinson (2003): *Fratercula arctica grabae* (C. L. Brehm, 1831).

Uria aalge hyberborea Salomonsen, 1932
Ibis Ser. XIII. 2: 130.

Holotype: ZFMK Q.I.1.a², ω., female ad., Bear Island, Scandinavia, 16.07.1907, leg. Koenig.

Paratypes: Of the 55 paratypes mentioned only 30 still exist; some of them are part of the permanent exhibition (diorama “Vogelfelsen” – “Bird rock”). – Dickinson (2003): *Uria aalge hyberborea*.

PTEROCLIDIDAE

Pterocles lichtensteini targius Geyr, 1916
Orn Monatsber 24 : 56.

Lectotypes: ZFMK L.I.1.c³.β. and δ., female, Oued Raris, Algeria, 16.04.1914. leg. Geyr.

Paralectotypes: 11 more individuals, ZFMK L.I.1.c³.α., male ad., Oued Raris, Algeria, 16.04.1914; ZFMK L.I.1.c³.γ. male, Oued Raris, 16.04.1914; ZFMK L.I.1.c³.ε., male, Amgid, Algeria, 21.04.1914; ZFMK L.I.1.c³.ζ. male, Amgid, Algeria, 21.04.1914; ZFMK L.I.1.c³.η., female, Amgid, Algeria, 21.04.1914; ZFMK L.I.1.c³.θ., male, Amgid, Algeria, 21.04.1914; ZFMK L.I.1.c³.ι., male, Oued Tidebar, Algeria, 24.04.1914 ; ZFMK L.I.1.c³.κ., male, Oued Tidebar, Algeria, 24.04.1914; ZFMK L.I.1.c³.λ., male, Oued Tidebar, Algeria, 25.04.1914; ZFMK L.I.1.c³.μ., male, Oued Tidebar, Algeria, 25.04.1914; ZFMK L.I.1.c³.ν., female, Oued Tidebar, Algeria, 25.04.1914; all leg. Geyr.

Originally described from a series of thirteen specimens. The type specimen labelled as such in the inventory of the ZFMK, – ZFMK L.I.1.c³.α., male ad., Oued Raris, 16.04.1914, – doesn't correspond to the type specimen named in the original description concerning location and date. The original description indicates a male, Quelle Tahart, 21.02.1914 – this specimen is apparently lost. – Dickinson (2003): *Pterocles lichtensteini targius*.

Pterocles senegallus remotus Neumann, 1934
Verh Orn Ges Bayern 20: 471.

Paratype: ZFMK I.I.2.a¹.β., female, Kulchi, Kunaria, W India, 20.02.1934, leg. Archer.

Holotype: male, Kunaria at Kutch, Nw-India, 20.02.1934, leg G. Arcker; supposedly at the MfN, Berlin.

Described from a series of four males and two females, whereabouts of other specimens not known. – Dickinson (2003): *Pterocles senegallus* (Linnaeus, 1771).

COLUMBIDAE

Streptopelia turtur loëi Jordans, 1923
Falco 19, Sonderheft: 5.

Holotype: ZFMK K.I.4.a².α. male, Albufera, Majorca, 07.06.1921., leg. A. von Jordans No 2914.

Paratypes: ZFMK K.I.4.a².β., male, Alcudia, Majorca, 10.05.1921; ZFMK K.I.4.a².γ., female, Alcudia, Majorca, 06.05.1921; ZFMK K.I.4.a².δ., female, 31.05.1921; all leg. A. von Jordans. – Dickinson (2003): *Streptopelia turtur turtur* (Linnaeus, 1758).

Turtur turtur hoggara Geyr, 1916
Orn Monatsber 24: 59.

Holotype: ZFMK K.I.4.b¹.α., male ad., Ideles, at the northern edge of the Hoggara Plateau, Algeria, 24.03.1914, leg. Geyr. Described from one single specimen. – Dickinson (2003): *Streptopelia turtur hoggara*.

Columba livia targia Geyr, 1916
Orn Monatsber 24: 58.

Holotype: ZFMK K.I.1.a^{b2}.α., male ad., Ain Tahart, Algeria, 21.02.1914;

Paratypes: ZFMK K.I.1.a^{b2}.β., female, Ain Tahart, Algeria, 21.02.1914; ZFMK K.I.1.a^{b2}.γ., male, Ideles, Algeria, 25.03.1914; ZFMK K.I.1.a^{b2}.δ., male, Amgid, Algeria, 14.02.1914; ZFMK K.I.1.a^{b2}.ε., female, Ain Tahart, Algeria, 21.02.1914; ZFMK K.I.1.a^{b2}.ζ., female, Amgid, Algeria, 14.02.1914; ZFMK K.I.1.a^{b2}.η., male, Ain Tahart, Algeria, 24.04.1914; ZFMK K.I.1.a^{b2}.θ., female, Amgid, Algeria, 14.02.1914; ZFMK K.I.1.a^{b2}.ι., female, Ain Tahart, Algeria, 21.02.1914; all leg. Geyr.

In the collection of the ZFMK eight specimens are registered as *targia*, five males and three females, in the description only three males and two females are mentioned. – Dickinson (2003): *Columba livia targia*.

CUCULIDAE

Centropus heuglini Neumann, 1911

In Koenig, 1910: Verhandl. V. Intern. Orn. Kongr. Berlin: 504.

?Paratypes: ZFMK C.I.3.b.α.–δ., 2 males, female, male juv., Bahr-el-Gazal, Lado and Bahr-el-Zeraf, 28.02; 07., 12. and 20.03.1910, Egyptian Sudan, leg. le Roi, Koenig, Nolda.

The specimens listed above were labelled as syntypes by Koenig in the ZFMK inventory; their status as paratypes is questionable. Type specimen is the female of the SMNS, Stuttgart, No 5662 collected by Heuglin at Bahr el Ghazal, 02.1866, another paratype No 1916, a juvenile specimen from the collection of Herzog Paul v. Württemberg, Fazoqla, leg. 1843. – Dickinson (2003): *Centropus monachus fischeri* Reichenow, 1887.

TYTONIDAE

Strix ernesti Kleinschmidt, 1901

Orn Monatsber 9: 168.

Holotype: Coll. Kl. 6945, male, Loceri Ogliastra, Sardinia, 17.04.1901.

Paratypes: Not defined, the Catalogue (Kleinschmidt 1935–1938) lists eight specimens as potential paratypes for *S. ernesti* – Dickinson (2003): *Tyto alba ernesti*.

Tyto alba kleinschmidti Jordans, 1923

Falco 19, Sonderheft: 5.

Holotype: ZFMK A.III.13.a⁶.γ., male, Alcudia, Majorca, 09.05.1921, leg. A. von Jordans No 3098.

Paratypes: ZFMK A.III.13.a⁶.α., male, Alcudia, Majorca, 07.04.1913; ZFMK A.III.13.a⁶.β., female, Alcudia, Majorca, 09.05.1913; ZFMK A.III.13.a⁶.γ., male, Alcudia, Majorca, 09.05.1921; ZFMK A.III.13.a⁶.δ., female, Alcudia, Majorca, 22.05.1921; ZFMK A.III.13.a⁶.ε., male, Alcudia, Majorca, 24.05.1921; ZFMK A.III.13.a⁶.ζ., male, Alcudia, Majorca, 09.05.1921. – Dickinson (2003): *Tyto alba alba* (Scopoli, 1769).

Strix hostilis Kleinschmidt, 1915

Falco 11: 18.

Syntypes: Coll. Kl. 6952, male, Hurst, Sussex, England, 08.1894, and Coll. Kl. 6953, female, Bramber, Sussex, (with parts of the skeleton), 10.09.1897, both per Brazenor, Brighton. – Dickinson (2003): *Tyto alba alba* (Scopoli, 1769).

Strix flammea rhenana Kleinschmidt, 1906

Berajah, Strix Flammea: 4: 20.

Lectotype: Coll. Kl. 6920, female, Kornsand, Rhine near Darmstadt, 03.11.1899, leg. Kleinschmidt.

Paralectotypes: Coll. Kl. 6921–6930, 4 males, 6 females, same location, 10.1892; 03., 10., 11.1899, 09., 10.1901 and 04.1903, leg. Kleinschmidt.

Named by Kleinschmidt because Brehm's type (see below) is thought to refer to a migrant not native to Middle Germany. No type designated in the original description; type series designated in the catalogue (Kleinschmidt 1935–1943: 147); lectotype by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Tyto alba guttata* (C.L. Brehm, 1831).

Tyto alba (Strix Flammeata) hauchecornei Kleinschmidt, 1940

Falco 36: 59.

Syntype: Coll. Kl. 6978, o, caught in Chile, perished in the Cologne Zoological Garden.

The other syntype is housed in the SNS, Dresden, C 48381. – Dickinson (2003): *Tyto alba tuidara* (J. E. Gray, 1829).

STRIGIDAE

Otus leucotis Margarethae Jordans & Neubaur, 1932

Falco 28: 9.

Holotype: ZFMK A.III.10.e¹.α., male, Zankab, Bahr-el-Abiad, Sudan, 07.04.1910, leg. le Roi.

Paratypes: ZFMK A.III.10.e¹.β., male, Zankab, Bahr-el-Abiad, Sudan, 07.04.1910; ZFMK A.III.10.e¹.γ., female ad., Zankab, Bahr-el-Abiad, Sudan, 07.04.1910. – Dickinson (2003): *Ptilopsis leucotis* (Temminck, 1820).

Otus scops mallorcae Jordans, 1923
Falco 19: 5.

Holotype: ZFMK A.III.10.a¹.ε., female, Alcudia, Majorca, 22.V.1921, leg. A. von Jordans No 3045.

Paratypes: ZFMK A.III.10.a¹.β., male, Alcudia, Majorca, 05.04.1913; ZFMK A.III.10.a¹.γ., male, Alcudia, Majorca, 07.04.1913; ZFMK A.III.10.a¹.δ., female, Alcudia, Majorca, 09.04.1913; ZFMK A.III.10.a¹.ζ., male, Alcudia, Majorca, 09.06.1921; ZFMK A.III.10.a¹.η., male, Alcudia, Majorca, 11.06.1921; ZFMK A.III.10.a¹.θ., male, Alcudia, Majorca, 13.06.1921, all leg. A. von Jordans.

Originally a series of eleven specimens is mentioned; one exchanged with AMNH, New York, two specimens are untracable. – Dickinson (2003): *Otus scops mallorcae*.

Athene noctua Grüni Jordans & Steinbacher, 1941
An. Nat Hist Mus Wien 52: 234.

Holotype: ZFMK 40.238, female ad., Lagos, Portugal, 13.04.1939, leg. Grün.

Paratypes: ZFMK 40.230, male, Lagos, Portugal, 18.05.1939; ZFMK 40.231, female, Lagos, Portugal, 01.05.1939; ZFMK 40.232, female, Lagos, Portugal, 25.04.1939; ZFMK 40.233, female, Lagos, Portugal, 02.05.1939; ZFMK 40.234, female, Lagos, Portugal, 27.03.1939; ZFMK 40.235, female, Lagos, Portugal, 18.04.1939; ZFMK 40.236, male, Lagos, Portugal, 22.04.1939; ZFMK 40.237, female, Lagos, Portugal, 17.04.1939; ZFMK 40.239, female, Lagos, Portugal, 19.05.1939, all leg. Grün. – Dickinson (2003): *Athene noctua vidalii* A. E. Brehm, 1857.

Strix Athene sarda Kleinschmidt, 1907
Falco 3: 65.

Lectotype: Coll. Kl. 6748, female, Ilini, Sardinia, 18.10.1901.

Paralectotype: Coll. Kl. 6749, female, Ogliastra, Sardinia, 04.04.1907.

Described from three specimens, no type specimen defined in the original description, in Catalogue (Kleinschmidt 1935–1943: 143) only two specimens mentioned with status as Holo- and Cotypus. – Dickinson (2003): *Athene noctua noctua* (Scopoli, 1769).

Strix Athene ruficolor Kleinschmidt, 1907
Falco 3: 65.

Lectotype: Coll. Kl. 6754, male, Marrakesch, Morocco, 28.12.1899; leg. Floericke.

Paralectotypes: Coll. Kl. 6755, female juv., Drenkat, 12.12.1899; Coll. Kl. 6756, o ad., Doukalla, 17.11.1899, all leg. Floericke.

Described from nine specimens, no type designated in original description or in his Catalogue, Kleinschmidt (1938–1943: 144). – Dickinson (2003): *Athene noctua glaux* (Savigny, 1809).

Strix saharae Kleinschmidt, 1909
Falco 5: 19.

Holotype: Coll. Kl. 6757, o, Moulaina, Algerian Sahara, 20.03.1903, leg. Flükiger?

Paralectotypes: Coll. Kl. 6758, male, Biskra, Algeria, 12.12.1903; Coll. Kl. 6759, male, Biskra, Algeria, 15.03.1904; Coll. Kl. 6760, male, Biskra, Algeria, 30.01.1903, all leg. Flükiger.

Only type designated in original description, no number of paratypes given; paralectotypes designated in his Catalogue (Kleinschmidt 1938–1943: 144). – Dickinson (2003): *Athene noctua saharae*.

Bubo africanus kollmannspergeri Niethammer, 1957
Bonn zool Beitr 8: 287.

Holotype: ZFMK 57.1900, male, Guelta Basso, Ennedi, 11.09.1954, leg. Kollmannsperger.

Described from a single specimen. – Dickinson (2003): *Bubo cinerascens* Guérin-Ménéville, 1843.

Strix aluco clanceyi Jordans, 1950
Syll Biol, Festschr. Kleinschmidt: 176.

Holotype: ZFMK A.III.12.a².ε., male, Linares, Salamanca, Spain, 03.04.1935, leg. Grün.

Paratypes: ZFMK A.III.12.a².α., male, Mosqueruela near Teruel, Spain, 23.09.1930; ZFMK A.III.12.a².β., female, Mosqueruela near Teruel, Spain, 29.09.1930; ZFMK A.III.12.a².γ., male, Mosqueruela near Teruel, Spain, 09.09.1930; ZFMK A.III.12.a².δ., male, Mosqueruela near Teruel, Spain, 29.09.1930; ZFMK A.III.12.a².ζ., female,

Linares, Spain, 07.04.1935; ZFMK 36.518, male, Linares, Salamanca, Spain, 16.03.1938; ZFMK 46.294, female, Lagunailla, Spain, 25. 12. 1940; ZFMK 46.295, female, Linares, Spain, 25.12.1940; ZFMK 46.296, female, Linares, Spain, 26.07.1941; all leg. Grün. – Dickinson (2003): *Strix aluco sylvatica* Shaw, 1809.

Glaucidium bolivianum König, 1991
Ökol Vögel 13: 36, Abb. 10, p. 38.

Paratype: ZFMK 54.684, male, brown morph, Lambate, La Paz province, Bolivia, 2300m, 14.09.1953.

The holotype is at the SMNS, Stuttgart. – Dickinson (2003): *Glaucidium bolivianum*.

Glaucidium peruanum König, 1991
Ökol Vögel 13: 57, Abb. 29, p. 58.

Paratypes: ZFMK 54.1398, female, Lima, Peru, 01.12.1945; ZFMK 60.191, female, w Andean slopes, C Peru, 1500m.

The holotype is stored at the BMHM, Tring. – Dickinson (2003): *Glaucidium peruanum*.

CAPRIMULGIDAE

Nyctiphrynus ocellatus bergeni Niethammer, 1953
Bonn zool Beitr 4: 285.

Holotype: ZFMK 52.229, male ad., Quiquibey, Bolivia, 13.09.1951, leg. G. Niethammer.

Described from one specimen. – Dickinson (2003): *Nyctiphrynus ocellatus ocellatus* (Tschudi, 1844).

Caprimulgus inornatus malbranti Niethammer, 1957
Bonn zool Beitr 8: 279.

Holotype: ZFMK 57.1901, male ad., rock between Wadi Rei and Wadi Basso, Ennedi, Chad, 03.09.1957, leg. Kollmannsperger.

Of four males and four females collected, only the holotype has been prepared. – Dickinson (2003): *Caprimulgus inornatus* Heuglin, 1869.

APODIDAE

Streptoprocne zonaris künzeli Niethammer, 1953
Bonn zool Beitr 4: 286.

Holotype: ZFMK 52.231, male, Puri (1200 m), Yungas of La Paz, Bolivia, 30.10.1951, leg. Künzel.

Paratypes: ZFMK 52.232, female, Puri (1200 m), Yungas of La Paz, Bolivia, 30.10.1951; ZFMK 53.49, female, Puri (1200 m), Yungas of La Paz, Bolivia, 18.11.1952, ZFMK 53.50, female, Puri (1200 m), Yungas of La Paz, Bolivia, 18.11.1952, all leg. Künzel. – Dickinson (2003): *Streptoprocne zonaris kuenzeli*.

TROCHILIDAE

Phaethornis koepckeae Weske & Terborgh, 1977
Condor 79: 143–147.

Paratype: ZFMK 83.66, female, Cerros del Sira, Cabezas del Rio Llullapichis, Selva tropical, ca. 650 m AMSL, Peru, 24.07.1971, leg. Koepcke and Terborgh. Original No Kp 1959c.

Holotype at the AMNH, No 820872, female ad., Cerros del Sira, 9°30'S, 74°47'W, Depto. Huánuco, Peru. Two remaining paratypes are stored in Hamburg (ZMH) and Lima (MHN Javier Prado). – *Phaethornis koepckeae* is systematically allocated in the proximity of *Phaethornis bourcierii* and *Phaethornis philippii*. – Dickinson (2003): *Phaethornis koepckeae*.

Thalurania nigricapilla Valdés-Velásquez & Schuchmann, 2009
Ornithol Anz 48: 144–145., Abb. 2

Holotype: ZFMK 81.384, adult male, Lake Calima (Laguna de Calima, Embalse de Calima), (03°50'N, 76°30'W), 50km N of Cali, Valle del Cauca, Colombia, leg. Schuchmann.

Paratype: ZFMK 81.383, adult male, forest NW of Yotoco on road to Puente Tierra at Lake Calima, vicinity of Alto de los Torros (03°53'N, 76°27'W), Valle del Cauca, Colombia, leg. Schuchmann.

Only these two specimens were examined.

Trochilus Adelomyia intergrediens Kleinschmidt, 1943
Katalog meiner ornithologischen Sammlung: 222.

Holotype: Coll. Kl. 8957, Central Cordillera, Rio Toche, Quindiu-Pass and Canon del Monte Tolima, 1700–2400 m AMSL, Colombia, 20.09.1909, leg. Fassl.

Paralectotypes: Coll. Kl. 8958–8962, data like holotype.

In the short original description only the holotype is designated; paralectotypes designated by Schuchmann (1984). – Dickinson (2003) presumably: *Adelomyia melanogenys cervina* Gould, 1872.

Trochilus Adelomyia ultracervinus Kleinschmidt, 1943
Katalog meiner ornithologischen Sammlung: 222.

Holotype: Coll. Kl. 8963, St. Antonio, W Cordillera, 2100 m AMSL, Colombia, 08.06.1909, leg. Fassl.

Paralactotypes: Coll. Kl. 8964–8968, data like holotype.

In the short original description only the holotype is designated; paralectotypes designated by Schuchmann (1984). – Dickinson (2003) presumably: *Adelomyia melanogenys cervina*.

Lafresnaya lafresnayi longirostris Schuchmann, Weller & Wulfmeyer, 2003
Orn Neotropical 14: 160.

Holotype: Coll. Kl. 9569, Madim, Paso del Quindio, 2500m, Colombia, 29.09.1909, leg. A. H. Fassl.

Paratypes: Coll. Kl. 9570, Rio Toche, Paso del Quindio, Tolima, 2100m, 10.10.1909; Coll. Kl. 9572, Volcancito, Paso del Quindio, all leg. Fassl.

Coeligena lutetiae albimaculata Sanchez-Osés, 2006
Bull Brit Orn Cl 126: 6–7.

Holotype: ZFMK 85.87, male, Crater of Volcán Pichincha, Ecuador (00°10'S, 78°33'W), deposited by Schröder in the Dernerde Collection November 1912.

Paratypes: ZFMK 85.76, 85.78–79, 3 males, Santo Domingo de los Colorados, Ecuador; ZFMK 85.81–84, 4 females, Santo Domingo de los Colorados, Ecuador; ZFMK 8589, Campamento Pailón, Carchi, Ecuador (00°29'S, 77°55'W), all deposited in the Dernerde Collection by Schröder in November 1912.

Eustephanus galeritus robinsoni Dernerde, 1943
Falco 37: 18.

Lectotype: Coll. Dernerde 10248, male, Juan Fernandez Islands, Chile, 04.1927, leg. Castillo.

See next taxon.

In the short original description no type specimen was defined. Lectotype designated by Schuchmann (1984). – Supposedly Dickinson (2003): *Sephanoides fernandensis fernandensis* (King, 1831).

Eustephanus dernerdei Kleinschmidt, 1943
Falco 37: 18.

= *Eustephanus galeritus robinsoni* Dernerde, 1943 – renamed by Kleinschmidt, 1941 as *Eustephanus dernerdei* because of *Ornysmia* (= *Eustephanus* = *Sephanoides*) *robinsoni* Delattre & Lesson, 1839. Type specimen Coll. Dernerde 10248. – Supposedly Dickinson (2003): *Sephanoides fernandensis fernandensis* (King, 1831).

Trochilus Exortis fassli Kleinschmidt, 1943
Katalog meiner ornithologischen Sammlung: 225.

Lectotype: Coll. Kl. 9723, male ad., Monte Socorro, Cali, W Cordillera, 3800 m AMSL, Colombia, 27.07.1909, leg. Fassl.

Paralectotypes: Coll. Kl. 9724–9727, 4 males, locality like holotype.

In the very short description Coll. Kl. Nos 9723–9727 are referred to the new taxon, no specifications are given. Lectotype and paralectotypes designated by Schuchmann (1984). – Dickinson (2003): *Heliangelus exortis* (Fraser, 1840).

Trochilus Caligula incommodus Kleinschmidt, 1943
Katalog meiner ornithologischen Sammlung: 225.

Lectotype: Coll. Kl. 9670, male ad., St. Antonio, W Cordillera, 2000 m AMSL, Colombia, 17.04.1909, leg. Fassl.

Paralectotypes: Coll. Kl. 9671–9699, 6 males, 23 females, Sta. Magarita, W Cordillera, Colombia.

In the very short description Coll. Kl. Nos 9723–9727 are referred to the new taxon, no specifications are given. Lectotype and paralectotypes desig. by Schuchmann (1984). – Dickinson (2003): *Ocreatus underwoodii incommodus*.

Ramphomicron microrhynchum bolivianum Schuchmann, 1984
Bull Brit Orn Cl 104: 7.

Holotype: ZFMK 81.367, male ad., Cocapata, Bolivia, 07.1980, leg. Cordier.

No paratypes exist. – Dickinson (2003): *Ramphomicron microrhynchum bolivianum*.

Chalcostigma herrani tolimae Kleinschmidt, 1927
Falco 23/1: 5.

Holotype: Coll. Kl. 9764, male ad., Monte Tolima, 4000 m AMSL, Colombia, 02.1910, leg. Fassl.

Paratypes: Coll. KL. 9765–9767, male ad., male immat., female, locality like holotype. – Dickinson (2003): *Chalcostigma herrani tolimae*.

COLIIDAE

Colius macrourus laeneni Niethammer, 1955
Bonn zool Beitr 6: 56.

Holotype: ZFMK 54.468, male, Baguezan, 150 km N Agades, Niger, 08.02.1954, leg. Laenen.

Paratypes: ZFMK 54.557 and 54.1051, 2 females, N Agades, Niger, 31.01.1954, leg. Laenen.

Described from a series of four males and three females; only three specimens found in the collection of ZFMK. – Dickinson (2003): *Urocolius macrourus laeneni* (Niethammer, 1955).

ALCEDINIDAE

Alcedo ispida, var. taprobana Kleinschmidt, 1894
Orn Monatsber 2: 126.

Lectotype: Coll. Kl. 6608, male, Kalawewe, Ceylon, 03.04.1889, leg. Geisler, per Schlüter.

Paralectotype: Coll. Kl. 6609, male, Kalawewe, Ceylon, 28.03.1889, leg. Geisler, per Schlüter.

The original description doesn't indicate a holotype. It was defined by Kleinschmidt (1935–1943: 140) in his Catalogue. – Dickinson (2003): *Alcedo atthis taprobana*.

Bonn zoological Bulletin 59: 29–77

MEROPIDAE

Merops orientalis flavoviridis Niethammer, 1955
Bonn zool Beitr 6:53.

Holotype: ZFMK 54.1031, male ad., Archei, Ennedi, Chad, 09.04.1954, leg. G. Niethammer No 241.

Paratypes: ZFMK 54.556, male, N Agades, Niger (Sahara), 04.02.1954 ; ZFMK 54.1030, male, Archei, Ennedi, Chad, 10.04.1954; ZFMK 80.360, male, Archei, Ennedi, Chad, 11.04.1954, all leg. G. Niethammer.

Described from a series of three males from Ennedi and four males from Agades; three further specimens untraceable. – Dickinson (2003): *Merops orientalis viridissimus* Swainson, 1837.

PICIDAE

Campethera tullbergi poensis Eisentraut, 1968
Bonn zool Beitr 19: 52.

Holotype: ZFMK 63.1342, female ad., Moka Valley, Fernando Poo, 21.01.1963, leg. Eisentraut No 879.

Paratype probably in SMNS, Stuttgart. – Dickinson (2003): preoccupied by *Campethera nivosa poensis* Alexander 1903; *Campethera tullbergi tullbergi* (Sjöstedt, 1892).

Dendrocopus minor hispaniae Jordans, 1939
Falco 34: 52.

Holotype: ZFMK 38.508, male ad., Linares de Riofrio, Salamanca, Spain, 02.04.1938, leg. Grün.

Paratypes: ZFMK 38.509, male, Linares de Riofrio, Salamanca, Spain, 30.03.1938; ZFMK 38.511, female, Linares de Riofrio, Salamanca, Spain, 25.03.1938; ZFMK 38.512, male, Linares de Riofrio, Salamanca, Spain, 27.12.1934; ZFMK 38.514, male juv., Linares de Riofrio, Salamanca, Spain, 08.07.1936; ZFMK 38.515, female juv., Linares de Riofrio, Salamanca, Spain, 09.07.1936; ZFMK 38.516, female, Lagunilla, Salamanca, Spain, 18.01.1934, all leg. Grün.

ZFMK 38.512 and 38.513 exchanged with Natural History Museum, Warsaw. – Dickinson (2003) presumably: *Dendrocopus minor buturlini* (E. Hartert, 1912).

Dryobates minor Heinrichi Jordans, 1940
Mitt Königl Naturwiss Inst Sofia, 13: 131.

Holotype: ZFMK 38.614, male ad., Kamtschyja, Bulgaria, 06.06.1935, leg. Heinrich, PMZ Warsaw No 290.

Paratype: ZFMK 38.615, same locality, 08.06.1935, leg. Heinrich.

Erroneously, registration number ZFMK 38.875 was published for the type specimen in the original description. – Dickinson (2003): *Dendrocopos minor buturlini* (E. Hartert, 1912).

Picus minor bacmeisteri Kleinschmidt, 1916
Falco 11: 14.

Lectotype: Presumably Coll. Kl. 6463, male, La Tourauderie, Departement des Ardennes, France, 11.03.1916, leg. Bacmeister.

Described from three males and one female. In the original description no type specimen was defined, specimen even not labelled as type; lectotype designated by Rheinwald & van den Elzen (1984). – It is the only specimen with this name, in both the Collection Kleinschmidt in Bonn and in the Catalogue (Kleinschmidt 1935–1943: 137). – Dickinson (2003) presumably: *Dendrocopos minor hortorum* (C. L. Brehm, 1831).

Picus Minor silesiacus Kleinschmidt, 1917
Ornis Germanica (supplement of Falco) 1: 5.

Lectotype: Coll. Kl. 6452, male, Rothhaus a.d. Neisse, Silesia, 13.04.1894.

The very brief description “between *Picus Minor typominor* and *hortorum*” gives no type specimen. A single type specimen was designated by Kleinschmidt (1935–1943: 136) in his Catalogue, no paralectotypes were defined. – Dickinson (2003): *Dendrocopos minor hortorum* (C. L. Brehm, 1831).

Picus major arduennus Kleinschmidt, 1915
Falco 11: 12.

Lectotypes: Coll. Kl. 6396, male, Departement des Ardennes, France, 04.04.1916; Coll. Kl. 6397, female, La Tourauderie, Departement des Ardennes, France, 04.04.1916, leg. Bacmeister.

No types defined in the description, only specified in Catalogue (Kleinschmidt 1935–1943: 135). – Dickinson (2003): *Dendrocopos major pinetorum* (C. L. Brehm, 1831).

Picus major hispanus Schlüter, 1908
Falco 4: 11.

Syntypes: Coll. Kl. 6398, male, Sevilla, Spain, 14.01.1907; Coll. Kl. 6399 female, Espera, 12.02.1907; Coll. Kl. 6400 female, Sevilla, 13.09.1906, per W. Schlüter.

The third female defined in the description is not in the Coll. Kl. The male is labelled as “typus”. – Dickinson (2003): *Dendrocopos major hispanus* (Schlüter, 1908).

Dendrocopos maior thanneri le Roi, 1911
Orn Monatsber 19: 81.

Syntypes: ZFMK E.I.5.a⁵.ε., male, Mogan, Gran Canaria, 03.1909, and ZFMK E.I.5.a⁵.τ., female, Mogan, Gran Canaria, 03.1909, leg. Thanner.

Paratypes: ZFMK E.I.5.a⁵.α., male, Mogan, Gran Canaria, 03.1909; ZFMK E.I.5.a⁵.γ., male, Gran Canaria, 03.1909; ZFMK E.I.5.a⁵.δ., male, Mogan, Gran Canaria, 03.1909; ZFMK E.I.5.a⁵.ζ., female, Mogan, Gran Canaria, 03.1909; ZFMK E.I.5.a⁵.η., female, Mogan, Gran Canaria, 03.1909; ZFMK E.I.5.a⁵.θ., female, Mogan, Gran Canaria, 03.1909; ZFMK E.I.5.a⁵.κ., male, Mogan, Gran Canaria, 04.1909; ZFMK E.I.5.a⁵.λ., Mogan, Gran Canaria, 04.1909, all leg. Thanner.

Described from six males and six females, ZFMK E.I.5.a⁵.β., exchanged with the AMNH (New York). The syntypes are a breeding pair. – Dickinson (2003): *Dendrocopos major thanneri*.

Picus (Dendrocopos) canariensis Koenig, 1889
J Ornithol 37: 263.

Syntypes: ZFMK E.I.5.a⁴.α. and β., male, female, Pinar of Icod de la Vinos, Tenerife, 23.04. and 17.02.1889, leg. Koenig.

Paratype: ZFMK E.I.5.a⁴.γ., male, same locality as types, 26.01.1889.

In the original description the t. t. is indicated as “Canary Islands”; it is restricted by Rheinwald & van den Elzen (1984) to Tenerife. The type specimens have been shown in the exhibition of the museum and were prepared as

skins not before 1943. One paratype, ZFMK E.I.5.a⁴.δ, was exchanged with the AMNH, New York. – Dickinson (2003): *Dendrocopos major canariensis*.

Dryobates major beicki Stresemann, 1927
Orn Monatsber 35: 134.

Paratype: Coll. Kl. 6417, female, Tschan-to, Kansu, China, 30.I.1927, leg. Beick, No 337.

Type specimen at the MfN, Berlin, No 27.194, t. t. Lan-hukou, Kansu, China. – Dickinson (2003): *Dendrocopos major beicki* (Stresemann, 1927).

Mesopicos goertae koenigi Neumann, 1903
Orn Monatsber 11: 181.

Holotype: ZFMK E.I.9.a¹.α., male ad., S Mutir, “Egyptian Sudan”, 16.03.1903, leg. Koenig, No 375.

Description apparently based on only the type specimen – Dickinson (2003): *Dendropicos goertae koenigi* (Neumann, 1903).

Jynx torquilla tschusii Kleinschmidt, 1907
Falco 3: 103.

Holotype: Coll. Kl. 6560, male, Lanusei, Ogliastra, Sardinia, 20.01.1907.

Obviously description from only this single specimen. – Dickinson (2003): *Jynx torquilla tschusii*.

COTINGIDAE

Zaratornis stresemanni Koepcke, 1954
Publ Mus Hist Nat Javier Prado 16: 1.

Paratype: ZFMK 55.103, female, Zaráte near San Bartolomé. 60–70 km to Lima, Peru, 11.10.1953, leg. Koepcke, No Kp 1019 h.

Holotype at the MHN Javier Prado, Lima, No Kp 1019 i. t. t. as above. – Dickinson (2003): *Zaratornis stresemanni*.

FURNARIIDAE

Synallaxis zimmeri Koepcke, 1957
Publ Mus Hist Nat Javier Prado 18: 1.

Paratype: ZFMK 56.1069, female, Colcabamba, tributary river of Rio Cosma, 9°36’S, Peru, 17.08.1956, leg. Koepcke, No Kp 1438 n.

Described from four specimens. Holotype MHN Orn 0584, Kp 1438 p, at the MHN Javier Prado, Lima, t. t. as paratype; 2nd paratype MHN Orn. O585, Kp 1438 o, at the MHN Javier Prado, Lima; 3rd paratype KP 1450 a in the AMNH, New York. – Dickinson (2003): *Synallaxis zimmeri*.

Asthenes pudibunda grisior Koepcke, 1961
Am Mus Novitates 2028: 13.

Paratype: ZFMK 60.171, female, upper Pisco valley, between Huarhac and Manzanallo, Peru, 25.11.1957, leg. Koepcke, No 1482 a.

Holotype at the MHN Javier Prado, Lima, Orn 0624, Kp 1371 s, t. t. Chuquibamba, Peru. – Dickinson (2003): *Asthenes pudibunda grisior*.

Asthenes cactorum Koepcke, 1959
Beitr neotrop Fauna 1: 243.

Paratype: ZFMK 56.1038, male, Pacaychacra, below Chuquibamba, department of Arequipa, Peru, 30.01.1956, leg. Koepcke, No 1374 b. See next taxon.

Described from a series of eight specimens. Holotype: at the MHN Javier Prado, Lima, Kp 1341 f. Atico, southern Peru, 08.01.1956. – Dickinson (2003): *Asthenes cactorum cactorum*.

Asthenes cactorum monticola Koepcke, 1965
Beitr neotrop Fauna 4: 162

Paratype: ZFMK 56.1038, see previous taxon.

Described from ten specimens. Holotype at the AMNH, New York, male, George No 1742, t.t. 24 km N Arequipa, Peru. Our paratype has previously been a paratype of the newly described species *cactorum*. – Dickinson (2003): *Asthenes cactorum monticola*.

Asthenes cactorum lachayensis Koepcke, 1965
Beitr neotrop Fauna 4: 164

Paratype: ZFMK 67.189, male, Lomas of Lachay, ca. 90 km N Lima, Peru. 24.10.1959, leg. Koepcke, No 1640 a.

Described from a series of eight specimens. Holotype: MHN Orn 1902, Kp 1677 f at the MHN Javier Prado, Lima, t. t. as above; two further paratypes at the AMNH, New York and four at the LSUMZ. – Dickinson (2003): *Asthenes cactorum lachayensis*.

Cranioleuca antisiensis zaratensis Koepcke, 1961
Publ Mus Nat Hist. Javier Prado 20: 1.

Paratype: ZFMK 55.108, female, Zárata near San Bartolomé, 11°54'S, Peru, 10.X.1953, leg. Koepcke, No KP 1019 d.

Holotype MHN Orn 0641, KP 917 u, at the MHN Javier Prado, Lima, t. t. as above. – Dickinson (2003) presumably: *Cranioleuca antisiensis palamblae* (Chapman, 1923).

LANIIDAE

Lanius excubitor galliae Kleinschmidt, 1917
Falco 13: 24.

Lectotype: Coll. Kl. 2161, male, Thenorgues, Departement des Ardennes, France, 25.02.1916, leg. Döbritz, per Bacmeister.

No type specimen designated in the poor description or in the Catalogue (Kleinschmidt 1935–1943: 56). Lectotype designation by Rheinwald & van den Elzen (1984), based on label in collection. It is uncertain whether the specimens Coll. Kl. 2162–2164 may be considered as paralectotypes. – Dickinson (2003): *Lanius excubitor excubitor* Linnaeus, 1758.

Lanius Excubitor tingitanus Kleinschmidt, 1943
Katalog meiner ornithologischen Sammlung: 57.

Lectotype: Coll. Kl. 2186, male, Tanger, Morocco, 08.05.1885, leg. Olcese;

Paralectotype: Coll. Kl. 2187, ? female, Tanger, 07.11.1898, leg. Floericke.

Only very poor specification in Catalogue given (Kleinschmidt 1935–1943: 57), no types designated; lectotype Bonn zoological Bulletin 59: 29–77

by Rheinwald & van den Elzen (1984), based on handwritten information on label in collection. – Dickinson (2003) presumably: *Lanius excubitor excubitor* Linnaeus, 1758.

Lanius senator flückigeri Kleinschmidt, 1907
Falco 3: 68.

Lectotype: Coll. Kl. 2259, male, Lambèse, Algeria, 1.06.1904, leg. Flükiger.

? Paralectotypes: Coll. Kl. 2257–2261, male, 2 females, o, as type specimen, 06.1904 and 05.1903, leg. Flükiger.

Kleinschmidt erroneously wrote Flükiger with “ck”; no type designated in first description; lectotypes by Rheinwald & van den Elzen (1984), based on label in collection. – Dickinson (2003) presumably: *Lanius senator senator* Linnaeus, 1758.

Lanius senator erlangeri Kleinschmidt, 1919
Falco 14: 16.

Lectotype: Coll. Kl. 2264, male, Tunis, „April“, without year, bought 21.02.1916 from Schlüter. Very poor description, type only designated in the Catalogue (Kleinschmidt 1935–1943: 58). – Dickinson (2003) presumably: *Lanius senator senator* Linnaeus, 1758.

Lanius senator weigoldi Kleinschmidt, 1919
Falco 14: 16.

Lectotype: Coll. Kl. 2243, male, Malaga, Spain, date hardly legible, 01.or 07.03.1904.

Poor description, no material specified, no type specimen designated; lectotype designated from the Catalogue (Kleinschmidt 1935–1943: 58). – Dickinson (2003): *Lanius senator rutilans* Temminck, 1840.

Lanius Senator italiae Kleinschmidt, 1922
Falco 18: 24.

Holotype: Coll. Kl. 2244, male, Monte del Casentino, Tuscany, Italy, 16.07.1922.

Paratype: Coll. Kl. 2245, male, Foggia, Italy, 25.04.1921.

Described from a series of six specimens, four from the private collection of Schlüter. – Dickinson (2003): *Lanius senator senator* Linnaeus, 1758.

Lanius collurio juxtus Clancey, 1951
Bonn zool Beitr 2: 83.

Paratype: male, Martlesham, Woodbridge, E Suffolk, England, 31.05.1941, said to be held at the ZFMK **lost**; holotype in the Clancey collection, RSME, Edinburgh.

Described from a series of eight specimens; British population probably extinct. – Dickinson (2003): *Lanius collurio collurio* Linnaeus, 1758.

Laniarius fuelleborni camerunensis Eisentraut, 1968
Bonn zool Beitr 19: 55.

Holotype: ZFMK 68.12, male, above Dikume-Balue, Rumpi Hills, Cameroon, 25.02.1967, leg. Eisentraut No 1068.

Paratypes: ZFMK 61.1427, male, Cameroon Mountains, 09.02.1958; ZFMK 61.1428, female, Cameroon Mountains, 20.11.1957; ZFMK 61.1429, male, Cameroon Mountains, 09.11.1957; ZFMK 68.952, male, Mt. Kupe, 01.12.1966; ZFMK 68.953, male, Lake Manenguba, 30.12.1966; ZFMK 68.954, male, Dikume, Rumpi Hills, 22.02.1967; ZFMK 68.955, male, Dikume, Rumpi Hills, 23.02.1967; ZFMK 68.956, male, Dikume, Rumpi Hills, 25.02.1967; ZFMK 68.957, male, Dikume, Rumpi Hills, 02.03.1967; ZFMK 68.958, female, Dikume, Rumpi Hills, 17.02.1967, all leg. Eisentraut.

Described from a larger series of twenty-one males and ten females, rest of series in SMNS, Stuttgart? – Dickinson (2003): *Laniarius poensis camerunensis*.

ORIOOLIDAE

Oriolus chlorocephalus specularifer Clancey, 1969
Durban Museum Novit 8: 249 (April 1969)

Bull Brit Orn Cl 89: 108 (August 1969)

Holotype: ZFMK 68.2695, female, Gorongosa Mountain, Mozambique, 25.10.1968, leg. Baddeley.

Announced as newly described subspecies from six specimens in Durban Museum Novitates and described from seven specimens in Bull Brit Orn Cl. Type specimen designated in August 1969 in the Bull Brit Orn Cl. Paratypes DMD 24.675–78 and DMD 24.680–81, 4 males, 2 females, Gorongosa Mountain, 21.–24.10.1968, leg. Baddeley, at the DMD (Durban). The publication in the Durban Mus Novit was not meant to be an original descrip-

tion, rather the announcement of a new form, which was released only “inadvertently” before the publication in the Bull. Brit. Orn. Club. – Dickinson (2003): *Oriolus chlorocephalus specularifer*.

CORVIDAE

Pica galliae Kleinschmidt, 1917
Falco 13: 24.

Lectotype: Coll. Kl. 5681, male pull., Briquenay, Departement des Ardennes, France, 21.05.1916, leg. Bacmeister.

Paralectotypes: ? Coll. Kl. 5682–5689, 2 males, 4 females, Departement Ardennes and Meuse, 22.09.1916 until 16.02.1917, leg. Bacmeister.

Not indicated as paratypes, listed in one series along with No 5681; the latter designated as type specimen in the Catalogue (Kleinschmidt 1935–1943: 119). No types defined in the sparse description. – Dickinson (2003): *Pica pica pica* (Linnaeus, 1758).

Corvus corax kretae Jordans & Steinbacher, 1943
Senckenbergiana 26: 73.

Holotype: ZFMK 46.21, male, Kanea, Crete, 26.02.1925, leg. Schiebel.

Paratypes: ZFMK 57.676–57.681, female, 5 males, all Kanea, Crete, 26.02.1925, leg. Schiebel.

Described from seven specimens. – Dickinson (2003) presumably: *Corvus corax laurencei* Hume, 1873.

Corvus corax jordansi Niethammer, 1953
Bonn zool Beitr 4: 74.

Holotype: ZFMK F.VII.3.g⁷.γ., (No 10.325), male ad., Oliva, Fuerteventura, Canary Islands, 03.1912, leg. Thanner.

Paratypes: ZFMK F.VII.3.g⁷.α., β and ZFMK F.VII.3.g⁷.δ–μ., 5 males, 6 females, locality as type specimen.

Described from twelve specimens. – Dickinson (2003): *Corvus corax canariensis* Hartert & Kleinschmidt, 1901.

Corvus sardus Kleinschmidt, 1903
Orn Monatsber 11: 92.

Lectotype: Coll. Kl. 5319, male, Boulvai, Ogliastra, Sardinia, 09.03.1902, leg. Wolterstorff.

Paralectotype: Coll. Kl. 5318, male, Ulassai, Ogliastra, Sardinia, 18.01.1902, leg. Wolterstorff; uncertain paralectotypes: Coll. Kl. 5320–5325.

No types defined in the description, No 5319 only in 1943 designated as type in Catalogue (Kleinschmidt 1935–1943: 112). – Dickinson (2003) presumably: *Corvus corax corax* Linnaeus, 1758.

Corvus corax hispanus Hartert & Kleinschmidt, 1901
Novit Zool 8: 45.

?Paratype: Coll. Kl. 5330, male ad., Murcia, Spain, 09.1855 or 1856 (unreadable), leg. A. E. Brehm.

Holotype supposedly at the BM, Tring (Hartert & Kleinschmidt, 1901), t.t. Aguilhas, near Murcia. – Dickinson (2003): *Corvus corax hispanus*.

Corvus bacmeisteri Kleinschmidt, 1919
Falco 14: 8.

Lectotype: Coll. Kl. 5466, female juv., bill, claw and left wing, Schwittersdorf, Saxony, 31.03.1917, leg. Kleinschmidt

Designated as type and defined in the Catalogue (Kleinschmidt 1935–1943: 116) as variation (aberratio) of *Corvus corone cornix* Linnaeus, 1758.

Corvus sardonius Kleinschmidt, 1903
Orn. Monatsber. 11: 92.

Lectotype: Coll. Kl. 5481, ? female, Ogliastra, Sardinia, 09.01.1900, leg. Wolterstorff.

Poor description, type designated only in Catalogue (Kleinschmidt 1935–1943: 116). If other specimens from catalogue are paralectotypes is unclear. – Dickinson (2003): *Corvus corone sharpii* Oates, 1889.

Corvus ultracollaris Kleinschmidt, 1919
Falco 14: 16.

Lectotype: Coll. Kl. 5663, male, Naryn, Tien Shan, 24.03.1910, per Schlüter.

Bonn zoological Bulletin 59: 29–77

Poor description; in Catalogue (Kleinschmidt 1935–1943: 119) type specimen designated, no other skins listed under taxon name. – Dickinson (2003): *Corvus monedula soemmerringii* J. G. Fischer, 1811.

Nucifraga caryocatactes wolfi Jordans, 1940
Mitt Königl Naturwiss Inst Sofia 13: 63.

Holotype: ZFMK 38.605, male, Karlik, Rhodope Mountains, Bulgaria, 25.08.1935, leg. Heinrich, Museum Warsaw, Inv. No 909.

Paratypes: ZFMK 38.606, female, Karlik, Rhodope Mountains, Bulgaria, 26.08.1935 leg. Heinrich; ZFMK 38.607, male, Pirin Mountains, Bulgaria, 06.06.1938; ZFMK 68.608, male, Pirin Mountains, Bulgaria, 07.06.1938; ZFMK 68.609, male juv., Pirin Mountains, Bulgaria, 07.06.1938; ZFMK 68.610, female juv., Pirin Mountains, Bulgaria, 07.06.1938; ZFMK 68.611, male, Pirin Mountains, Bulgaria, 09.06.1938; ZFMK 68.612, female, Pirin Mountains, Bulgaria, 10.06.1938; – ZFMK 38.613, male, Pirin Mountains, 10.06.1938, leg. A. von Jordans. – Dickinson (2003): *Nucifraga caryocatactes caryocatactes* (Linnaeus, 1758).

Nucifraga hemispila interdictus Kleinschmidt & Weigold, 1922
Falco 18: 2.

Paralectotype: Coll. Kl. 5862, male, Tschili, protective forest, E of Peking, 02.09.1916.

Lectotype (labelled in handwriting): C23062 P, 02.09.1916, Hung-mönntsze, forest reserve east of Beijing, NO Tschili, 1400m, leg. Schott.

Lectotype in the SNS, Dresden, designated by Eck & Quaisser (2004); paralectotype designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Nucifraga caryocatactes interdicta*.

Garrulus glandarius hansguentheri Keve, 1967
Bull Brit Orn Cl 87: 40.

Paratype: ZFMK 51.10, o, Cekmece, Turkey, 01.03.1947, leg. Kosswig;

Holotype at the BMNH, Tring, No 1886, female, Tash-Cupri, near Constantinople, 12.01.1922.

Other specimens consulted in ZFMK and BMNH, Tring. – Dickinson (2003): *Garrulus glandarius anatoliae* Seebohm, 1883.

Garrulus hilgerti Kleinschmidt, 1940
Falco 36: 8.

No type defined in the description, the Kleinschmidt Catalogue (1935–1943: 121) or in the collection. Coll. Kl. 5868, female, Neustadt a.d. Wied, 22.05.1896, a breeding bird with a clutch of three eggs Coll.Kl. 5868a, are the only specimens registered under that name. – Dickinson (2003): *Garrulus glandarius glandarius* (Linnaeus, 1758).

Garrulus ichnusae Kleinschmidt, 1903
Orn Monatsber 11: 92.

Lectotype: Coll. Kl. 5893, male, Ogliastra, Sardinia, 30.12.1902, leg Meloni, per Wolterstorff.

Paralectotype: ZFMK F.VII.8.a¹.γ., male ad., Ogliastra, Sardinia, 03.02.1903, leg. A. von Jordans No 2811.

No type specimen was defined in the original description; Lectotype designated from label in the collection (Rheinwald & van den Elzen 1984) as Catalogue (Kleinschmidt 1935–1943: 122) does not specify which specimen from the series is the type. Paralectotype marked as such in the inventory book of the ZFMK collection. – Dickinson (2003): *Garrulus glandarius ichnusae*.

Garrulus albipectus Kleinschmidt, 1920
Falco 16: 28.

Lectotype: Coll. Kl. 5898, male ?, Florence, 12. 1914, per Schlüter.

Paralectotype: Coll. Kl. 5899, o, Legi near Florence, no date, per Schlüter.

The third specimen mentioned in the description doesn't exist anymore. No type specimen designated in description, or in Catalogue (Kleinschmidt 1935–1943: 122); identified only from label (Rheinwald & van den Elzen 1984). – Dickinson (2003): *Garrulus glandarius albipectus*.

Garrulus lambessae Kleinschmidt, 1912
Falco 8: 51.

Lectotype: Coll. Kl. 5921, male, Lambèse, Algeria, 02.06.1904, leg. Flükiger.

Paralectotypes: Coll. Kl. 5922, male, Lambèse, Cheliah, Algeria, 01.06.1905; Coll. Kl. 5923, male pull., Lambèse, Cheliah, Algeria, 01.07.1903, leg. Flükiger.

Bonn zoological Bulletin 59: 29–77

No type specimen defined in the original description, only in Catalogue (Kleinschmidt 1935–1943: 123). – Dickinson (2003) presumably: *Garrulus glandarius cervicalis* Bonaparte, 1853.

PARIDAE

Parus cristatus hispanus Jordans, 1933
Anz Orn Ges Bayern 2: 257.

Holotype: ZFMK G.X.1.g².γ., female, Mosqueruela near Teruel, Spain, 02.10.1931, leg. H. Grün.

Paratypes: ZFMK G.X.1.g².α., male, Mosqueruela near Teruel, 19.12.1930; ZFMK G.X.1.g².β., male, Mosqueruela near Teruel, 30.12.1930; ZFMK G.X.1.g².δ., female, Mosqueruela near Teruel, 05.01.1931; ZFMK G.X.1.g².ζ., male, Mosqueruela near Teruel, 07.10.1931; ZFMK G.X.1.g².μ., male, Mosqueruela near Teruel, 06.10.1931; ZFMK G.X.1.g².κ., female, Mosqueruela near Teruel, 07.10.1931; ZFMK G.X.1.g².λ., male, Mosqueruela near Teruel, 02.01.1931; ZFMK G.X.1.g².ν., male, Mosqueruela near Teruel, 02.01.1931; ZFMK G.X.1.g².v., o, Mosqueruela near Teruel, 02.01.1931, all leg. Grün.

Described from a series of thirteen specimens; three exchanged with AMNH, New York and an illegible institution. – Dickinson (2003): *Parus cristatus weigoldi* Tratz, 1914.

Parus cristatus bureschi Jordans, 1940
Mitt Königl Naturwiss Inst Sofia 13: 90.

Holotype: ZFMK 38.718, female ad., Pirin Mountains (above Bansko), Bulgaria, 05.06.1938, leg. Wolf.

Paratypes: ZFMK 38.719, female, Pirin Mountains, 04.06.1938; ZFMK 38.720, o, Pirin Mountains, 05.06.1938; ZFMK 38.721–38.724, 4 o, Pirin Mountains, 06.06.1938, leg. Wolf.

Described from twelve specimens; whereabouts of other paratypes unknown. – Dickinson (2003): *Parus cristatus bureschi*.

Parus Lophophanes nominandus Kleinschmidt, 1943
Katalog meiner ornithologischen Sammlung: 106.

Nomen nudum there, as it lacks description.

Parus rhenanus Kleinschmidt, 1900
Orn Monatsber 8: 168.

Holotype: Coll. Kl. 4536, male, banks of the River Rhine between Mainz and Worms, 04.10.1894, leg. Lorentz.

Paralectotypes: Supposedly Coll. Kl. 4537–4569, Kornsand, Ingelheim, Renthendorf, Guntershausen, Knoblochsau, between 1894 and 1899, leg. Kleinschmidt.

Paralectotypes designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Parus montanus rhenanus*.

Parus salicarius submontanus Kleinschmidt & Tschusi, 1913
Falco 9: 33.

Paralectotype: Coll. Kl. 4597, male, Gmunden, Upper Austria, 6.I.1913, leg. Tschusi.

Holotypes at the NHMW, Vienna, breeding pair 29.03.1913 from Gmunden, ex. Coll. Tschusi.

Paralectotype designated on label, whole series from Coll. Kl. 4597–4603 referred to as “cotypes”. In original description only two specimens specified. – Dickinson (2003): *Parus montanus montanus* Conrad von Baldenstein, 1827.

Parus salicarius subrhenanus Kleinschmidt & Jordans, 1916
Falco 12: 17.

Holotype: Coll. Kl. 4512, female juv., foothills of Bonn, 06.12.1913, leg. A. von Jordans.

Paratype: Coll. Kl. 4513, male juv., River Sieg near Bonn, 03.06.1911, leg. A. von Jordans No 116. – Dickinson (2003): *Parus montanus rhenanus* Kleinschmidt, 1900.

Parus borealis tischleri Kleinschmidt, 1917
Falco 13: 23.

Lectotype: Coll. Kl. 4587, male, near Bartenstein, East Prussia, 25.12.1916, leg. Tischler.

Paralectotypes: Coll. Kl. 4588–4591, male, 2 females, o, Bartenstein, 11.1909, 1910, 12.1916, leg. Tischler.

Very poor description, “between *borealis* and *salicarius*”; type specimens designated in the Catalogue (Kleinschmidt 1935–1943: 102). – Dickinson (2003): *Parus montanus salicarius* C. L. Brehm, 1831.

Bonn zoological Bulletin 59: 29–77

Parus Salicarius natorpi Kleinschmidt, 1917
Falco 13: 23.

Lectotype: Coll. Kl. 4575, male, Emanuelsegen, Silesia, 17.10.1909, leg. Natorp.

Paralectotypes: Supposedly Coll. Kl. 4576–4582, 3 males, 2 females, 2 o, Emanuelsegen, Myslowitz, Cieskowice, Bitschin, Roschkowitz, Silesia, collected in 02. 04.1909, 10.1909, leg. Natorp.

Very poor description with no types designated; lectotype designated only in Catalogue (Kleinschmidt 1935–1943: 101), specimen labelled as type. – Dickinson (2003) presumably: *Parus montanus borealis* Selys-Longchamps, 1843.

Parus Salicarius supermontanus Kleinschmidt, 1921
Berajah, Parus Salicarius: 17.

Lectotype: Coll. Kl. 4634, male, Trient, Cembra valley, Italy, 26.11.1897, leg. Marchi.

Paralectotypes: Presumably Coll. Kl. 4635–4640, 3 females, 3 o, Cembra valley, Trient, 11.1897, leg. Marchi.

Very poor description with no types designated; lectotype designated only in Catalogue (Kleinschmidt 1935–1943: 102), specimen labelled as type. – Dickinson (2003) presumably: *Parus montanus salicarius* C. L. Brehm, 1831.

Parus Salicarius transylvanicus Kleinschmidt, 1921
Berajah, Parus Salicarius: 17.

Lectotype: Coll. Kl. 4644, male, surroundings of Kronstadt, Transylvania, Romania, 28.12.1896, leg. Hausmann, per Schlüter.

Paralectotypes: ZFMK G.X.1.m¹⁰.α., (20.186), male, data like type specimen, and Coll. Kl. 4645–4649, 4 males, female, 08.1896, Kronstadt, leg. Hausmann, per Schlüter.

Very sparse description with no types designated; lectotype designated only in Catalogue (Kleinschmidt 1935–1943: 102), specimen labelled as type. – Dickinson (2003): *Parus montanus montanus* Conrad von Baldenstein, 1827.

Parus Salicarius schiebeli Kleinschmidt, 1937
Berajah, Parus Salicarius: 36.

Lectotype: Coll. Kl. 4623, male, Zirknitz, Krain, Slovenia, 03.01.1926, leg. Schiebel.

Paralectotypes: presumably Coll. Kl. 4624–4633, 5 males, 4 females, o, all Zirknitz and surroundings, 09.1902, 1903, 11.1926, 12.1923 and 01.1924 and 1926, leg. Schiebel. Further 37 specimens from the Coll. Schiebel, possibly including ZFMK 38.139–38.159, 1926–1927, Zirknitz, leg. Schiebel.

No types designated in the original description; lectotype designated only in Catalogue (Kleinschmidt 1935–1943: 102), specimen labelled as type (see also Schifter & van den Elzen 1986). – Dickinson (2003): *Parus montanus montanus* Conrad von Baldenstein, 1827.

Parus Salicarius styriacus Kleinschmidt, 1937

Berajah, *Parus Salicarius*: 36.

Lectotype: Coll. Kl. 4605, male, St. Georgen ob Judenburg, Styria, Austria, 23.10.1926, leg. Schiebel.

Paralectotypes: Coll. Kl. 4606–4622, 5 males, 9 females, 3 o, Bruck a. d. Mur, Turracher Höhe, Tamsweg, St. Wolfgang i. Bachergebirge, Austria, leg. Schiebel, and 49 specimens of the Coll. Schiebel, probably all at the ZFMK. 10.1919, 0.9–12.1921, 04.1922, 10., 11., 1926. – Dickinson (2003): *Parus montanus montanus* Conrad von Baldenstein, 1827.

Parus Salicarius weigoldi Kleinschmidt, 1921

Berajah, *Parus Salicarius*: 19.

Paralectotypes: Coll. Kl. 4697–4699, 2 males, female, Atentsze, Mekong tributary, Janeti; Sungpan, E Tibet, 25. and 29.09.1915 and 29.05.1914, leg. Weigold.

Described from a series, no types designated in first description or in Catalogue (Kleinschmidt 1935–1943: 103). Lectotype designated in Eck & Quaisser (2004), lectotype at the SNS, Dresden C 23803, t.t. Mauntschi, Szechuan. – Dickinson (2003) probably: *Parus montanus baicalensis* (Swinhoe, 1871).

Parus weigoldicus Kleinschmidt, 1921

Falco 17: 3, Abb. (Tafel) 2 in Falco 34: 62/63.

Paralectotypes: Coll. Kl. 4697–4699, s. previous taxon.

Nomen novum for *Parus Salicarius weigoldi* Kleinschmidt, 1921, preoccupied by *Parus weigoldi* Tratz, 1914. – Dickinson (2003): *Parus montanus baicalensis* (Swinhoe, 1871).

Parus Salicarius stötzneri Kleinschmidt, 1921

Berajah, *Parus Salicarius*: 20.

Paralectotype: Coll. Kl. 4696, male, 30 km n. Balihandien, NE Tschili, China, 30.04.1916, leg. Weigold, per Stötzner.

Described from a series, no type designated. Lectotype designated in Eck & Quaisser (2004), Lectotype at the SNS, Dresden C 23845, t.t. as above. Two more paralectotypes in MfN, Berlin and AMNH, New York. – Dickinson (2003) probably: *Parus montanus baicalensis* (Swinhoe, 1871).

Parus communis jeholicus Kleinschmidt & Weigold, 1922

Falco 18: 2.

Paralectotypes: Coll. Kl. 4484–4485, 2 males, 30 km n. Balihandien, NE Tschili, 29.04. and 03.05.1916, leg. Weigold, per Stötzner.

Described from a series, but no information on specimens given in original description. In Catalogue (Kleinschmidt 1935–1943: 100) the two specimens mentioned above are designated as “cotypes”. Eck & Quaisser (2004) describe a series of eight specimens at the SNS, Dresden as “syn-types”; one specimen lost in 1945, t. t. north of Jehol. – Dickinson (2003): *Parus palustris jeholicus*.

Parus sardus Kleinschmidt, 1903

Orn Monatsber 11: 186.

Holotype: Coll. Kl. 4766, male, Arzana, Ogliastra, Sardinia, 13.10.1903, leg. Wolterstorff.

Three paratypes listed in the description are apparently lost. – Dickinson (2003): *Parus ater sardus*.

Parus ater pinicolus Clancey, 1943

Bull Brit Orn Cl 63: 66.

Paratypes: ZFMK 50.112, male, Sutherlandshire, N Scotland, 31.08.1938; ZFMK 50.113, female, Sutherlandshire, N Scotland, 09.09.1938; ZFMK 50.114, male, Sutherlandshire, N Scotland, 05.09.1938; ZFMK 50.115, female, Sutherlandshire, N Scotland, 31.08.1938, all leg. Clancey.

Holotype at the RSME, Edinburgh, t. t. Rothiemurchus Forest, Inverness-Shire. – Dickinson (2003): *Parus ater britannicus* Sharpe & Dresser, 1871.

Parus ater martensi Eck, 1998

Zool Abhandl Staatl Mus Tierk Dresden 50 (8): 130.

Holotype: ZFMK 95.24, male, Chadziou, Khola-Tal, Thakkhola, Mustang district, Nepal, 2600m, 30.10.1969, leg. J. Martens.

Paratypes: ZFMK 74.459–74.463, 5 males, Thakkola, Thaksang above Tukche, 3150m, 08.07.1973, 10.03.1974; ZFMK 74.467, o juv, Thakkola, Tkaksang above Tukche, 02.07.1973; ZFMK 74.471–74.472, 2 females, Thakkola, Thaksang above Tukche, 3150m, 10 and 11.03.1974; ZFMK 74.464–74.465, 2 males, Thakkola, Purano Marpha (Alt Marpha), 3200 m, 15. and 16.03.1974; ZFMK 74.468–74.469, 2 females, Thakkola, Purano Marpha (Alt Marpha), 3200 m, 16. and 19.03.1974; ZFMK 74.470, female juv., Thakkhola, at Nabrikot-Khola, 08.07.1973; ZFMK 2006.41, female, Thakkola, Tukche, 3100m, 23.11.1969; ZFMK 2006.43, male, Parbat District between Deorali and Chitre, 2850m, 02.05.1995; ZFMK 2006.44, male, Mustang District, Purano Marpha, 3200 m, 10.05.1995, all leg. Martens.

Described from a series of 20 specimens; for the paratypes no collection numbers were provided in the original description, but date and finding locality; other paratypes are in the bird collection of the BMNH, Tring. The subspecies is already figured in Martens (1993: 43, fig. d) and Martens & Eck (1995: plate 3, fig. d). – Dickinson (2003): *Parus ater martensi*.

Parus caeruleus touraudericus Bacmeister & Kleinschmidt, 1920

J Ornithol 68: 101.

Lectotype: Coll. Kl. 4206, male, La Tourauderie, Dept. Ardennes, France, 18.02.1916, leg. Bacmeister.

Paralectotypes: Coll. Kl. 4205, 4207–4210, 5 o, La Tourauderie and Vitarville, Meuse, 02., 03., 10.1916, leg. Bacmeister.

No types defined in the original description based on twelve specimens; lectotype designated from the Catalogue (Kleinschmidt 1935–1943: 98) and handwriting on label. Whereabouts of other six specimens unknown. – Dickinson (2003): *Parus caeruleus caeruleus* Prazák, 1894.

Parus coeruleus balearicus Jordans, 1913

Falco 9: 43.

Holotype: ZFMK G.X.1.b⁶.ζ., female, Valldemosa, Majorca, Balears, 11.03.1913, leg. A. von Jordans No 622.

Bonn zoological Bulletin 59: 29–77

Paratypes: ZFMK G.X.1.b⁶.α. female, Palma, Majorca, 10.03.1913; ZFMK G.X.1.b⁶.β., female, Valldemosa, Majorca, 11.03.1913; ZFMK G.X.1.b⁶.γ., male, Lluch, Majorca, 22.03.1913; ZFMK G.X.1.b⁶.ε., male, Palma-Valldemosa, Majorca, 10.03.1913; ZFMK G.X.1.b⁶.η., male, Lluch, Majorca, 24.03.1913; ZFMK G.X.1.b⁶.θ., male, Esporlas, Majorca, 20.05.1913; ZFMK G.X.1.b⁶.ι., female, Esporlas, Majorca, 20.05.1913, all leg. A. von Jordans.

Obviously described from a series of nine specimens listed in the inventory book of the ZFMK, but only ZFMK G.X.1.b⁶.ε., male, defined as “cotype”. One paratype exchanged with the MfN, Berlin. – Dickinson (2003): *Parus caeruleus balearicus*.

Parus corsus Kleinschmidt, 1903

Orn Monatsber 11: 6.

Holotype: Coll. Kl. 4129, male, Ajaccio, Corsica, 18.01.1902.

Probable paralectotypes: Coll. Kl. 4130–4137, 4 males, 4 females, Ajaccio, 18.01.–15.02.1902.

In original description no details on number of skins studied are given, no paratypes are defined. In his Catalogue Kleinschmidt (1935–1943: 97) indicates nine specimens from Corsica as “including type”, and lists additional sixteen specimens from Sardinia. – Dickinson (2003): *Parus major corsus*.

Parus wladivostkensis Kleinschmidt, 1913

Falco 9: 33.

Holotype: Coll. Kl. 4162, male, Wladivostok, NE Asia, 07.12.1900.

Paratype: Coll. Kl. 4163, male, Wladivostok, 18.09. without year.

Only two specimens in Collection Kleinschmidt I. – Dickinson (2003) presumably: *Parus major minor* Temminck & Schlegel, 1848.

Parus tschiliensis Kleinschmidt, 1922

Falco 18: 3.

Paralectotype: Coll. Kl. 4164, male, 30 km n. Balihandien, NE Jehol, Tschili, leg. Weigold, per Stötzner.

No type specimen designated in original description. Lectotype and other paralectotypes at the SNS, Dresden, lectotype specimen lost in 1945 (see Eck & Quaisser 2004). – Dickinson (2003) presumably: *Parus major minor* Temminck & Schlegel, 1848.

Parus major gotoensis Kleinschmidt, 1922
Falco 18: 2.

Lectotype: Coll. Kl. 4176, male, Goto Islands, Japan, 18.04.1906.

Paralectotype: Coll. Kl. 4177, male, Goto Islands, 01.04.1906.

Only two specimens existed for the description, their identity being uncertain as data were neither defined in the original description nor a type designated in the Catalogue (Kleinschmidt 1935–1943: 97). Lectotype and paralectotype designated by Rheinwald & van den Elzen (1984); identification of type specimen taken from handwriting on label, (Cotype = paralectotype; see also Dickinson et al. 2006: 88). – Dickinson (2003): *Parus major kagoshimae* Taka-Tsukasa, 1919.

Parus major amamiensis Kleinschmidt, 1922
Falco 18: 2.

Lectotype: Coll. Kl. 4178, female, Amami Oshima, Japan, 25.02.1906.

Described on the basis of one single specimen. Information on type status derived from label (Rheinwald & van den Elzen 1984). – Dickinson (2003): *Parus major amamiensis*.

Parus major subtibetanus Kleinschmidt & Weigold, 1922
Abh Ber Mus Tierk Dresden 15: 11.

Paratype: Coll. Kl. 4159, male, a three days' journey from Batang, Janeti, E Tibet, 29.09.1915, leg. Weigold.

Described from a larger series. Holotype and nine paratypes listed in Eck & Quaisser (2004) for SNS, Dresden. Holotype and one paratype specimen lost in 1945. Whereabouts of other specimens uncertain. – Dickinson (2003) presumably: *Parus major commixtus* Swinhoe, 1868.

Parus maior mallorcae Jordans, 1913
Falco 9: 43.

Lectotype: ZFMK G.X.1.a³.α., male, Palma, Valldemosa, Majorca, Balears, 10.03.1913, leg. A. von Jordans No 707.

Paralectotypes: ZFMK G.X.1.a³.β., o, Lluch, Majorca, 22.03.1913; ZFMK G.X.1.a³.γ., male, Lluch, Majorca, 18.03.1913; ZFMK G.X.1.a³.δ., o, Lluch, Majorca, 22.03.1913; ZFMK G.X.1.a³.ε., female, Esporlas, 20.05.1913; ZFMK G.X.1.a³.ζ., male, Fornalutx, 17.03.1913; ZFMK G.X.1.a³.η., male, Valldemosa, 19.05.1913; ZFMK G.X.1.a³.θ., female, Esporlas, 12.03.1913; ZFMK G.X.1.a³.ι., male, Esporlas, 20.05.1913; ZFMK G.X.1.a³.κ., female, Esporlas, 20.05.1913; ZFMK G.X.1.a³.λ., female, Santany, 09.05.1913; ZFMK G.X.1.a³.μ., male, Palma, Valldemosa, 10.03.1913; ZFMK G.X.1.a³.ν., male, Fornalutx, Majorca, 17.03.1913, all leg. A. von Jordans.

Probably described from a series of thirteen specimens; no type specimen designated in original description (“type is in my collection”). Lectotypes designated by Rheinwald & van den Elzen (1984) from handwritten label and collection inventory. – Dickinson (2003): *Parus major mallorcae*.

Parus major ecki Jordans, 1970
Zool Abh Mus Tierk Dresden 31: 213.

Holotype: ZFMK G.X.1.a².ρ., male, Mt. Tortoli, Sardinia, 28.04.1926.

Paratypes: Coll. Kl. 4153, female, Lanusei, Ogliastra, 14.11.1902, and ZFMK G.X.1.a².β., female, Talana, Ogliastra, Sardinia, 31.01.1903; ZFMK G.X.1.a².γ., male, Bari, Ogliastra, Sardinia, 23.03.1903; ZFMK G.X.1.a².δ., male, Loceri, Ogliastra, 06.02.1904; ZFMK G.X.1.a².ε., female, Loceri, Ogliastra, 06.02.1904; ZFMK G.X.1.a².ζ., male, Arzana, Ogliastra, 24.02.1904; ZFMK G.X.1.a².η., male, Ilbono, Ogliastra, 22.03.1904; ZFMK G.X.1.a².θ., female, Baunusei, Ogliastra, 03.03.1906; ZFMK G.X.1.a².ι., female, Lanusei, Ogliastra, 06.05.1906, all per O. Kleinschmidt; ZFMK G.X.1.a².λ., male, Ogliastra, Sardidien, 13.002.1904; ZFMK G.X.1.a².μ., male, Ogliastra, Sardidien, 24.04.1906; ZFMK G.X.1.a².ν., male, Lanusei, 15.04.1924; ZFMK G.X.1.a².ξ., male, Lanusei, 18.08.1924; ZFMK G.X.1.a².ο., male, Lanusei, 20.02.1925; male, Lanusei, ZFMK G.X.1.a².π., Mt. Tortoli, Sardinia, 25.04.1926; all leg. A. v. Jordans.

Described from a series of twenty-five males and nine females; whereabouts of remaining paratypes unknown. – Dickinson (2003): *Parus major ecki*.

Parus maior caspius Zarudny & Loudon, 1905
Orn Monatsber 13: 109.

Probable paralectotype ZFMK G.X.1.a⁵.α., male, Kuljam-Chadschi-Ali, W Iran, 13.10. (= 26.10. Gregorian Calendar) 1903, ex. Coll. Zarudny No 1645, Coll. Jordans No 1454.

No type defined in the original description; the individual is labelled as “cotype” by von Jordans and published as “cotype” (Jordans 1923: 23). – Dickinson (2003): *Parus major karelini* Zarudny, 1911. See next taxon.

Parus major karelini Zarudny, 1911
J Ornithol 59: 236.

Nomen novum for *Parus maior caspius* Zarudny & Loudon, 1905, because of *Parus caspicus* S.G. Gmelin, 1774 (which is *Motacilla cinerea*). Presumed paralectotype is ZFMK G.X.1.a⁵.α., see previous taxon.

Parus maior zagrossiensis Zarudny & Loudon, 1905
Orn Monatsber 13: 108.

Paralectotype ZFMK G.X.1.a⁵.β., male, Samdalkal, W Iran, 02.01.1904 (=20.12.1903 Gregorian Calendar), Coll. Zarudny 1476a, Coll. A. von Jordans No 1455.

No holotype defined in the original description, the specimen is labelled “cotype” by A. von Jordans, but not mentioned as in his collection (Jordans 1923); t. t. Zagros Mountains, (name is misprint of *P. m. zagrossiensis*). – Dickinson (2003): *Parus major blanfordi* Prazák, 1894.

Parus major niethammeri Jordans, 1970
Zool Abh Mus Tierk Dresden 31: 218.

Lectotypes: ZFMK 57.858 and 57.859, 2 males, Canea, Crete, 12.02.1925, leg. Schiebel.

Paratypes: ZFMK 57.857, female, Canea, Crete, 17.02.1925; ZFMK 57.860, male, Canea, Crete, 14.02.1925; ZFMK 57.863, male, Canea, Crete, 26.03.1925; ZFMK 57.864, male, Canea, Crete, 20.03.1925; ZFMK 57.865, male, Canea, Crete, 03.03.1925; ZFMK 57.866, male, Canea, Crete, 21.02.1925; ZFMK 57.867, female, Canea, Crete, 24.03.1925; ZFMK 57.868, female, Canea, Crete, 24.04.1925; ZFMK 57.869, female, Souda Bay, 14.02.1925; ZFMK 57.870, male, Souda Bay, 24.03.1925; ZFMK 57.871, female, Souda Bay, 15.03.1915; ZFMK 57.872, female, Souda Bay, 15.03.1925; ZFMK 57.873,

male, Souda Bay, 10.05.1925; ZFMK 57.874, female, Souda Bay, 14.02.1925; ZFMK 57.875, male, Souda Bay, 26.04.1925; ZFMK 57.876, female, Souda Bay, 26.04.1925 and ZFMK 57.877, male, Wrysses, Crete, 03.04.1925, all leg. Schiebel.

One single specimen defined as type in the original description. However, in the collection of the ZFMK two males collected at the same day and locality bear the handwritten notice “type” by von Jordans. Thus, both specimens are listed as lectotypes. Originally described from eighteen males and thirteen females; ZFMK 57.861–862 exchanged with AMNH, New York, whereabouts of other specimens unknown. – Dickinson (2003): *Parus major niethammeri*.

HIRUNDINIDAE

Cotyle ruspestris spatzi¹⁾ Geyr, 1916
Orn Monatsber 24: 59.

Holotype: ZFMK B.III.4.b¹.γ., male, Gara Djenrun, Algeria, 11.03.1914, leg. Geyr.

Paratypes: ZFMK B.III.4.b¹.α., male, Oued Aghelil, 18.03.1914; ZFMK B.III.4.b¹.β., Oued Amra, 05.04.1914; ZFMK B.III.4.b¹.δ., female, Oued Amra, 05.04.1914; ZFMK B.III.4.b¹.ε., male, Amgid, 16.02.1914; ZFMK B.III.4.b¹.ζ., male, Gara Djenrun, 11.03.1914; ZFMK B.III.4.b¹.η., male, Amgid, 16.02.1914; ZFMK B.III.4.b¹.θ., male, Gara Djenrun, 11.03.1914, all leg. Geyr.

Described from eight specimens, series complete. – Dickinson (2003): *Ptyonoprogne obsoleta spatzi*.

¹⁾ misprint in original description, correctly: *Cotyle ruspestris spatzi* Geyr, 1916.

Hirundo Urbica vogti Kleinschmidt, 1943
Katalog meiner ornithologischen Sammlung: 61.

Lectotype: Coll. Kl. 1995, male, Niedernhausen/ Odenwald, 02.06.1916, leg. Vogt.

Paralectotypes: Coll. Kl. 1996–2001, 2 males, 2 females, 2 juv., Niedernhausen/ Odenwald, 25.05.–19.07.1916, leg. Vogt.

Very brief description, no types designated. Lectotype and paralectotypes designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Delichon urbicum urbicum* (Linnaeus, 1758).

AEGITHALIDAE

Aegithalos caudatus expugnatus Bacmeister & Kleinschmidt, 1916
Falco 12: 18.

Lectotype: Coll. Kl. 4870, male, Dept. Ardennes, E France, 09.02.1916, leg. Bacmeister.

Paralectotypes: Supposedly Coll. Kl. 4871–4882, 7 males, 3 females, 2 o, La Tourauderie, Thugny, Dept. Ardennes, 30.01.–08.04.1916, leg. Bacmeister.

No types defined in the original description; series indicated as “types” in Catalogue (Kleinschmidt 1935–1943: 106), type specimen labelled as type. – Dickinson (2003): *Aegithalos caudatus europaeus* (Hermann, 1804).

Acredula tephronota passekii Zarudny, 1904
Orn Monatsber 12: 164.

Paralectotype ZFMK G.X.2.a¹⁰.a., male, Schalil, W Iran, 04.01.1904 (= 22.12.1903 according to the Gregorian Calendar), leg. Zarudny No 1480, ex Coll. Jordans No 1586. No type designated in original description; obviously no large series existed. The specimen is published by Jordans (1923: 25) as “I have a cotype from Schalil in Iran in my collection” and labelled as “cotype” by A. von Jordans in the ZFMK bird skin collection. – Dickinson (2003): *Aegithalos caudatus passekii*.

Aegithalos caudatus chlamyrdomelanos Clancey, 1941
Ibis 14: 314.

Paratype: ZFMK 50.116, female, Suthershire, Scotland, 06.09.1938, leg. Clancey.

Holotype at the RSME, Edinburgh, t. t. Dornoch, Sutherland. Described from a series of four specimens. – Dickinson (2003): *Aegithalos caudatus rosaceus* Mathews, 1937.

ALAUDIDAE

Eremophila alpestris aharonii Neumann, 1934
Anz Orn Ges Bayern 2: 333.

Paratype: ZFMK 37.142, female juv. ?, Ras Balbeck, Israel, 18.04.1931, leg. Aharoni.

Bonn zoological Bulletin 59: 29–77

Type specimen at the MCZ, Harvard; others probably also at Tring, UK and also at the MfN, Berlin? Described from a series of thirteen specimens. – Dickinson (2003) presumably: *Eremophila alpestris bicornis* (C.L. Brehm, 1831).

Galerida cristata jordansi Niethammer, 1955
Bonn zool Beitr 6: 57.

Holotype: ZFMK 54.517, male, Abbangarit, NW Agades, Niger, 29.01.1954, leg. G. Niethammer No 480.

Paratype: ZFMK 54.1165, male, Abbangarit, 29.01.1954, leg. G. Niethammer.

A third male is probably lost. – Dickinson (2003): *Galerida cristata jordansi*.

Galerida cristata carthaginis Kleinschmidt & Hilgert, 1905
Orn Monatsber 13: 188.

Nomen novum for *Galerida cristata macrorhyncha* Erlanger, 1899, nec Tristram, 1859.

Paratype: Coll. Kl. 1488–1491, 4 o, vicinity of Tunis, Tunisia, 20. and 21.01.1899, leg. Blanc, original labels lost.

Type specimen (Coll. Erlanger No 2937) at the SMF, Frankfurt/Main?, t. t. like paratypes. – Dickinson (2003): *Galerida cristata carthaginis*.

Galerida cristata gafsae Kleinschmidt & Hilgert, 1905
Orn Monatsber 13: 189.

Nomen novum for *Galerida cristata arenicola* Erlanger, 1899, nec Tristram, 1859. Paratypes: Coll. Kl. 1492–1493, 2 males, Bir Sellousa, Tunisia, 07.03.1899, leg. Spatz.

Type specimen in Coll. Erlanger No 2950, leg. Erlanger, t. t. Seggi, Tunisia, currently SMF, Frankfurt/Main. – Dickinson (2003): ? *Galerida cristata carthaginis*.

Calerida cristata vamberyi Härms, 1907
Orn Monatsber 15: 49.

Holotype: ZFMK H.V.1.a¹⁶.γ., male ad., Utsch-Adschi, Trans-Caspia, 26.02.1900 (14.02.1900 according to the Gregorian Calendar), leg. Härms.

Paralectotypes: ZFMK H.V.1.a¹⁶.β., male, Tedschen, Transcaspia, 13.02.1900; ZFMK H.V.1.a¹⁶.δ., male, Utsch-Adschi, 27.02.1900; ZFMK H.V.1.a¹⁶.ε., female, Tedschen, 31.03.1900, all leg. Härms.

Only type specified in original description, paralectotype designation in Rheinwald & van den Elzen (1984) The type specimen is mentioned in Jordans (1923: 10). – Dickinson (2003): *Galerida cristata magna* Hume, 1871.

Galerida cristata apuliae Jordans, 1935
Orn Monatsber 43: 119.

Holotype: ZFMK H.V.1.a²³.α., male, San Severo, Apulia, Italy, 20.02.1932.

Paratypes: ZFMK H.V.1.a²³.β., male, Cèrignola, Apulia, 11.1931; ZFMK H.V.1.a²³.γ., female, San Severo, Apulia, 20.01.1932.

Description based upon these three specimens. – Dickinson (2003): *Galerida cristata apuliae*.

Galerida schlüteri Kleinschmidt, 1904
Orn Monatsber 12: 196.

Lectotype: Coll. Kl. 1521, female ?, Chefia, vicinity of Bône, N Algeria, 10.1902, leg. Schlüter.

Paralectotypes: Coll. Kl. 1522–1523, 2 male, Bône, 10.1902 and 11.1904, leg. Schlüter, Coll. Kl. 1524–1526, 3 male, Kerrata, Algeria, 28.04. and 21.05.1904, leg. Flükiger.

No type specimen defined in the original description; lectotype designated in Catalogue (Kleinschmidt 1935–1943: 40). – Dickinson (2003): *Galerida theklæ ruficolor* Whitaker, 1898.

[***Galerida desertorum*** Ch. L. Brehm, 1848
Okens Isis 7: 497.

Syntypes: ZFMK 64.251–64.252, male, female, (pair), Hasenhaide/ Berlin, Germany, 28.03.1833, leg. Fehrmann.

See also Homeyer 1848: Orn Briefe: 47; letter from Ch. L. Brehm to Homeyer dated 05.01.1835. Types today at the “Brehm Gedenkstätte” in Renthendorf. – Dickinson (2003): *Lullulla arborea arborea* (Linnaeus, 1758).]

Melanocorypha calandra hollomi Kumerloeve, 1969
Rev Fac Sci Univ Istanbul 34: 261.

Lectotype: ZFMK 68.1774, male, Yüksekova, Turkey, 10.06.1968, leg. Kumerloeve.

Paralectotypes: ZFMK 68.1775, male, Yüksekova, 10.06.1968; ZFMK 68.1776, male, Yüksekova, 10.06.1968; ZFMK 68.1777, male, Yüksekova, 12.06.1968; ZFMK 68.1778, male, Yüksekova, 12.06.1968; ZFMK 68.1779, male, Yüksekova, 12.06.1968; ZFMK 68.1780, male, Van, 18.06.1968; ZFMK 68.1781, male, Van, 22.06.1968; ZFMK 68.1782, female, Van, 22.06.1968, leg. Kumerloeve.

No types designated in original description; lectotypes specified in Rheinwald & van den Elzen (1984). – Dickinson (2003): *Melanocorypha calandra calandra* (Linnaeus, 1766).

Melanocorypha calandra dathei Kumerloeve, 1970
Beitr Vogelkunde 16: 246.

Holotype: ZFMK 68.1689, male, Ceylânpinar, Turkey, 10.05.1968, leg. Mittendorf No 54.

Paratypes: ZFMK 68.1690, male, Ceylânpinar, Turkey, 10.05.1968; ZFMK 68.1691, male, Ceylânpinar, Turkey, 09.05.1968; ZFMK 68.1692, male, Ceylânpinar, Turkey, 07.05.1968; ZFMK 68.1693, female, Ceylânpinar, 14.05.1968; ZFMK 60.970, male, Muratpasa, Syria, 22.05.1953; ZFMK 64.3056, male, Birecik, Turkey, 22.05.1964; ZFMK 64.3057, male, Birecik, Turkey, 22.05.1964; ZFMK 64.3064, male, Djabou, Syria, 08.06.1964; ZFMK 64.3065, male, Djabou, Syria, 08.06.1964, all leg. Mittendorf. – Dickinson (2003): *Melanocorypha calandra gaza* Meinertzhagen, 1919

Calandrella brachydactyla woltersi Kumerloeve, 1969
J Ornithol 110: 324.

Holotype: ZFMK 68.1752, male, Amik Gölü, Turkey, 03.05.1968, leg. Mittendorf.

Paratypes: ZFMK 68.1750, male, Bedirge, 02.05.1968; ZFMK 68.1751, male, Amik Gölü, 03.05.1968; ZFMK 68.1753, female, Amik Gölü, 03.05.1968; ZFMK 68.1754, female, Amik Gölü, 03.05.1968, all leg. Mittendorf. – Dickinson (2003): *Calandrella brachydactyla woltersi*.

Calandrella rufescens niethammeri Kumerloeve, 1963
Vogelwelt 84: 147.

Holotype: ZFMK 62.950, male, Eber Gölü, Turkey,
09.06.1962, leg. Mittendorf.

Paratypes: ZFMK 62.951, male, Eber Gölü, 09.06.1962;
ZFMK 62.952 male, Eber Gölü, 09.06.1962; ZFMK 62.
953, male, Eber Gölü, 09.06.1962; ZFMK 62.954, male,
Eber Gölü, 09.06.1962; ZFMK 62.955, male, Eber Gölü,
09.06.1962, all leg. Mittendorf. – Dickinson (2003): *Ca-*
landrella cheleensis niethammeri.

Alaemon Margaritae Koenig, 1888
J Ornithol 36: 228.

Syntypes: ZFMK H.V.9.a¹.γ., male, near Gabes, Tunisia,
18.03.1887; ZFMK H.V.9.a¹.ε., female, near Gabes, Tunesia,
18.03.1887, leg. Koenig. – Dickinson (2003): *Cher-*
sophilus duponti margaritae (Koenig, 1888).

Ammomanes deserti kollmannspergeri Niethammer,
1955
Bonn zool Beitr 6: 59.

Holotype: ZFMK 54.1202, male, 20 km SE of Fada, Chad,
03.04.1954, leg. Kollmannsperger.

Paratypes: ZFMK 54.1201 male, E Fada, 04.1954;
ZFMK 54.1203, female, E Fada, 04.1954; ZFMK 80.376,
female, E Fada, 04.1954.

Described from four males and two females; whereabouts
of other specimens unknown. – Dickinson (2003): *Ammo-*
manes deserti kollmannspergeri.

Ammomanes phoenicura pallens le Roi, 1912
Orn Monatsber 20: 6.

Syntypes: ZFMK H.V.6.b².θ., male, Bir Sani, Bajuda
steppe, “Egyptian Sudan”, 03.03.1903; ZFMK H.V.6.b².γ.,
female, Bir Sani, Bajuda steppe, Egyptian Sudan,
27.02.1903, leg. Koenig.

Paratypes: ZFMK H.V.6.b².α., male, Bajuda steppe,
01.03.1903; ZFMK H.V.6.b².β. female, Bajuda steppe,
26.02.1903; ZFMK H.V.6.b².δ., female, Bir Sani, Bajuda
steppe, 27.02.1903; ZFMK H.V.6.b².ε., female, Bir
Sani, Bajuda steppe, 27.02.1903; ZFMK H.V.6.b².ζ., male,
Bajuda steppe, 02.03.1903; ZFMK H.V.6.b².η., female,
Bajuda steppe, 02.03.1903; ZFMK H.V.6.b².κ., Chor Abu
Harrasch, 04.03.1903, all leg. A. Koenig.

Bonn zoological Bulletin 59: 29–77

One paratype in Tring, UK. – Dickinson (2003): *Ammo-*
manes cinctura arenicolor Sundevall, 1851.

Ammomanes grayi hoeschi Niethammer, 1955
Bonn zool Beitr 6: 185.

Syntypes/paralectotypes: ZFMK 66.895, male, female,
Namib, W Orupembe, Kaokoveld, Namibia, 27.06.1952
(=UMB 19887); ZFMK 66.896, female, Namib, W Oru-
pembe, Kaokoveld, 27.06.1952(=UMB 19888), all leg.
Hoesch.

Described from four specimens. In the original descrip-
tion male No 19889 of the UMB is defined as type spec-
imen, the ZFMK specimens are labelled as syntypes. List-
ed as syntypes in Rheinwald & van den Elzen (1984). The
second female mentioned in the original description is not
at the ZFMK. – Dickinson (2003): *Ammomanes grayi*
hoeschi.

Mirafra sabota uis Hoesch & Niethammer, 1940
J Ornithol 88, Sonderheft: 219

Holotype: ZFMK 39.983, female, Uis, pre-Namib, Namibia,
22.09.1938, leg. Hoesch and Niethammer No 117.

Paratype: ZFMK 39.921, female, 70 km E of Uis,
27.09.1938, leg. Hoesch and Niethammer.

Two further specimens mentioned in the original descrip-
tion are not at the ZFMK. – Dickinson (2003): *Mirafra*
sabota naevia (Strickland, 1853).

Mirafra africanoides isseli Hoesch & Niethammer, 1940
J Ornithol 88, Sonderheft: 215.

Syntypes: ZFMK 39.897, male, south of Okahandja,
Damaraland, Namibia, 04.09.1938; ZFMK 39.898, fe-
male, south of Okahandja, Damaraland, Namibia,
04.09.1938, leg. Niethammer No 42 and without No.,
prep. Issel.

Subsequently defined as *Mirafra africanoides omaruru*
(Roberts, 1936) by Niethammer. – Dickinson (2003): *Mi-*
rafra africanoides harei Roberts, 1917.

PYCNONOTIDAE

Phyllastrephus leucolepis Gatter, 1985
J Ornithol 126: 155.

Holotype: ZFMK 84.221, o, 20 km NW Zwedru near Cavalla River, Grand Gedeh County, Liberia (06°12'N, 08°11'W), 16.01.1984, leg Gatter.

Described from that specimen only. – Dickinson (2003): *Phyllastrephus leucolepis*.

SYLVIIDAE

Regulus satelles Koenig, 1889
J Ornithol 37: 263.

Syntype: ZFMK G.X.6.a³.δ., male, Pinar, Tenerife, 11.04.1889, leg. Koenig.

Synonym of *Regulus teneriffae* Seebohm, 1883, the syntype is obviously the only remaining from a series of four specimens. – Dickinson (2003): *Regulus regulus teneriffae* Seebohm, 1883.

Regulus regulus ellenthalerae Päckert, Dietzen, Martens, Wink & Kvist, 2006
J Avian Biol 37: 378.

Holotype: ZFMK G.X.6.a³.σ., male, Hoya Grande, La Palma, 01.1905, leg. Thanner.

Paralectotypes: ZFMK G.X.6.a³.γγ., female, El Paso, La Palma, 01.1905; ZFMK G.X.6.a³.κκ., male, Pinar, Hierro, 02.1905, all leg. Thanner.

Described from a larger series of another six males and three females from La Palma, and two males, two females from Hierro, all ZFMK, Bonn.

Regulus ignicapillus balearicus Jordans, 1923
Falco 19: 3.

Holotype: ZFMK G.X.6.b².α., female, Lluch, Majorca, 24.03.1913, leg. A. von Jordans, No 1618.

Paratypes: ZFMK G.X.6.b².δ., female, Lluch, Majorca, 24.03.1913; ZFMK G.X.6.b².δ., female, Lluch, 24.03.1913; ZFMK G.X.6.b².ε., male, Fornalutx, 17.03.1913; ZFMK G.X.6.b².θ., male, Artà, 23.04.1913;

ZFMK G.X.6.b².ι., male, Palma-Valdemosà, 10.03.1913; ZFMK G.X.6.b².κ., male, Lluch, 24.03.1913; all leg. A. v. Jordans.

Described from fifteen individuals; ten registered in the inventory of the ZFMK skin collection; of these three exchanged with NHM Louisiana, MfN, Berlin. Whereabouts of the five missing specimens uncertain. – Dickinson (2003): *Regulus ignicapillus balearicus*.

Cettia cetti salvatoris Jordans, 1914
Falco 10: 41.

Lectotype: ZFMK H.I.7.a¹.α., male, Albufereta, Majorca, 27.03.1913, leg. A. von Jordans, No 742.

Paralectotypes: ZFMK H.I.7.a¹.β., male, Albufereta, Majorca, 27.03.1913; ZFMK H.I.7.a¹.θ., male, Albufereta, Majorca, 27.03.1913, all leg A. v. Jordans.

Originally described from a series of four specimens; lectotype designated by Rheinwald & van den Elzen (1984) from information of ZFMK inventory; fourth specimen not registered there, whereabouts unknown. – Dickinson (2003) presumably: *Cettia cetti cetti* (Temminck, 1820).

Acrocephalus dumetorum gabrielae Neumann, 1934
Verh Orn Ges Bayern 20: 470.

Paralectotypes: ZFMK H.I.2.e³.δ., male, Solak, Asia Minor, 27.05.1934; ZFMK H.I.2.e³.ε female, Elmali, Asia Minor, 11.06.1934, leg. G. Neuhäuser.

Described from three males and one female. Synonym of *Hippolais pallida elaeica* Lindermayer, 1843, see Orn. Monatsber. 42: 178.

Hippolais pallida laeneni Niethammer, 1955
Bonn zool Beitr 6: 66.

Holotype: ZFMK 54.417, male ad., Bol, Chad, 15.04.1954, leg. Laenen.

Paratypes: ZFMK 54.415, male, Bol, Chad, 31.03.1954; ZFMK 54.429, , Bol, Chad, 16.04.1954, all leg. Laenen.

Described from three males, two females and one juvenile; whereabouts of other specimens unknown. – Dickinson (2003): *Iduna pallida laeneni* (Niethammer, 1955).

Hypolais icterina Borisi Jordans, 1940
Mitt Königl Naturwiss Inst Sofia 13: 103.

Holotype: ZFMK 38.796, male ad., Kamtschyja, E Bulgaria, 07.06.1935, leg. Heinrich, Inv. No 307 (Museum Warsaw).

Described from a series of twelve specimens; no paratypes designated in original description. – Dickinson (2003): monotypic: *Hypolais icterina* (Vieillot, 1817).

Melocichla mentalis incana Diesselhorst, 1959
Opusc Zool 36: 1.

Holotype: ZFMK 58.324, female, Momella-Meru Mountains, Tansania, 17.01.1958, leg. Nagy.

Described from four females, one o. Further material (paratypes) presumably at the ZSM, Munic. – Dickinson (2003): *Melocichla mentalis incana*.

Cisticola iuncidis intermedia Jordans, 1923
Falco 19, Sonderheft: 3.

Holotype: ZFMK H.I.9.a¹.o., male, Albufera, Majorca, 11.05.1921, leg. A. von Jordans No 3050.

Presumed paratypes: ZFMK H.I.9.a¹.κ., male, Albufereta, Majorca, 27.03.1913; ZFMK H.I.9.a¹.λ., male, Albufereta, Majorca, 29.03.1913; ZFMK H.I.9.a¹.μ., male, Albufereta, Majorca, 09.04.1913; ZFMK H.I.9.a¹.ν., male, Estany de Gambas, 02.05.1913; ZFMK H.I.9.a¹.ξ., female, Albufera, 31.03.1913; ZFMK H.I.9.a¹.π., male, Albufera, 10.06.1921; ZFMK H.I.9.a¹.ρ., female, Alcudia, 07.05.1921; ZFMK H.I.9.a¹.σ., male, Alcudia, 04.05.1921; ZFMK H.I.9.a¹.τ., female, Alcudia, 04.05.1921; ZFMK H.I.9.a¹.φ., male, Alcudia, 06.05.1921; ZFMK H.I.9.a¹.χ., female, Albufera, 11.05.1921; ZFMK H.I.9.a¹.ψ., female, Albufera, 16.05.1921, all leg. A. von Jordans.

Described from seventeen specimens, no paratypes designated or described in detail. In inventories of the ZFMK bird collection only fifteen specimens registered, one specimen exchanged with MfN, Berlin. – Dickinson (2003): *Cisticola iuncidis cisticola* (Temminck, 1820).

Eremomela icteropygialis laeneni Niethammer, 1955
Bonn zool Beitr 6: 65.

Holotype: ZFMK 54.390, male, Bol, Chad, 03.04.1954, leg. Laenen.

Paratype: ZFMK 54.410, female, Bol, 15.04.1954, leg. Laenen.

Described from three specimens; the second male listed in the original description is not at the ZFMK. – Dickinson (2003): ?*Eremomela icteropygialis alexanderi* Sclater & Mackworth-Praed, 1918.

Sylvia sarda balearica Jordans, 1913
Falco 9: 43.

Holotype: ZFMK H.I.21².b¹.a., male, Isla Dragonera of the W coast of Mallorca, 19.04.1913, leg. A. von Jordans No 629.

Paratypes: ZFMK H.I.21².b¹.β., male juv., E of Sta Ponza, Majorca, 15.05.1913; ZFMK H.I.21².b¹.γ., female, Santany, 01.05.1913; ZFMK H.I.21².b¹.δ., male, San Telmo, Andraitx, 15.04.1913; ZFMK H.I.21².b¹.ε., male, Alcudia, 02.04.1913; ZFMK H.I.21².b¹.ζ., female, Alcudia, 28.03.1913; ZFMK H.I.21².b¹.η., male, Dragonera, 16.04.1913; ZFMK H.I.21².b¹.ι., male, Alcudia, 02.04.1913; ZFMK H.I.21².b¹.κ., male juv., Cabrera, 12.05.1913; ZFMK H.I.21².b¹.λ., male, Isla Dragonera, 16.04.1913; ZFMK H.I.21².b¹.μ., male, Alcudia, 28.03.1913, all leg. A. von Jordans.

Described from a series of nineteen specimens (ten males, seven females, two juveniles), twelve specimens registered in the ZFMK inventory, one paratype exchanged with the AMNH, New York. – Dickinson (2003): *Sylvia sarda balearica*.

Sylvia communis traudeli Kumerloeve, 1969
Rev Fac Sci Univ Istanbul 34: 274.

Holotype: ZFMK 68.1906, male, Van, Turkey, 31.05.1968, leg. Mittendorf No 152.

Paratypes: ZFMK 68.1904, male, Ceylânpinar, 09.05.1968; ZFMK 68.1905, male, Ceylânpinar, 17.05.1968; ZFMK 68.1907, male, Hakkâri-Beytüssebab, 05.06.1968; ZFMK 68.1908, male, W of Yüksekova, 12.06.1968; ZFMK 68.1909, male, W of Yüksekova, 12.06.1968; ZFMK 68.1910, male, Tatvan, 06.07.1968, all leg. Mittendorf.

Described from ten specimens, the specimens from 1965 could not be identified with certainty. – Dickinson (2003): *Sylvia curruca curruca* (Linnaeus, 1758).

Sylvia melanocephala pasiphaë Stresemann & Schiebel, 1925

J Ornithol 58: 659.

Paratype: ZFMK 57.998, male, Suda near Canea, Crete, 26.04.1925, leg. Schiebel.

Holotype at the ZMB, Berlin; no other specimens specified. – Dickinson (2003): *Sylvia melanocephala pasiphaë*.

Sylvia semenowi Zarudny, 1904

Orn Jahrb 15: 220–221.

Paralectotype: ZFMK H.I.21.1.γ., male, Karun Tschinebe, W Iran, 25.01.1904 (= 12.01.1904 Gregorian Calendar), ex. Coll. Zarudny No 1630, Coll. A. von Jordans No 2542.

Specimen belongs to the type series and is published as “cotype” by Jordans (1923: 26); described from seven specimens. Whereabouts of other specimens unknown. – Dickinson (2003): *Sylvia mystacea rubescens* Blanford, 1817.

Sylvia borin Pateffi Jordans, 1940

Mitt Königl Naturwiss Inst Sofia 13: 105.

Holotype: ZFMK 38.633, male ad., Bansko, Bulgaria, 05.06.1938, leg. A. von Jordans.

Paratype: ZFMK 38.634, male, Pirin Mountains near Bansko, 13.06.1938, leg. A. von Jordans.

Described from these two specimens. – Dickinson (2003): *Sylvia borin woodwardi* (Sharpe, 1877).

Sylvia clarae Kleinschmidt, 1901

Orn Monatsber 9: 167.

Holotype: Coll. Kl. 3608, male, Gafsa, Tunisia, 06.05.1899, leg. Spatz.

Paratype: Coll. Kl. 3609, female, Gafsa, 07.05.1899, leg. Spatz. – Dickinson (2003): *Sylvia borin borin* (Boddaert, 1783).

Sylvia atricapilla koenigi Jordans, 1923

Falco 19, Sonderheft: 3.

Holotype: ZFMK H.I.21.d¹.α., male, Artà, Majorca, 26.04.1913, leg. A. von Jordans No 977.

Paratypes: ZFMK H.I.21.d¹.γ., male, Esporlas, 20.05.1913; ZFMK H.I.21.d¹.δ., male, Artà, 23.04.1913; ZFMK H.I.21.d¹.ε., male, Valldemosa, 15.03.1913; ZFMK H.I.21.d¹.ζ., female, Valldemosa, 12.04.1913; ZFMK H.I.21.d¹.η., female, Esporlas, 12.03.1913; ZFMK H.I.21.d¹.θ., male, Valldemosa, 12.04.1913; ZFMK H.I.21.d¹.ι., male, Palma-Valldemosa, 10.03.1913; ZFMK H.I.21.d¹.κ., male, Albufera, 18.05.1921; ZFMK H.I.21.d¹.λ., male, Valldemosa, 03.05.1921; ZFMK H.I.21.d¹.μ., male, Alcudia, 20.06.1921; ZFMK H.I.21.d¹.ν., male, Alcudia, 20.06.1921; ZFMK H.I.21.d¹.ξ., male, Alcudia, Majorca, 20.06.1921, all leg. A. v. Jordans.

Described from twenty-two specimens, one exchanged with the MfN, Berlin; the whereabouts of the remaining skins are unknown. – Dickinson (2003): *Sylvia atricapilla pauluccii* Arrigoni, 1902.

TIMALIIDAE

Pnoepyga immaculata Martens & Eck, 1991

J Ornithol 132: 180.

Holotype: ZFMK 91.03, male, Thakkola, beneath Lete, 2530m, Mustang district, Nepal, 01.05.1980, leg. Martens.

Paratype: ZFMK 71.946, female, Thakkola, Chadziou Khola, 2600 m, Mustang district, 30.06.1970, leg. Martens.

Described from a series of two males and two females; other paratypes at the ZSM, Munich and CNHM, Chicago; topotypical material at the ZFMK. – Dickinson (2003): *Pnoepyga immaculata*.

Panurus biarmicus kosswigi Kumerloeve, 1958

Bonn zool Beitr 9: 197.

Holotype: ZFMK 58.460, male, Amik-Gölü, Turkey, 08.05.1953, leg. Kumerloeve.

Paratypes: ZFMK 58.461, male, Amik-Gölü, Turkey, 06.05.1953; ZFMK 58.462, Amik-Gölü, 06.05.1953; ZFMK 58.463, female, Amik-Gölü, 08.05.1953, all leg. Kumerloeve. – Dickinson (2003): *Panurus biarmicus kosswigi*.

Trochalopteron (Janthocichla) lineatum bilkevitchi

Zarduny, 1910

Orn Monatsber 18: 188.

Paralectotype: ZFMK H.I.20^a.a'. α ., male, Chermadschan, Buchara, Russland, 14.07.1910 (= 01.07. Gregorian Calendar), leg. Zarudny, Coll. Härms No 1763, Coll. v. Jordans No 1551.

Status derived from handwritten "Cotype" on label. – Dickinson (2003): *Garrulax lineatus bilkevitchi* (Zarduny, 1910).

ZOSTEROPIDAE***Zosterops poliogaster gerhardi*** van den Elzen & König, 1983

Bonn zool Beitr 34: 164.

Paratypes: ZFMK 78.195, female, Gilo, Imatong Mountains, S Sudan, 06.01.1978; ZFMK 78.196, male, Gilo, 03.01.1978; ZFMK. 78.197, male, Gilo, 03.01.1978, all leg. Nikolaus.

Holotype and two paratypes at the SMNS, Stuttgart (Holotype No 55.187, paratypes No. 55.185, 55.186). – Dickinson (2003) presumably: *Zosterops poliogastrus kaffensis* Neumann, 1902.

TROGLODYTIDAE***Troglodytes troglodytes stresemanni*** Schiebel, 1926

Orn Monatsber 34: 14.

Holotype: ZFMK 57.1055, male, Elos, SW Crete, 24.04.1925, leg. Schiebel.

Described from seven specimens. A specimen labelled as „cotype“ is housed at the MfN, Berlin (No 25.1444), topotypical material at the ZFMK (57.1054, 57.1056–57.1059, Topolia, Homalo, 24.04.–05.05.1925). – Dickinson (2003): *Troglodytes troglodytes troglodytes* (Linnaeus, 1758).

Troglodytes troglodytes weigoldi Jordans, 1923

Orn Monatsber 31: 14.

Paratype: ZFMK G.VII.1.a⁵. α ., Favaios, Portugal, 20.03.1913, leg. Weigold.

Holotype and paratype at the MfN, Berlin, t .t. Oporto.

Described from three specimens. – Dickinson (2003) presumably: *Troglodytes troglodytes kabyloorum* E. Hartert, 1910.

Troglodytes troglodytes mülleri Jordans, 1928

Nov. Zool. 34: 283.

Holotype: ZFMK G.VII.1.a². α ., male, Valldemosa, Mallorca, 12.04.1913, leg. A. von Jordans No 693.

Paratypes: ZFMK G.VII.1.a². β ., male, Alcudia, 28.03.1913; ZFMK G.VII.1.a². γ ., female, Valldemosa, 14.03.1913; ZFMK G.VII.1.a². δ ., male, Valldemosa, 12.04.1913; ZFMK G.VII.1.a². ϵ ., male, Valldemosa, 28.03.1913; ZFMK G.VII.1.a². ζ ., male, Alcudia, 28.03.1913; ZFMK G.VII.1.a². η ., o, Alcudia, 28.03.1913; ZFMK G.VII.1.a². θ ., male, Lluch, 22.03.1913; ZFMK G.VII.1.a². ι ., male, Alcudia, 26.03.1913; ZFMK G.VII.1.a². κ ., male, Santany, 05.04.1913; ZFMK G.VII.1.a². λ ., male, Lluch, 18.04.1921; ZFMK G.VII.1.a². μ ., male juv., Albufera, 18.05.1921; ZFMK G.VII.1.a². ξ ., male juv., Alcudia, 04.06.1921; ZFMK G.VII.1.a². \omicron ., male juv., Alcudia, 04.06.1921; ZFMK G.VII.1.a². π ., male, Alcudia, 18.05.1921; ZFMK G.VII.1.a². ρ ., male, Valldemosa, 03.05.1921; ZFMK G.VII.1.a². σ ., Lluch, 09.04.1921; ZFMK G.VII.1.a². τ ., Valldemosa, 28.03.1921; ZFMK G.VII.1.a². υ ., female, Alcudia, 10.06.1927, all leg. A. v. Jordans.

Described from a series of twenty-seven individuals, twenty registered in inventory of ZFMK bird skin collection, one specimen exchanged with MfN, Berlin. Whereabouts of other specimens unknown. – Dickinson (2003) presumably: *Troglodytes troglodytes kabyloorum* E. Hartert, 1910.

Troglodytes parvulus hyrcanus Zarudny & Loudon, 1905

Orn Monatsber 13: 107.

Paralectotype: ZFMK G.VII.1.a⁴. α ., male, Kuljam-Chadschi-Ali, W Iran, 26.10.1903 (= 13.10.1903 Gregorian Calendar), Coll. Zarudny No 1638, ex Coll. Jordans.

No information on material was given in the original description; no types designated. The whereabouts of the other specimens are unknown; the ZFMK specimen was labelled "cotype" by A. von Jordans subsequently and defined as paralectotype by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Troglodytes troglodytes hyrcanus*.

SITTIDAE

Sitta dresseri Zarudny & Buturlin, 1906
Orn Monatsber 14: 132.

Paralectotype: ZFMK G.IX.1.e¹.α., male, Charadschi (=Kharaji), W Iran, 14.04. (= 28.04. in the Gregorian Calendar) 1904, leg. Zarudny No 1631, ex coll. A. von Jordans 1068.

Described from a series of unknown size; measurements are given from eight specimens. Zarudny & Härms (1923) mention twelve specimens collected, so according to Mlikovsky (2007) the syntype series consisted of twelve specimens. Specimen of ZFMK labelled by A. v. Jordans as “cotype” and published in Jordans (1923: 18); lectotype in NHMW, Vienna, for details see Mlikovsky (2007). – Dickinson (2003): *Sitta tephronota dresseri*.

Sitta tschitscherini Zarudny, 1904
Orn Jahrb 15: 218.

Paralectotype?, ZFMK G.IX.1.d³. α., male ad., Sarchun, (Sar Khun), NW Iran, 21.12. 1903 (= 03.01.1904 in the Gregorian Calendar), coll. Zarudny No 1484, ex Coll. A. von Jordans 1064.

In original description three specimens from Ispahan (=Es-fahan), Iran, presented with measurements, but no dates; ZFMK specimen labelled by A. v. Jordans as “cotype”, also registered as “cotype” in inventory and published as cotype in Jordans (1923: 18). Specimen not included in Mlikovsky (2007). – Dickinson (2003): *Sitta neumayer tschitscherini*.

Sitta europaea rubiginosa Tschusi & Zarudny, 1905
Orn Jahrb 16: 140.

Paralectotypes ? : ZFMK G.IX.1.a¹¹. α., male, Sermab-Dasht, N Iran, 09.10.1903 (= 22.10.1903 in the Gregorian Calendar), leg. Zarudny No 1633, ex coll. A. von Jordans No 1055; ZFMK G.IX.1.a¹¹. β., female, Sermab-Dasht, N Iran, 9.10.1903 (= 22.10.1903 in the Gregorian calendar), leg. Zarudny No 1823, ex coll. A. von Jordans No 1056.

Type specimen designated in original description; male, Asterabad, 09.10.1903, No 5501, Coll. v. Tschusi; probably in the NHMW, Vienna; paralectotypes labelled by A. von Jordans as “cotypes”, also registered as such in inventory of the ZFMK bird collection. – Dickinson (2003): *Sitta europaea rubiginosa*.

Bonn zoological Bulletin 59: 29–77

Sitta reichenowi Kleinschmidt, 1917
Falco 13: 21.

Lectotype: Coll. Kl. 5058, male, Myslowitz, Silesia, 29.03.1911, leg. Natorp.

Very poor description, type designated only in Catalogue (Kleinschmidt 1935–1943: 108). There also the numbers Coll. Kl. 5059–5062 are listed under the same species name and locality and may be paralectotypes. – [Dickinson (2003)]: *Sitta europaea europaea>caesia*

Sitta hassica Kleinschmidt, 1917
Falco 13: 22.

Lectotype: Coll. Kl. 5000, female, Kornsand/Rhine, 30.08.1889, leg. Kleinschmidt.

Paralectotype: Coll. Kl. 5001, male, Knoblochsau/Rhine, near Darmstadt, 17.09.1899, leg. Kleinschmidt.

Very poor description, no type specimens defined in either description or in Catalogue (Kleinschmidt 1935–1943: 108). Lectotype and paralectotype designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Sitta europaea caesia* Wolf, 1810.

Sitta Auto-Sitta hoerningi Kleinschmidt, 1928
Berajah, Sitta Auto-Sitta: 6.

Holotype: Coll. Kl. 5024, female, Mehliis, Thuringian Forest, 30.04.1928, leg. Hörning.

Paralectotypes: Coll. Kl. 5021–5023, 2 males, female, 17.02.1920 and 30.04.1928, and 5025–5027, 2 females, o, 22.09., 14.12.1919 and 22.09.1928, locality and collector like holotype.

In the original description only the holotype is designated, other topotypical specimens are not specified in detail. Paralectotypes designated by Rheinwald & van den Elzen (1984), based on entry in Catalogue (Kleinschmidt 1935–1943: 108). – Dickinson (2003): *Sitta europaea caesia* Wolf, 1810.

Sitta Auto-Sitta dalmatina Kleinschmidt, 1928
Berajah, Sitta Auto-Sitta: 13.

Nomen novum for *Sitta caesia longirostris* A. E. Brehm, 1866; Verz. Sammlungen., p.6 (nomen nudum).

Holotype: Coll. Kl. 5013, male, Castelnuovo, Dalmatia, 24.03.1914.

Paratype: Coll. Kl. 5014, female, Castelnuovo, Dalmatia, 11.09.1912. – Dickinson (2003): *Sitta europaea cisalpina* Sachtleben, 1919.

Sitta siciliae Kleinschmidt & Jordans, 1932
Falco 28: 6.

Holotype: Coll. Kl. 5012, male, Troina, Sicily, 18.09.1929, per Rosenberg.

Paratypes: ZFMK G.IX.1.a⁶.α. and β., 2 females, Enna, Sicily, 10.09.1929, per Rosenberg.

– Dickinson (2003): *Sitta europaea cisalpina* Sachtleben, 1919.

Sitta Auto-Sitta bacmeisteri Kleinschmidt, 1943
Katalog meiner ornithologischen Sammlung: 108.

Holotype: Coll. Kl. 4989, male, Vitarville, Departement Meuse, France, 15.09.1916, leg. Bacmeister.

Only this specimen was labelled as “*bacmeisteri*”, however, Coll. Kl. 4990–4997 are listed as “*bacmeisteri*” in the Catalogue (Kleinschmidt 1938–1943), too. These might therefore be recognized as paratypes. – Dickinson (2003): *Sitta europaea caesia* Wolf, 1810.

Sitta europaea itschangensis Kleinschmidt & Weigold, 1922
Abh Ber Mus Tierk Dresden 15: 9.

Paralectotype: Coll. Kl. 5121, male, near Itschang, China, 14.II.1914, leg. Weigold.

Described from a series of nine specimens. The holotype was at the SNS, Dresden C 23936 and was lost in 1945; topotypical material exists in Dresden (Eck, 1970), designated by Eck & Quaiser (2004) as syntypes; paralectotype status designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Sitta europaea sinensis* Verreaux, 1871.

Sitta (europaea) tibetosinensis Kleinschmidt & Weigold, 1922
Abh Ber Mus Tierk Dresden, 15: 10.

Paralectotype: Coll. Kl. 5132, male, Samendo, E Tibet, 16.10.1915, leg. Weigold.

Described from three specimens; type specimen at the SNS, Dresden. C 23942, lost in 1945; (Eck, 1970); third Bonn zoological Bulletin 59: 29–77

specimen in Dresden (Eck & Quaiser 2004). Paralectotype status designated by Rheinwald & van den Elzen (1984). – Dickinson (2003) presumably: *Sitta nagaensis montium* La Touche, 1899.

CERTHIIDAE

Certhia rhenana Kleinschmidt, 1900
Orn Monatsber 8: 169.

Holotype: Coll. Kl. 5222, male, Gunterhausen, banks of the River Rhine between Mainz and Worms, 08.11.1897, leg. Kleinschmidt.

Paralectotypes: Coll. Kl. 5223–5227, 3 males, female, o, Knoblochsau/Rhine near Darmstadt, 17.09.1899, 09.01.1898, 11.01.1898, 15.08.1892, leg. Kleinschmidt.

Only type specimen designated in the original description, paralectotypes designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Certhia familiaris macrodactyla* C. L. Brehm, 1831.

Certhia brachydactyla nigricans Jordans, 1931
Orn Monatsber 39: 181.

Holotype: ZFMK G.VIII.1.b⁶.t., male, Mosqueruela, Ternel, E Spain, 09.01.1931, leg. Grün.

Paratypes: ZFMK G.VIII.1.b⁶.β., male, Mosqueruela, E Spain, 02.01.1931; ZFMK G.VIII.1.b⁶.κ., o, Mosqueruela, Ternel, 05.01.1931; ZFMK G.VIII.1.b⁶.λ., o, Mosqueruela, Ternel, 05.01.1931, all leg. Grün.

Described from six specimens collected in January. Further two individuals from the same locality, dated 12.1930 and 02.1933, are labelled as “cotypes”, though only birds from January are mentioned in the original description. – Dickinson (2003): *Certhia brachydactyla brachydactyla* C. L. Brehm, 1820.

Certhia brachydactyla obscura Jordans, 1934
Alauda 5: 522.

Holotype: ZFMK G.VIII.1.b⁸.a., male, Lagunilly-Bejar, Spain, 27.10.1933, leg. Grün.

Paralectotypes: ZFMK.G.1.b⁸.ζ. male, Lagunilla, 19.10.1933; ZFMK.G.1.b⁸.ε., female, Lagunilla, 20.10.1933, all leg. Grün.

Described from six specimens, only the holotype is designated; in the footnote further five specimens are mentioned as newly arrived and “perfectly matching”. The five specimens in the ZFMK skin collection, dated from December 1933 were therefore not recognized as paratypes (Rheinwald & van den Elzen 1984). Two paratypes were exchanged with the AMNH, New York, one handed to Fouard. – Dickinson (2003): *Certhia brachydactyla megarhyncha* C. L. Brehm, 1831.

STURNIDAE

Sturnus balcanicus Buturlin & Härms, 1909
Orn Monatsber 17: 56.

Syntypes: ZFMK F.III.1.a⁵. α., male, Barza, Romania, 01.06.1901, ex Coll. Härms No 1143; ZFMK F.III.1.a⁵. β., male, Fetsci, 20.03.1907, ex Coll. Härms 1243; ZFMK F.III.1.a⁵. δ., 2 females, Cernovoda, 24.04.1906, ex Coll. Härms No 1249.

Described from a series of twelve specimens; whereabouts of the other specimens uncertain. – Dickinson (2003): *Sturnus vulgaris vulgaris* Linnaeus, 1758.

TURDIDAE

Turdus merula mallorcae Jordans, 1950
Syll Biol, Festschr Kleinschmidt: 172.

Lectotype: ZFMK H.III.1.a⁸. θ, male, Arta, Majorca, 22.04.1913, leg. A. von Jordans No 802.

Paralectotypes: ZFMK H.III.1.a⁸. α., male, Esporlas, 20.05.1913; ZFMK H.III.1.a⁸. β., Arta, Majorca, 23.04.1913; ZFMK H.III.1.a⁸. γ., female, Arta, Majorca, 24.04.1913; ZFMK H.III.1.a⁸. δ., female, Santany, 07.05.1913; ZFMK H.III.1.a⁸. ε., male, Arta, Majorca, 22.04.1913, leg A. v. Jordans No 804; ZFMK H.III.1.a⁸. ζ., Santany, 07.05.1913; ZFMK H.III.1.a⁸. ι., male, Alcudia, Mallorca, 05.04.1913; ZFMK H.III.1.a⁸. κ, male, Arta, Majorca, 22.04.1913, leg A. V. Jordans 803; ZFMK H.III.1.a⁸. λ., male, Arta, 03.04.1921; ZFMK H.III.1.a⁸. μ., male, Arta, 31.03.1921; ZFMK H.III.1.a⁸. ν., male juv., Alcudia, 09.06.1921; ZFMK H.III.1.a⁸. ξ., male juv., Alcudia, 09.06.1921; ZFMK H.III.1.a⁸. ο., male juv., Alcudia, 22.06.1921; ZFMK H.III.1.a⁸. π., female juv., Santany, 04.05.1913; ZFMK H.III.1.a⁸. ρ., male juv., Albufera, 18.05.1921, all leg. A. v. Jordans.

Described from seventeen specimens, sixteen still in the ZFMK collections. Three males are registered in the inventory under 22.04.1913; information on type status taken from label in collection of ZFMK (Rheinwald & van den Elzen 1984). One specimen has been exchanged with the AMNH, New York. – Dickinson (2003) presumably: *Turdus merula merula* Linnaeus, 1758.

Turdus hispaniae Kleinschmidt, 1909
Falco 5: 22.

Lectotype: Coll. Kl. 3378, male, Malaga, Spain, 24.09.1903, per Schlüter.

Paralectotypes: Coll. Kl. 3379–3380, 2 male, Malaga, 15.01.1904 and 15.04.1905, per Schlüter.

No types designated in the original description; types and paratypes designated by Kleinschmidt (1935–1943: 84) in his Catalogue. – Dickinson (2003): *Turdus merula merula* Linnaeus, 1758.

Turdus rüdigeri Kleinschmidt, 1919
Falco 14: 15.

Holotype: Coll. Kl. 3367, female, Chambley, E France, 18.04.1918, leg. Rüdiger.

Paralectotypes: Coll. Kl. 3364–3366, male, male juv., female, Cote Chambley, E France, and “France”, 21.01.–18.04.1918, leg. Rüdiger.

Only holotype specified; paralectotypes designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Turdus merula merula* Linnaeus, 1758.

Turdus ultrapilaris Kleinschmidt, 1919
Falco 14: 16.

Lectotype: Coll. Kl. 3297, male, Issyk-Kul, W Asia, 05.01.1908, leg. Tancre.

Paralectotypes: Coll. Kl. 3298–3299, male, female, Issyk-Kul, 05.01.1908, leg. Tancre.

Rather poor description, no type defined. Information on type status from Catalogue (Kleinschmidt 1935–1943: 83); paralectotypes designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Turdus pilaris* Linnaeus, 1758.

Turdus pseudohodgsoni Kleinschmidt, 1909
Falco 5: 20.

Holotype: Coll. Kl. 3262, male, Taschkent, Russia, 02.03.1908.

There was apparently no further material at hand for the description. – Dickinson (2003): *Turdus viscivorus viscivorus* Linnaeus, 1758.

Turdus viscivorus hispaniae Jordans, 1950
Syll Biol, Festschr Kleinschmidt: 171.

Holotype: ZFMK 46.179, male, Linares de Riofrio, Spain, 08.04.1943, leg. Grün.

Paratypes: ZFMK 46.180, male, Linares, 01.04.1943; ZFMK 46.181, male, Linares, 03.04.1942; ZFMK 46.182, male, Linares, 04.04.1942; ZFMK 46.183, male, Linares, 10.04.1942; ZFMK 46.184, female, Linares, 04.04.1942; ZFMK 46.185, female, Linares, 04.04.1942; ZFMK 46.186, female, Linares, 04.04.1942; ZFMK 187, female, Linares, 04.04.1942; ZFMK 46.188, female, Linares, 04.04.1942, all leg. H. Grün.

Described from five males and four females; preoccupied by *Turdus hispaniae* Kleinschmidt, 1909. – Dickinson (2003): see following taxon.

Turdus viscivorus jordansi Eck, 1970
Zool Abh Mus Tierk Dresden 30: 135

Holotype: ZFMK 46.179, male, see previous taxon.

Nomen novum for *Turdus viscivorus hispaniae* Jordans, 1950, this taxon being preoccupied by *Turdus hispaniae* Kleinschmidt, 1909. – Dickinson (2003): *Turdus viscivorus viscivorus* Linnaeus, 1758.

MUSCICAPIDAE

Phoenicurus phoenicurus caesitergum Clancey, 1947
Bull Brit Orn Cl 67: 77.

Paralectotype. ZFMK 50.56, female, Northumberland, England, 31.05.1942, leg. Clancey.

Holotype in the Coll. Clancey, RSME, Edinburgh, t. t. Burnley, Lancashire, England. – Dickinson (2003): *Phoenicurus phoenicurus phoenicurus* (Linnaeus, 1758).

Bonn zoological Bulletin 59: 29–77

Erithacus algeriensis Kleinschmidt, 1904
Orn Monatsber 12: 197.

Lectotype: Coll. Kl. 2921, male, Lambèse, “in the wood”, Algeria, 11.06.1904, leg. Flükiger.

Paralectotypes: Coll. KL. 2922–2924, 3 male, Lambèse, 9.–11.06.1904, leg. Flükiger.

No type defined in the original description; information on type status taken from Catalogue (Kleinschmidt 1935–1943: 73). – Dickinson (2003): *Phoenicurus phoenicurus phoenicurus* (Linnaeus, 1758).

Phoenicurus ochruros aterrimus Jordans, 1923
Falco 19, Sonderheft: 8.

Lectotype: Coll. Kl. 2804, male, Bellas, Portugal, 06.1906.

Paralectotypes: Coll. Kl. 2805, female, Bellas, 06.1906; ZFMK H. II. 6. a'β., male, Pinchao bei Aligó, 18.03.1913, leg. Weigold.

No type specimens designated in original description; two specimens in the Kleinschmidt Collection match the date and locality provided in the description; type status designated in Catalogue Kleinschmidt (1935–1943: 72) and also on label in the ZFMK collections. Second paralectotype designated by van den Elzen (1986). – Dickinson (2003): *Phoenicurus ochruros aterrimus*.

Saxicola rubetra hesperophila Clancey, 1949
Limosa 22: 369.

Paralectotypes: ZFMK 50.312–50.315, male, 2 females, female juv., Argyllshire, SW Scotland, 17.07.–18.08.1948, leg. Clancey.

Holotype in the Coll. Clancey, RSME, Edinburgh, t. t. Newton Mearns, E Renfrewshire. Only holotype designated in the original description. Information on paralectotypes derived from ZFMK inventory and labels in the collection; paralectotype status designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Saxicola rubetra* (Linnaeus, 1758).

Saxicola rubetra sengüni Kumerloeve, 1969
Rev Fac Sci Univ Istanbul 34: 277.

Syntypes: ZFMK 68.1873, female, Yüksekova, Turkey, 10.06.1968; ZFMK 68.1874, male, Van-Ermaniz, 23.06.1968; ZFMK 68.1875, male juv., Van-Ermaniz

23.06.1968, leg. Mittendorf, Nos 201, 274, 275. – Dickinson (2003): *Saxicola rubetra* (Linnaeus, 1758).

Saxicola torquata gabrielae Neumann & Paludan, 1937
Orn Monatsber 45: 15.

Lectotype: ZFMK 41.492 male, Olymp, S of Brussa, Asia Minor, 20.07.1934. Paralectotype: ZFMK 41.493, male, Olymp, S of Brussa, Asia Minor, 20.07.1934, both leg. G. Neuhäuser.

Described from a series of nine males, five from “W and C Asia Minor” and four from Rhodos. Two of our specimens meet the locality and date of the defined “type” of the original description, the specimen ZFMK 41.492 bears a label with “type” in an old handwriting. The second specimen is chosen as a paralectotype. The whereabouts of the remaining specimens are not known. – Dickinson (2003): *Saxicola torquata rubicola* (Linnaeus, 1766).

Saxicola transfuga Kleinschmidt, 1936
Nova Acta Leopold, N.F. 4: 377.

Lectotype: Coll. Kl. 2547, male, Schuster, W Iran, 22.03.1904.

Paralectotype: Coll. Kl. 2548, female, Mamed-abad, E Iran, 19.07.1901.

Neither in the original description nor in the Catalogue (Kleinschmidt 1935–1943: 66) type specimens were designated. Type status was taken from the handwritten label; lectotype and paralectotype designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Oenanthe pleschanka transfuga*, but see Haffer (1977: 37).

Saxicola Meridionalis reiseri Kleinschmidt, 1943
Katalog meiner ornithologischen Sammlung: 65 and 69.

Lectotype: Coll. Kl. 2534, male, Mosco, Bosnia - Herzegovina, 23.04.1893.

Paralectotype: Coll. Kl. 2535, female, Trebinje, Bosnia - Herzegovina, 24.04.1893.

Very poor description, but illustrated on page 70; no types designated in Catalogue (Kleinschmidt 1935–1943: 65); lectotype and paralectotype designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Oenanthe hispanica hispanica* (Linnaeus, 1758).

Saxicola palearctica Kleinschmidt, 1920
Falco 17: 3.

Lectotype: Coll. Kl. 2490, male, Sirax, Trans-Caspia, 20.03.1905, per Schlüter.

Kleinschmidt (1935–1943: 65) considers specimens collected at the same time and the same place (Coll. Kl. 2491–2495, 2 males, male juv., 2 females, Sirax, 20.–26.03.1905) as questionably similar to the type. No type specimen designated in the poor original description; lectotype designated in Catalogue (Kleinschmidt 1935–1943: 65). – Dickinson (2003): *Oenanthe oenanthe libanotica* (Hemprich & Ehrenberg, 1833).

Saxicola Borealis obtusa Kleinschmidt, 1943
Katalog meiner ornithologischen Sammlung: 64.

Lectotype: Coll. Kl. 2466, male, Gennargentu, Sardinia, 28.06.1907, leg. Meloni.

Paralectotypes: Coll. Kl. 2467–2475, 2 males, 4 females, 3 imm., Gennargentu, 26.–31.07.1903, leg. Meloni.

Very poor description, no types designated, information taken from label in Kleinschmidt Collection; lecto- and paralectotypes designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Oenanthe oenanthe libanotica* (Hemprich & Ehrenberg, 1833).

Saxicola Borealis exilipes Kleinschmidt, 1943
Katalog meiner ornithologischen Sammlung: 65.

Lectotype: Coll. Kl. 2485, male ad., Sarpa/ Wolga, Russia, 05.1909.

Paralectotype: Coll. Kl. 2486, o ad., Sarpa/ Wolga, 05.1909.

Very poor description, no types designated, information taken from label in Kleinschmidt Collection; lecto- and paralectotypes designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Oenanthe oenanthe oenanthe* (Linnaeus, 1758).

Oenanthe tractrac hoeschi Niethammer, 1955
Bonn zool Beitr 6: 188.

Paratype: ZFMK 66.899, female, Kaokoveld w Orupembe, Namibia, 27.06.1952, leg. Hoesch.

Holotype: UMB, Bremen No 19.905, male, Kaokoveld w Orupembe, Namibia, 28.06.1952, leg Hoesch.

Described from these two specimens. – Dickinson (2003): *Cercomela tractrac hoeschi* (Niethammer, 1955).

Cercomela familiaris hoeschi Niethammer, 1955
Bonn zool Beitr 6: 189.

Paratype: ZFMK 39.458, male, Brandberg, Namibia, 17.09.1938, leg. G. Niethammer No 94.

Holotype at the UMB (Bremen) No 19.907, t.t. Otju, Kaokoveld. Preoccupied by *Oenanthe tractrac hoeschi* Niethammer, 1955, because the species *tractrac* has to be placed within *Cercomela*, if this is accepted as separate genus. Niethammer treated this form as synonym of *Oenanthe familiaris angolensis* later. – Dickinson (2003): *Oenanthe familiaris angolensis* Lynes, 1926.

Erithacus superbis Koenig, 1889
J Orn 37: 183.

Syntypes: ZFMK H.II.4.a³.β. male, Icod el Alto, Tenerife, Canary Islands, 17.02. 1889; ZFMK H.II.4.a³.δ., male, Villa Orotava, Tenerife, Canary Islands, 06.04.1889 – **specimen lost**, all leg. Koenig.

Paralectotypes: ZFMK H.II.4.a³.α., male, Villa Orotava, 22.01.1889; ZFMK H.II.4.a³.γ., male, Villa Orotava, 06.04.1889; ZFMK H.II.4.a³.ε., female, Icod el Alto, 17.02.1889; ZFMK H.II.4.a³.ζ., o, Icod el Alto, 17.02.1889; ZFMK H.II.4.a³.η., female, Pinar, 11.04.1889; ZFMK H.II.4.a³.θ., o, Pinar, 13.04.1889; ZFMK H.II.4.a³.ι., female, 16.04.1889, all leg. Koenig.

In the original description no type specimen was defined; in the inventory register β. and δ. are designated as type specimens. The latter is currently untraceable in the collection, supposedly also integrated in the permanent exhibition. All type specimens of Koenig were mounted in the first place and have been prepared as skins only after 1943. Specimens numbered α, γ and ε are registered as “cotypes” in the inventory (marked by crosses), but 5 more specimens from the same localities and time period are also registered. They have been chosen as paralectotypes by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Erithacus rubecula superbis*.

Erithacus rubecula hispaniae Jordans, 1950
Syll Biol, Festschr Kleinschmidt: 174.

Holotype: ZFMK 46.232, male, Linares de Riofrio, Salamanca, Spain, 20.04.1943, leg. H. Grün.

Bonn zoological Bulletin 59: 29–77

Paralectotypes: ZFMK 46.233, female, Linares de Riofrio, 28.04.1942; ZFMK 46. 234, male, Linares, 12.04.1942; ZFMK 46.235, male, Linares, 30.04.1942, all leg. H. Grün.

Described from three males and one female collected “end of April, beginning of May”; only holotype designated in original description. Paralectotypes designated by Rheinwald & van den Elzen (1984), and information on status taken from inventory of ZFMK bird collection. – Dickinson (2003): *Erithacus rubecula rubecula* (Linnaeus, 1758).

Erithacus Dandalus sardus Kleinschmidt, 1906
Falco 2: 70.

Lectotype: Coll. Kl. 2985, male, Pizzo Tricoli, Ogliastra, Sardinia, 26.05.1905.

Paralectotypes: Coll. Kl. 2986–2991, 5 males, o, Pizzo Tricoli and Lanusei, Ogliastra, 30.08.1904, 04.06.1905, 02.–03.09.1906.

No types defined in the original description; lectotype designated by Kleinschmidt in his Catalogue (1935–1943: 75); paralectotypes designated by Rheinwald & van den Elzen (1984). One para(lecto)type in the SNS, Dresden (Eck & Quaisser 2004). – Dickinson (2003): *Erithacus rubecula sardus*.

Erithacus rubecula monnardi Kleinschmidt, 1916
Falco 12: 14.

Lectotype: Coll. Kl. 2981, o ad., La Tourauderie, Dept. Ardennes, France, 24.02.1916, leg. Bacmeister.

Paralectotypes: Coll. Kl. 2982–2983, 2 o, La Tourauderie, 24.02. and 17.03.1916, leg. Bacmeister.

Originally described from three specimens, lectotype designated in Catalogue (Kleinschmidt 1935–1943: 75), also paralectotypes. – Dickinson (2003): *Erithacus rubecula rubecula* (Linnaeus, 1758)

Luscinia megarhynchos luscinioides Jordans, 1923
Falco 19, Sonderheft: 3.

Holotype: ZFMK H.II.2.a³.α., male, Arta, Majorca, 22.04.1913, leg. A. von Jordans No 839.

Paralectotypes: ZFMK H.II.2.a³.β., male, Santany, 09.05.1913; ZFMK H.II.2.a³.γ., male, Arta, Majorca,

26.04.1913; ZFMK H.II.2.a³.δ., male, Arta, Majorca, 26.04.1913; ZFMK H.II.2.a³.ε., female, Valldemosa, 19.05.1913; ZFMK H.II.2.a³.ζ., male, Santany, 09.05.1913; ZFMK H.II.2.a³.η., male, Arta, Majorca, 25.04.1913; ZFMK H.II.2.a³.θ., male, Santany, 01.05.1913; ZFMK H.II.2.a³.ι., male, Santany, 01.05.1913; ZFMK H.II.2.a³.κ., male, Santany, 09.05.1913; ZFMK H.II.2.a³.μ., female, Alcudia, 06.06.1921; ZFMK H.II.2.a³.ν., male, Alcudia, 08.05.1921; ZFMK H.II.2.a³.ξ., male, Albufera, 16.05.1921; ZFMK H.II.2.a³.π., male, Alcudia, 20.05.1921; ZFMK H.II.2.a³.ρ., male, Alcudia, 14.06.1921; ZFMK H.II.2.a³.σ., male, Alcudia, 06.05.1921; ZFMK H.II.2.a³.τ., male, Alcudia, 06.05.1921, all leg. A. von Jordans.

Described from twenty-six specimens; only holotype specimen designated, no paratypes defined. Of the original series seventeen still exist in the ZFMK collection, two more specimens were exchanged with the AMNH, New York, and Tring, UK; whereabouts of others unknown. Paralectotypes designated by Rheinwald & van den Elzen (1984) based on specimens traced in the ZFMK inventory. – Dickinson (2003): *Luscinia megarhynchos megarhynchos* C.L. Brehm, 1831.

Luscinia megarhynchos caligiformis Clancey & Jordans, 1950

Auk 67: 361.

Paratype: ZFMK 50.316, male ad., Martlesham, Woodbridge, E Suffolk, England, 11.06.1941, leg. Clancey.

Holotype at the RSME, Edinburgh, t. t. as above. – Dickinson (2003): *Luscinia megarhynchos megarhynchos* C.L. Brehm, 1831.

Luscinia svecica weigoldi Kleinschmidt, 1923

Abh Ber Mus Tierk Dresden 16: 43.

Paralectotype: Coll. Kl. 3092, male, Bago, 90 km n of Jehol, NO Tschili, 13.05.1916, leg. Weigold.

Holo(?)type C 23 427 at the SNS, Dresden, lost since 1945, other type material still exists (Eck & Quaisser 2004).

Described from a series of eight males and four females. No types designated in the original description, three more paratype specimens in the SNS, Dresden. ZFMK specimen designated as paratype by Kleinschmidt (1935–1943: 77) in his Catalogue. – Dickinson (2003): *Luscinia svecica svecica* (Linnaeus, 1758).

Erithacus gaetkei Kleinschmidt, 1904

J Ornithol 52: 302.

Lectotype: Coll. Kl. 3045, male, Heligoland, “spring” 1896, leg. Kemp, per de Maes.

Paralectotypes: Coll. Kl. 3046–3051, 2 males, male juv., female, Heligoland, “spring” and “autumn” 1896, leg. Kemp, per de Maes.

No type specimen defined in the description; the „type specimen“ designated in the Catalogue (Kleinschmidt 1935–1943: 76). There is also information given in a footnote that a larger series existed for the original description. – Dickinson (2003): *Luscinia svecica svecica* (Linnaeus, 1758).

Erithacus volgae Kleinschmidt, 1907

Falco 3: 47.

Holotype: Coll. Kl. 3097, male, Sarpa a.d. Wolga, Russia, 05.1906, per Schlüter.

No further material existed for the brief description. – Dickinson (2003): *Luscinia svecica volgae*.

Muscicapa striata tyrrhenica Schiebel, 1910

Orn Jb 21: 102.

Syntype: ZFMK 57.1307, female, Aitone near Evisa, Corsica, 19.05.1910, leg. Schiebel.

Paralectotype: ZFMK 57.1306, female, Aitone, 26.05.1910, leg. Schiebel.

The other syntype, the mated male, is housed at the NHMW, Vienna (NMW 70.694, male, Aitone near Evisa, Corsica, 19.05.1910, leg. Schiebel), also some other paralectotypes; see Schifter & van den Elzen (1986). – Dickinson (2003): *Muscicapa striata tyrrhenica*.

Muscicapa striata cretica Schiebel, 1925

J Ornithol 58: 659.

Syntypes: ZFMK 57.1016, male, Kalessor near Candia, Crete, 07.06.1925, and ZFMK 57.1013, female, Canea, Crete, 15.05.1925, both leg. Schiebel.

A presumed paralectotype is ZFMK 57.1015, male, Homalo, Crete, 04.05.1925; see also Schifter & van den Elzen (1986). – Dickinson (2003): *Muscicapa striata neumanni* Poche, 1904.

Muscicapa striata balearica Jordans, 1913
Falco 9: 43.

Lectotype: ZFMK G.II.1.a³.α., male, S Valldemosa, Majorca, 19.05.1913, leg. A. von Jordans No 654.

Paralectotype: ZFMK G.II.1.a³.γ., female, Santany, Majorca, 02.05.1913, leg. A. von Jordans.

In the original description no type specimen is designated; information on type status is taken from collection labels and inventory of ZFMK collection (Rheinwald & van den Elzen 1984). There fourteen specimens (including the type specimen) are listed, but not defined as type material: ZFMK G.II.1.a³.β.-ζ., θ-ξ., four males, seven females, Valldemosa, Sta. Ponsa, Santany, Arta, Isla Dragonera, 16.04.–19.05.1913, all leg. A. von Jordans. Three specimens were exchanged with the bird collections in Warsaw, Berlin and Dresden. – Dickinson (2003): *Muscicapa striata balearica*.

Bradornis pallidus aquaemontis Stresemann, 1937
Orn Monatsber 45: 148.

Paralectotype: ZFMK 39.972, male, Waterberg-Plateau, Namibia, 10.02.1937, leg. Hoesch No 734.

Holotype at the MfN, Berlin No 37.20, leg. Hoesch No 783.

Described from three specimens, only holotype designated; whereabouts of third specimen unknown. – Dickinson (2003): *Malaenornis pallidus aquaemontis* (Stresemann, 1937).

CINCLIDAE

Cinclus aquaticus tschusii Kleinschmidt & Hilgert, 1907
Falco 3: 104.

Lectotype: Coll. Kl. 3463, male, Neustadt a.d. Wied, Germany, 09.04.1896, leg. Sch. I (Schneider the Elder?)

Paralectotype: Coll. Kl. 3464, o, Gräfenbach, 09.1906.

No type defined in the original description; “Typus” and “Cotypos” designated by Kleinschmidt in his Catalogue (1935–1943: 85). – Dickinson (2003): *Cinclus cinclus aquaticus* Bechstein, 1803.

Cinclus cinclus szetschwanensis Meise, 1928
Orn Monatsber 36: 138.

Paratype: Coll. Kl. 3484, male, Taukwan/ Min, Szechuan, 15.01.1915, leg. Weigold; second paratype at the MfN, Berlin, Nr. 25.1158, Tsaupo near Wönnutschwan, 31.12.1914, leg Weigold.

Holotype at the MfN, Berlin, No 25.1157, Taukwan/ Min, Szechuan, 15.01.1915, leg. Weigold. – Dickinson (2003): *Cinclus cinclus przewalskii* Bianchi, 1900.

Cinclus cinclus amphitryon Neumann & Paludan, 1937
Orn Monatsber 45: 16.

Lectotype: ZFMK 41.434, male, Varsambek, Lasistan, Turkey, 26.08.1934, leg. Neuhäuser.

Paralectotypes: ZFMK 41.435, male, Varsambek, Lasistan, Turkey, 26.08.1934; ZFMK 41.436, male, Varsambek, 26.08.1934; ZFMK 41.437, male juv., Varsambek, 26.08.1934; ZFMK 41.438, male juv., Varsambek, 28.08.1934; ZFMK 41.439, male, Varsambek, 27.08.1934; ZFMK 41.440, male, Varsambek, 25.08.1934; ZFMK 41.441, male, Varsambek, 26.08.1934, all leg. Neuhäuser.

Described from six adult males, one juv. male, two females, ZFMK 41.442 exchanged with the AMNH, New York. Three specimens with the same date and finding locality match the “type” as presented in the original description. Information on type status taken from handwritten label in collection (Rheinwald & van den Elzen 1984). – Dickinson (2003): *Cinclus cinclus caucasicus* Madarász, 1903.

NECTARINIIDAE

Anthreptes rectirostris amadoni Eisentraut, 1973
Bonn zool Monogr 3: 248.

Holotype: ZFMK 68.625, male ad., Dikuma, Rumpi Hills, W Cameroon, 04.03.1967, leg. Eisentraut No 1188.

Only holotype designated in the original description, no details on material examined included; further three adult males, two juvenile males, one female, with the same data, are potential paratypes. – Dickinson (2003): *Anthreptes rectirostris tephrolaemus* (Jardin & Selby, 1851).

Nectarinia preussi parvirostris Eisentraut, 1965
J Ornithol 106: 219.

Holotype: ZFMK 65.6, male ad., Refugio at the peak of St. Isabel, Fernando Po (Bioko), 18.12.1962, leg. Eisentraut No 664.

Paralectotypes: ZFMK 63.949–63.959, 11 males, Moca, 10., 11. 1962; ZFMK 63.960–63.962, 2 males, female, Refugium, 01.1963 and 12. 1962; ZFMK 63.963–63.968, 7 females, Moca, 10., 11. 1962, 02., 03. 1963.

Described from a series of nineteen males and eleven females; Eisentraut collected fourteen males and seven females. No paratypes were defined in the original description; paralectotypes designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Cinnyris reichenowi preussi* Reichenow, 1892.

Nectarinia minulla amadoni Eisentraut, 1965
J Ornithol 106: 218.

Holotype: ZFMK 65.7, male ad., San Carlos, Fernando Po, 02.10.1962, leg. Eisentraut No 153.

Paralectotypes: ZFMK 63.1079–63.1082, 2 males, 2 females, San Carlos, 09., 10., 11. 1962 and ZFMK 63.1083, male, Conception 03.1963, all leg. Eisentraut.

Described from six males and three females. Only holotype, no paratypes designated in original description; paralectotypes designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Cinnyris minullus amadoni*.

PASSERIDAE

Passer montanus Hispaniae Jordans, 1933
Anz Orn Ges Bayern 2: 253.

Holotype: ZFMK I.II.3.f⁴.β., male, Oropesa, E Pyrenees, Spain, 28.10.1931, leg. Grün.

Paralectotypes: ZFMK I.II.3.f⁴.γ. to φ., 10 males, 9 females, Oropesa, 08.–11. 1931 and 02., 10.–11. 1932, all leg. Grün.

Described from twenty specimens, only type specimen designated in original description; paralectotypes designated by Rheinwald & van den Elzen (1984) as nineteen topotypical specimens were found in the collection. – Dickinson (2003): *Passer montanus montanus* (Linnaeus, 1758).

Bonn zoological Bulletin 59: 29–77

Passer catellatus Kleinschmidt, 1935
Falco Skizzen 2: 1.

Lectotype: Coll. Kl. 185, male, Sussex, England, 12. 1888, leg. Rosenberg, per Brazenor Bros.

Paralectotypes: Coll. Kl. 186, male, Sussex, 05.12.1896, leg. Rosenberg; Coll. Kl. 187 male, Tring, 25.12.1933; Coll. Kl. 188, female, Tring, 26.12.1933, both leg. Goodson.

Described from four specimens, no type designated in the description, lectotype designated in his Catalogue (Kleinschmidt 1935–1943: 7), paralectotypes designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Passer montanus catellatus*.

Passer hostilis Kleinschmidt, 1915
Falco 11: 19.

Lectotype: Coll. Kl. 30, male, Tring, Zoological Garden, England, 09.08.1897, leg. Kleinschmidt.

Paralectotypes: Coll. Kl. 28–29, 2 males, Tring, 07. and 09.08.1897, leg. Kleinschmidt.

No type specimens designated in the original description, only type locality. Coll. Kl. 30 designated as type specimen in the Catalogue (Kleinschmidt 1935–1943: 2), in the collection No 29 labelled as type. – Dickinson (2003): *Passer domesticus domesticus* (Linnaeus, 1758).

Passer ahasver Kleinschmidt, 1904
Orn Monatsber 12: 7.

Holotype: Coll. Kl. 153, male, Marrakesh, S Morocco, 03.12.1899, leg. Floericke.

Description based on one single specimen. – Dickinson (2003): *Passer domesticus tingitanus* Loche, 1867.

Passer niger Radde, 1899

Die Sammlungen des Kaukasischen Museums, 1: 246 and 260.

Paralectotype: Coll. Kl. 133, male, Kumbaschinsk, 20 km N of Lenkoran, Caucasus, 08.04.1896, leg. Floericke.

According to Kleinschmidt correct name of *Passer domesticus hyrcanus* Zarudny, 1923; paralectotype designated by Kleinschmidt (1935–1943: 5). – Dickinson (2003): *Passer domesticus hyrcanus* Zarudny & Kudashev, 1916.

©ZFMK

Passer domesticus mayaudi Kumerloeve, 1969
Rev Fac Sci Univ Istanbul 34: 258.

Holotype: ZFMK 68.2004, male, Van, Turkey, 30.06.1968, leg. Mittendorf No 336.

Paralectotypes: ZFMK 68.1989, male, Van, 30.05.1968; ZFMK 68.1994, male, Van, 30.05.1968; ZFMK 68.1995, male, Van, 19.06.1968; ZFMK 68.1996, male, Van, 19.06.1968; ZFMK 68.1997, male, Van, 19.06.1968; ZFMK 68.1998, male, Van, 19.06.1968; ZFMK 68.1999, male, Van, 19.06.1968; ZFMK 68.2000, male, Van, 20.06.1968; ZFMK 68.2001, male, Van, 22.06.1968; ZFMK 68.2002, male, Van, 27.06.1968; ZFMK 68.2003, male, Van, 27.06.1968; ZFMK 68.2004, male, Van, 30.06.1968; ZFMK 68.2005, female, Van, 19.06.1968; ZFMK 68.2006, female, Van, 27.06.1968; all leg Mittendorf, collection Kumerloeve.

Described from a series of twelve males and two females from Van; only holotype designated in original description; paralectotypes designated by Rheinwald & van den Elzen (1984), here restricted to specimens collected at the type locality. – Dickinson (2003): *Passer domesticus biblicus* Hartert, 1904

Passer domesticus balearoibericus Jordans, 1923
Falco 19, Sonderheft: 4.

Holotype: ZFMK I.II.3.a⁹.ψ., male, Valldemosa, Majorca, 01.05.1921, leg. A. von Jordans No 3060.

Paralectotypes: ZFMK I.II.3.a⁹.α., β., δ.–φ., ω., αα.–εε., 20 males, 6 females, Lluch, Artá, Valldemosa, Sta. Ponsa, Esporlas, Alcudia, 03.–05. 1913 and 03.–06.1921.

Described from a large series (thirty-seven specimens), only holotype designated in original description, paralectotypes designated by Rheinwald & van den Elzen (1984); from the series, twenty-six specimens are still in the ZFMK collection. – Dickinson (2003): *Passer domesticus balearoibericus*.

Passer flückigeri Kleinschmidt, 1904
Orn Monatsber 12: 7.

Holotype: Coll. Kl. 169, male, Touggourt, Algeria, 16.04.1903, leg. Flückiger.

Paratype: Coll. Kl. 170, male, Oasis Touggourt, 16.04.1903, leg. Flückiger.

Bonn zoological Bulletin 59: 29–77

Description based on larger series, one paratype in the SNS, Dresden (Eck & Quaisser 2004). According to Meise (1936) the status of the taxon as a stabilized hybrid population of *Passer domesticus* x *Passer hispanoliensis*. Not in Dickinson (2003).

Passer italiae schiebeli Rokitsansky, 1934
Falco 30: 7.

Holotype: ZFMK 57.765, male, Canaea, Crete, 11.04.1925, leg. Schiebel.

Paratypes: ZFMK 57.774, male, Canaea, Crete, 26.04.1925, “Cotype I”; ZFMK 57.800, male, Suda, Crete, 27.04.1925, “Cotype II”, all leg. Schiebel.

Rokitsansky described the taxon from a large series of fifty males and twenty females in the collection of the ZFMK. The paratypes are labelled as cotypes. – Dickinson (2003): *Passer domesticus domesticus* (Linnaeus, 1758); (but see Schifter & van den Elzen 1986, Stephan 2000).

Passer griseus laeneni Niethammer, 1955
Bonn zool Beitr 6: 75.

Holotype: ZFMK 54.331, male, Bol, E bank of Lake Chad, 01.04.1954, leg. Laenen.

Paralectotypes: ZFMK 54.332, female, Bol, 28.03.1954; ZFMK 54.466–54.467, female, male, 8. and 15. 04.1954; ZFMK 54.1243, male, Archei/ Ennedi, Chad, 05.04.1954 and ZFMK 80.326–80.328, 3 male, Fada/ Ennedi, 19. and 20.04.1954, leg. Laenen.

Described from a series of eleven males and seven females. Only the holotype was designated in the original description. Paralectotypes designated by Rheinwald & van den Elzen (1984). Whereabouts of other specimens are unknown. – Dickinson (2003): *Passer griseus laeneni*.

Petronia petronia balearica Jordans, 1923
Falco 19, Sonderheft: 4.

Holotype: ZFMK I.II.4.a⁶.θ., male, Lluch, Majorca, 21.04.1921, leg. A. von Jordans, No 3040.

Paralectotypes: ZFMK I.II.4.a⁶.α., female, Santany, 05.05.1913; ZFMK I.II.4.a⁶.β., female, Valldemosa, 30.04.1921; ZFMK I.II.4.a⁶.γ., female, Lluch, Majorca, 22.04.1921; ZFMK I.II.4.a⁶.ε., male, Artá, 04.04.1921; ZFMK I.II.4.a⁶.ζ., male, Lluch, Majorca, 22.04.1921; η., female, Valldemosa, 02.05.1921; ZFMK I.II.4.a⁶.κ., male, Valldemosa, 29.04.1921, all leg. V. Jordans.

©ZFMK

Described from a series of ten specimens; only holotype designated in original description, paralectotypes designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Petronia petronia petronia* (Linnaeus, 1766).

PLOCEIDAE

Malimbus ballmanni Wolters, 1974
Bonn zool Beitr 25: 290.

Holotype: ZFMK 72.799, o, NW of Tai, between Cavalry River and Keibli, SW Ivory Coast, 1972, leg. Ballmann.

The only specimen; further sightings in Sierra Leone, Guinea and Liberia; synonym is *Ploceus (Malimbus) goloensis* Field, 1979 (Malimbus 1: 2). Figured in Rheinwald & van den Elzen (1984: 113). – Dickinson (2003): *Malimbus ballmanni*.

ESTRILDIDAE

Estrilda nonnula eisentrauti Wolters, 1964
J Ornithol 105: 355.

Holotype: ZFMK 61.1407, male, Camp VI, Isobi, Cameroon Mountains, Cameroon, 10.03.1958, leg. Eisentraut No 886.

Paralectotypes: ZFMK 61.1398, female, Isobi, 05.02.1958; ZFMK 61.1400, female, Buea, 01.01.1958; ZFMK 61.1411, male, Camp II, Cameroon Mountains, 26.11.1958, leg. Eisentraut.

Described from a large series of thirty-four specimens; in the original description only the holotype is specified; paralectotypes designated by Rheinwald & van den Elzen (1984); the other specimens are presumably housed at the SNMS, Stuttgart. – Dickinson (2003): *Estrilda nonnula eisentrauti*.

Hypargos niveoguttatus baddeleyi Wolters, 1972
Bonn zool Beitr 23: 89.

Holotype: ZFMK 68.1297, female, Nacala, N Mozambique, 12. 1967, leg. Baddeley.

Paratypes: ZFMK 68.1294–68.1296, 3 males, Nacala, 12. 1967, leg. Baddeley.

Described from eight males and two females (incl. type specimen); only the Nacala specimens are housed at the ZFMK, the Mikinandi specimens may be stored in the DMD, Durban. – Dickinson (2003): *Hypargos niveoguttatus macropsilotus* Mearns, 1913.

Amandava subflava niethammeri Wolters, 1969
Bonn zool Beitr 20: 66.

Holotype: ZFMK 66.618, male, Sá da Bandeira, Huila, Angola, 20.03.1966, leg. Ferreira.

Paralectotype: ZFMK 66.619, female, Sá da Bandeira, 20.03.1966, leg. Ferreira.

Described from a larger series with material from several museum collections; only holotype designated in original description; paralectotype designated by Rheinwald & van den Elzen (1984), information taken from handwritten label in ZFMK collection and inventory. – Dickinson (2003): *Amandava subflava niethammeri*.

VIDUIDAE

Hypochoera lorenzi Nicolai, 1972
J Ornithol 113: 236.

Holotype: ZFMK 79.997, female, Emene near Enugu, E Nigeria, 26.11.1971; in captivity at the Max-Planck-Institute for Behavioral Physiology, Seewiesen, until 19.04.1974, leg. Nicolai.

Described from only this specimen. – Dickinson (2003): *Hypochoera wilsoni* (E. Hartert, 1901).

PRUNELLIDAE

Prunella modularis interposita Clancey, 1943
Bull Brit Orn Cl 64: 14.

Paralectotypes: ZFMK 50.7–50.8, 2 females, Dornoch, Sutherlandshire, Scotland, 02.09.1938 and 22.06.1942.

Described from fifteen specimens, only holotype designated in the original description; housed in Coll. Clancey, RSM, Edinburgh, t.t. as paratypes. The paralectotypes were designated by Rheinwald & van den Elzen (1984) from handwritten information on label and ZFMK inventory. – Dickinson (2003): *Prunella modularis hebridium* Meinertzhagen, 1934.

MOTACILLIDAE***Motacilla flava raddei*** Härms, 1909

Orn Monatsber 17: 2.

Holotype: ZFMK H.IV.1^b.b¹².γ., male, Aschabad, Trans-Caspia, 15.05. (= 28.05. Gregorian Calendar), no year, leg. Tancre, ex. Coll. Härms.

Paralectotypes: ZFMK H.IV.1^b.b¹².α., β., δ., 3 males, Aschabad and Sarepta, S Russia, 04., 05., no year, per Tancre's collector.

Described from a series, but only the type was defined and designated in the original description. Paralectotypes designated by Rheinwald & van den Elzen (1984), information taken from Jordans (1923: 15) and the inventory of the ZFMK bird collection. – Dickinson (2003): *Motacilla flava feldegg* Michahelles, 1830.

Motacilla alba arduenna Kleinschmidt, 1916

Falco 12: 14.

Lectotypes: Coll. Kl. 1775, male, La Tourauderie, Ardenes, France, 07.03.1916; Coll. Kl. 1776, male, La Tourauderie, 07.03.1916; Coll. Kl. 1777, male, La Tourauderie, 03.03.1916, all leg. Bacmeister.

No types were designated in the short original description; series designated as lectotypes by Kleinschmidt in his Catalogue (1935–1943: 43). – Dickinson (2003): *Motacilla alba alba* Linnaeus, 1758.

Anthus Arboreus schlüteri Kleinschmidt, 1920

Falco 16: 16.

Syntypes: Coll. Kl. 1650–1651, male, female, Naryn, Turkestan, 20.04.1906, Tienschan, 12.05.1908, leg. Schlüter.

No further material existed. – Dickinson (2003): *Anthus trivialis trivialis* (Linnaeus, 1758).

Anthus trivialis salomonseni Clancey, 1950

Dansk Orn Foren Tidsskrift 44: 43.

Paralectotypes: ZFMK 50.281 and 50.282, 2 males, Burnley, Lancashire, SW Scotland, 08. and 15.06.1946, leg. Clancey.

Described from a large series of forty-five specimens from the breeding season; type specimen in the Coll. Clancey, RSME, Edinburgh, t.t. Carmunnock, Lanarkshire. Paralectotypes designated by Rheinwald & van den Elzen (1984). Information on status derived from ZFMK inventory. – Dickinson (2003): *Anthus trivialis trivialis* (Linnaeus, 1758).

Anthus spinoletta hesperianus Clancey, 1942

Bull Brit Orn Cl 62: 57.

Paralectotypes: ZFMK 50.72–50.75, 4 males, Blackwaterfoot, Arran, W Scotland, 15. and 16.08.1940, leg. Clancey.

In the original description only the holotype was designated, no information is given on further material: paralectotypes designated by Rheinwald & van den Elzen (1984), information derived from ZFMK inventory. Type specimen in the Coll. Clancey, RSME, Edinburgh. – Dickinson (2003): *Anthus spinoletta spinoletta* Linnaeus, 1758.

Anthus pratensis whistleri Clancey, 1942

Bull Brit Orn Cl 63: 6.

Paralectotype: ZFMK 50.78, female, Dornoch, Sutherland, N Scotland, 05.09.1938, leg. Clancey.

In the original description only the holotype was designated, no information is given on further material: paralectotypes designated by Rheinwald & van den Elzen (1984), information derived from ZFMK inventory. Three further specimens are registered in the inventory, but not defined as paratypes. Type specimen in Coll. Clancey, RSME, Edinburgh. – Dickinson (2003): *Anthus pratensis whistleri*.

Anthus richardi grotei Niethammer, 1957

J Ornithol 98: 449–450.

Holotype: ZFMK 57.8, male, Onguma, Etosha, Namibia, 18.09.1956, leg. Hoesch No 2682.

Paratypes: ZFMK 57.9 to 57.11, 3 males, Onguma, all 17.09.1956, leg. Hoesch.

Type specimen erroneously indicated as ZFMK 57.7 in the original description. – Dickinson (2003): *Anthus cinnamomeus grotei*.

FRINGILLIDAE

Fringilla coerulescens Koenig, 1889
J Ornithol 37: 183.

Syntypes: ZFMK I.II.1.c². α. and β., 2 males, Palma, Canary Islands, 29.03.1889, leg. Koenig.

No types designated in original description; only two specimens with appropriate data registered in ZFMK collection. – Dickinson (2003): *Fringilla coelebs palmae* Tristram, 1889, because the name is preoccupied by *Fringilla coerulescens* Vieillot, 1817 (= *Estrilda caerulescens*).

Fringilla tintillon madeirensis Koenig, 1890
J Ornithol 38: 271.

Syntypes: ZFMK I.II.1.c.ζ. and η., male, female, Camacho, San Antonio da Serra, Madeira, 23.12.1888, leg. Koenig.

Described from these two specimens. – Dickinson (2003): *Fringilla coelebs maderensis* Sharpe, 1888.

Fringilla coelebs balearica Jordans, 1923
Falco 19, Sonderheft: 4.

Holotype: ZFMK I.II.1.a.ε., male, Lluch, Majorca, 25.03.1913, leg. A. von Jordans No 818.

Paralectotypes: ZFMK I.II.1.a.α.–γ., ζ.–ω., αα.–εε., 20 males, 6 females, Lluch, Valldemosa, Artá, Esporlas, Albufera, Majorca, 03., 05.1913, 03., 05.1921, leg. A. von Jordans.

Originally thirty-nine specimens collected and subspecies described from this series; twenty-nine specimens are registered in the ZFMK inventory, two exchanged. Only type specimen designated by author, paralectotypes designated by Rheinwald & van den Elzen (1984) from information in ZFMK inventory. – Dickinson (2003): *Fringilla coelebs balearica*.

Fringilla coelebs schiebeli Stresemann, 1925
J Orn 58: 658.

Paratype: ZFMK 57.878, male ad., Canea, Crete, 27.03.1925, leg. Schiebel (“Cotype”).

Holotype at the MfN, Berlin (ZMB 75.55) (see Schifter & van den Elzen 1986). – Dickinson (2003): *Fringilla coelebs schiebeli*.

Bonn zoological Bulletin 59: 29–77

Fringilla caelebs gengleri Kleinschmidt, 1909
Falco 5: 13.

Holotype: Coll. Kl. 399, male, Hampstead, England, 22.04.1869, ex Mus. Sharpe.

Only type designated in original description and in the Catalogue (Kleinschmidt 1935–1943: 11). – Dickinson (2003): *Fringilla coelebs gengleri*.

Fringilla montifringilla subcuneolata Kleinschmidt, 1909
Falco 5: 14.

Holotype: Coll. Kl. 348, male, without location data, Japan, without date, leg. Kobe.

Paratypes: Coll. Kl. 349–351, as above.

All come from their winter quarters. – Dickinson (2003): *Fringilla montifringilla* Linnaeus, 1758.

Pyrrhula hauseri Kleinschmidt, 1920
Falco 17: 4.

Holotype: Coll. Kl. 862, male, Näfels, canton Glarus, Switzerland, 04.01.1899, leg. Hauser.

The taxon was obviously described from one single specimen only. – Dickinson (2003) presumably: *Pyrrhula pyrrhula europaea* Vieillot, 1816.

Pyrrhula pyrrhula wardlawi Clancey, 1947
Bull Brit Orn Cl 67: 76.

Paralectotype: ZFMK 50.100, male, Perthshire, Scotland, 14.06.1946, leg. Plowden-Wardlaw.

Holotype in Coll. Clancey, RSME, Edinburgh; t. t. Kinloch Rannoch, Perthshire, 02.06.1946.

Described from a series of fourteen males, ten females and two juveniles. Only type designated in original description, paralectotype designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Pyrrhula pyrrhula pileata* W. MacGillivray, 1837.

Pyrrhula pyrrhula paphlagoniae Roselaar, 1995
Songbirds of Turkey, Pica Press: 24–25.

Holotype: ZFMK 39.177, male, Karadere near Bolu, Black Sea Coastlands, Turkey, 25.09.1934, leg. H. Rössner.

A series of nine specimens was considered. The type specimen is illustrated in Kirwan (2006: plates 7–8). – Dickinson (2003): *Pyrrhula pyrrhula paphlagoniae*.

Chloris sinica tschiliensis Jacobi, 1923
Abhandl Ber Mus Tierk Dresden 16: 25.

Syntype: Coll. Kl. 506, female juv., Beijing, China, 26.06.1916, leg. Weigold, per Stötzner.

The subspecies was described from a series of six males, five females and the juvenile. The whereabouts of the other specimens are unknown, other syntypes apparently not in the SNS, Dresden, as given in Rheinwald & van den Elzen (1984), see Eck & Quaisser (2004).

Chloris chloris mallorcae Jordans, 1923
Falco 19, Sonderheft: 3.

Holotype: ZFMK I.II.10.a⁵.o., male, Alcudia, Majorca, 14.05.1921, leg. A. von Jordans No. 3113.

Paralectotypes: ZFMK I.II.10.a⁵.a.–η., ι.–ξ., π.–υ., and χ., 15 males, 4 females, Santany, Alcudia, Artá, Esporlas, Andraitx, Valldemosa, Majorca, Cabrera, Balearic Islands, 03.–05.1913, 05., 06. 1921, leg. A. von Jordans.

Described from a large series of twenty-seven males and five females; only the holotype was designated in the original description, paralectotypes designated by Rheinwald & van den Elzen (1984). Only twenty-two specimens (including the holotype) are found in the ZFMK collection, two further were exchanged with the MfN, Berlin and the AMNH, New York. The whereabouts of the remaining specimens are unknown. – Dickinson (2003) presumably: *Carduelis chloris aurantiiventris* (Cabanis, 1851),

Chloris chloris harrisoni Clancey, 1940
Ibis Ser. XIV, 3: 92.

Paralectotype: ZFMK 50.90, male, Renfrewshire, Scotland, 12.12.1937, leg. Clancey.

Holotype in Coll. Clancey, RSME, Edinburgh; Thorntonhall, Lanarkshire, Scotland, 03.11.1937.

Bonn zoological Bulletin 59: 29–77

Described from a series of eighteen specimens; only the holotype was designated by the author, paralectotype designated by Rheinwald & van den Elzen (1984), information from ZFMK inventory and handwriting on label. – Dickinson (2003): *Carduelis chloris harrisoni*.

Chloris chloris restricta Clancey, 1943
Bull Brit Orn Cl 63: 65.

Paralectotype: ZFMK 50.93, male, Wiltshire, England, 12.12.1942, leg. Clancey.

Described from a series of thirty specimens, only holotype designated in the original description; paralectotype designated by Rheinwald & van den Elzen (1984), information taken from inventory. Type specimen in Coll. Clancey, RSME, Edinburgh. – Dickinson (2003): *Carduelis chloris harrisoni* (Clancey, 1940).

Chloris chloris meridionalis Härms, 1910
Orn Monatsber 18: 121.

Syntypes: ZFMK I.II.10.a.ξξ., female, Colentina, Romania, 18.03.1904; ZFMK I.II.10.a.oo., male, Colentina, 18.03.1904; ZFMK I.II.10.a.ππ., female, Fundeni, 05.03.1905; ZFMK I.II.10.a.ςς., male, Colentina, 01.03.1906; ZFMK I.II.10.a.σσ., male, Pantelimon, 13.02.1907, Coll. Härms No 1218–1222, Coll. A. von Jordans No 1843–47. – Dickinson (2003): *Carduelis chloris muehlei* Parrot, 1905.

Carduelis rhenanus Kleinschmidt, 1936
Katalog meiner ornithologischen Sammlung: 14.

Holotype: Coll.Kl. 514, o, Kornsand/ Rhine, Germany, 03.05. 887.

Paratype: Coll. Erlanger 743, female, Rheinhessen, N of Ingelheim, 15.05.1899.

Paratype probably at the SNS, Frankfurt/Main. – Dickinson (2003): *Carduelis carduelis carduelis* (Linnaeus, 1758).

Carduelis carduelis schiebeli Jordans & Steinbacher, 1943
Senckenbergiana 26: 75.

Holotype: ZFMK 46.22, female, Suda Bay near Kanea, Crete, 15.03.1925, leg. Schiebel.

Paralectotypes: ZFMK 57.1027–57.1033, 5 males, 2 females, Suda Bay, Topelia, lake of Kurna, 02. and 04.1925, all leg. Schiebel.

Described from a series of five males and three females; only holotype defined by the authors. The paralectotypes were designated by Rheinwald & van den Elzen (1984). – (Dickinson 2003): *Carduelis carduelis balcanica* Sachtleben, 1919.

Carduelis carduelis propeparva Jordans, 1923
Falco 19, Sonderheft: 4.

Holotype: ZFMK I.II.14.a⁸.σ., male, Valldemosa, Majorca, 03.05.1921, leg. A. von Jordans No 3189.

Paralectotypes: ZFMK I.II.14.a⁸.α.–δ., ζ.–χ., ο., π., τ.–ω., αα. and ββ., 10 males, 10 females, Valldemosa, Lluch, Esporlas, Santany, Alcudia, Cap de Pinar, Albufera, Palma, 03.–05.1913 and 03.–05.1921, leg. A. von Jordans.

The subspecies was described from a large series of forty-four specimens. In the original description only the holotype was designated. Paralectotypes were designated by Rheinwald & van den Elzen (1984) based upon twenty-six specimens registered in the inventory of the ZFMK bird collection; five specimens exchanged with the AMNH, New York and Mayaud. – Dickinson (2003): *Carduelis carduelis parva* Tschusi, 1901.

Loxia Flavivrostris parallelicolor Kleinschmidt, 1921
Berajah, Loxia Flavivrostris: 1.

Lectotype: Coll. Kl. 730, male, Harwich, England, 21.01.1881, leg. Burton.

Paralectotype: Coll. Kl. 731, male, Rottingdean, Sussex, England, 10.11.1896, leg. Brazenor Bros.

No types designated in the original description, designated subsequently by Kleinschmidt in his Catalogue (Kleinschmidt 1935–1943: 19). – Dickinson (2003): *Carduelis flavivrostris pipilans* (Latham, 1787).

Acanthis flavivrostris miniakensis Jacobi, 1923
Abhandl Ber Zool Mus Dresden 16: 25.

Syntype: Coll. Kl. 733, male, Tschuwo, Bameh, Szechwan, 11.11.1915, leg. Weigold per Stötzner No XII.235.

Described from a series of seven males, one male (misspelling for female?) and two pulli. Further syntypes at

the SNS, Dresden, (see Eck & Quaißer, 2004). – Dickinson (2003): *Carduelis flavivrostris miniakensis*.

Acanthis cannabina autochthona Clancey, 1946
Bull Brit Orn Cl 66: 84.

Paralectotypes: ZFMK 50.86–50.87, 2 males, Lanarkshire, SW Scotland, 09.11.1935; 13.03.1937.

Described from a series of five males, two females and two juveniles; only holotype designated by the author; paralectotypes designated by Rheinwald & van den Elzen (1984) from information in inventory and handwritten label. Holotype (and other specimens?) in the Clancey Coll., RSME, Edinburgh. – Dickinson (2003): *Carduelis cannabina autochthona*.

Acanthis cannabina obscura Jordans, 1923
Orn Monatsber 31: 13.

Paralectotype: ZFMK I.II.16.a⁵.α., female, Oporto, Portugal, 15.03.1913, leg. Weigold.

Described from a series of three specimens; only the holotype was designated in the original description. Paralectotype designated by Rheinwald & van den Elzen (1984), as specimen was labelled as “Cotype”. Type and third specimen at the MfN, Berlin. – Dickinson (2003): *Carduelis cannabina cannabina* (Linnaeus, 1758).

Carduelis deichleri Kleinschmidt, 1936
Katalog meiner ornithologischen Sammlung: 17.

Lectotypes: Coll. Kl. 632–634, 3 males, Holley, New York, 30.03., 04. and 11.04.1888, leg. Craven No 41–43.

In the very short description no types are designated, not defined as types in the Catalogue (Kleinschmidt 1935–1943), but only these two specimens are registered. Lectotypes designated by Rheinwald & van den Elzen (1984). – Dickinson (2003): *Carduelis flammea flammea* (Linnaeus, 1758).

Citrinella corsicana Koenig, 1899
Orn Monatsber 7: 120.

Lectotypes: ZFMK I.II.12.a¹.γ., female, Bocognano, Corsica, 01.04.1896; ZFMK I.II.12.a¹.δ., female, Bocognano, Corsica, 04.04.1896; ZFMK I.II.12.a¹.ε., male, Bocognano, Corsica, 06.04.1896, all leg. Koenig.

Described from six specimens, but no type specimen designated; ZFMK I.II.12.a¹.α. and β. defined as type specimens in the inventory register, but currently untraceable; one specimen (ζ) exchanged with the AMNH, New York. – Dickinson (2003): *Serinus serinus* (Linnaeus, 1766).

Serinus estherae renatae Schuchmann & Wolters, 1982
Bull Brit Orn Cl 102: 12.

Holotype: ZFMK 81.563, ? male, Rantekombola, Sulawesi, 06.08.1980, leg. Krause.

Described from this single specimen. – Dickinson (2003): *Serinus estherae renatae*.

Loxia nidificans Kleinschmidt, 1919
Falco 14: 16.

Lectotypes: Coll. Kl. 1008, o, Wladikaukas, Caucasus, without date; Coll. Kl. 1009, Wladikaukas, Caucasus, without date;

Type specimens defined subsequently in Catalogue (Kleinschmidt 1935–1943: 23). – Dickinson (2003): *Loxia curvirostra guillemardi*, Madarász, 1903.

EMBERIZIDAE

Emberiza citrinella caliginosa Clancey, 1940
Ibis 14: 94.

Paralectotype: ZFMK 50.106, male, Sutherlandshire, shotland, 30.08.1938, leg. Clancey.

Holotype in the Coll. Clancey, RSME, Edinburgh, Durnoch, E Sutherlandshire, 02.09.1938.

In his original description Clancey did not define material examined, only the holotype was designated. Paralectotype designated by Rheinwald & van den Elzen (1984) from information on ZFMK inventory. – Dickinson (2003): *Emberiza citrinella caliginosa*.

Emberiza cirrus nigrostriata Schiebel, 1910
Orn Jahrb 21: 103.

Syntypes: ZFMK 57.1300 and 57.1298, 2 males, Ghisonaccia, Corsica, 15. and 16.04.1910, leg. Schiebel.

Apparently no further material existed (see also Schifter & van den Elzen 1986). – Dickinson (2003): *Emberiza cirrus* Linnaeus, 1766.

Fringillaria capensis cloosi Hoesch & Niethammer, 1940
J Ornithol 88, Sonderheft: 335.

Holotype: ZFMK 39.514, male, Brandberg, Namibia, 14.09.1938, leg. Niethammer No 88.

Paratypes: ZFMK 39.513 and 39.515, male, female, Brandberg, 13. and 12.09.1938, leg. Niethammer.

Described from four specimens, one lost. – Dickinson (2003): *Emberiza capensis bradfieldi* (Roberts, 1928).

Emberiza cia africana le Roi, 1911
Orn Monatsber 19: 79.

Holotype: ZFMK I.I.3.r⁴.α., male, Lambessa, Algeria, 13.06.1903, leg. Flükiger.

Described from thirteen specimens with no specifications, only the holotype was designated in the original description. Of the original material, probably only the holotype still exists. – Dickinson (2003): *Emberiza cia* Linnaeus, 1766.

Emberiza cia flemingorum Martens, 1972
Bonn zool Beitr 23: 116.

Holotype: ZFMK 71.809, female, Barbung Khola, Tarang, Nepal, 14.06.1970, leg. Martens, No 585.

Paratypes: ZFMK 71.810, male, Dhorpatan, 03.05.1970; ZFMK 71.811, male, Gompa near Tarakot, 13.05.1970; ZFMK 71.812, male, Ringmo at Lake Phoksumdo, 29.05.1970; ZFMK 71.813, male, Ringmo at Lake Phoksumdo, 29.05.1970; ZFMK 71.814, male, Ringmo at Lake Phoksumdo, 03.06.1970; ZFMK 71.815, female, Gompa near Tarakot, 13.05.1970; ZFMK 71.816, female, Ringmo at Lake Phoksumdo, 24.05.1970; ZFMK 71.817, female, Barbung Khola, Tarang, Nepal, 14.06.1970, all leg. Martens Nos 577–584. – Dickinson (2003): *Emberiza cia flemingorum*.

Emberiza tschusii witherbyi Jordans, 1923
Falco 19, Sonderheft: 4.

Holotype: ZFMK I.I.4.bb³.v., male, Albufera, Majorca, 13.06.1921, leg. A. von Jordans No 3140.

Paralectotypes: ZFMK I.I.4.bb³.α., male juv., Albufera, 10.06.1921; ZFMK I.I.4.bb³.β., male juv., Albufera, 13.06.1921; ZFMK I.I.4.bb³.γ., female juv., Albufera, 10.06.1921; ZFMK I.I.4.bb³.δ., female, Albufera, 18.06.1921; ZFMK I.I.4.bb³.ε., female, Albufera, 13.06.1921; ZFMK I.I.4.bb³.ζ., female juv., Albufera, 01.06.1921; ZFMK I.I.4.bb³.η., female, Albufera, 13.06.1921; ZFMK I.I.4.bb³.θ., male, Albufera, 10.06.1921; ZFMK I.I.4.bb³.ι., male, Albufera, 18.05.1921; ZFMK I.I.4.bb³.κ., male, Albufera, 10.06.1921; ZFMK I.I.4.bb³.λ., male, Albufera, 10.06.1921; ZFMK I.I.4.bb³.μ., male, Albufera, 10.06.1921; ZFMK I.I.4.bb³.ξ., male, Albufera, 13.06.1921; ZFMK I.I.4.bb³.ο., male, Albufera, 10.06.1921; ZFMK I.I.4.bb³.π., male, Albufera, 13.06.1921; ZFMK I.I.4.bb³.ρ., male, Albufera, 10.06.1921, all leg. A. von Jordans.

Described from a series of seventeen specimens, two are missing in the ZFMK collection. In the original description only the holotype was designated by v. Jordans; paralectotypes designated by Rheinwald & van den Elzen (1984) from topotypical material. – Dickinson (2003): *Emberiza schoeniclus witherbyi*.

Emberiza schoeniclus zarudnyi Härms, 1909
Orn Monatsber 17: 1.

Holotype: ZFMK I.I.4.bb⁷.a., Kuldsha at Ili-River, Turkestan, 01.05. without year, Tancre's collector, Coll. Härms No 504, Coll. A. von Jordans No 1364.

Type designated in original description, but no collection number provided; information on type status taken from Jordans (1923: 9) and handwritten label. Jordans mentions a second specimen, which may be a para(lecto)type. – Dickinson (2003): *Emberiza schoeniclus pyrrhuloides* Pallas, 1811.

Zonotrichia capensis illescasensis Koepcke, 1963
Beitr neotrop Fauna 3: 6.

Paratype: ZFMK 64.3809, female, N Revantazón at Cerro Illescas, N Peru, 20.07.1958, leg. Koepcke No 1568 a.

Holotype at the MNH Javier Prado, Lima, Orn. 1156 (Kp 1568 b), other paratypes at the AMNH, New York and CNHM, Chicago.

Bonn zoological Bulletin 59: 29–77

Described from a series of three males and three females. – Dickinson (2003): *Zonotrichia capensis illescasensis*.

Phrygilus alaudinus humboldti Koepcke, 1963
Beitr neotrop Fauna 3: 11.

Paratype: ZFMK 64.3808, male, Quebrada Avip at Cerro Illescas, N Peru, 23.V07.1958, leg. Koepcke No 1572 b.

Holotype at the MHN Javier Prado, Lima, Orn. 1162 (Kp 1575 d), other paratypes in MHN, Lima, CNHM, Chicago and AMNH, New York.

Described from a series of six males and six females. – Dickinson (2003): *Phrygilus alaudinus humboldti*.

Sporophila obscura pacifica Koepcke, 1963
Beitr neotrop Fauna 3: 3.

Paratype: ZFMK 56.1055, male, Atiquipa near Chala, (coast in S Peru), 5.I.1956, leg. Koepcke No 1332 a.

Holotype at the MHN Javier Prado, Lima, Orn 1159 (Kp 1789 n), other paratypes in the collections of MHN and AMNH, New York.

Described from a series of four males and one juvenile specimen. – Dickinson (2003): *Tiaris obscurus pacificus* (Koepcke, 1963).

Acknowledgements. My thanks go to Carlos Sanchez-Osés for lending me a helping hand with type material and to Stefanie Rick for translating the German text and for patient proof reading.

REFERENCES

- Dickinson EC (2003) The Howard and Moore complete checklist of the birds of the world. 3rd edition, Christopher Helm, London
- Dickinson EC, Loskot VM, Morioka H, Somadikarta S, Elzen R van den (2006) Systematic notes on Asian birds. 50. Types of the Aegithalidae, Remizidae and Paridae. Zoologische Mededelingen Leiden 80: 65–111
- Eck S (1970) Von O. Kleinschmidt benannte oder mitbenannte geographische Tier- und Menschenformen. Zoologische Abhandlungen, Staatliches Museum für Tierkunde Dresden 31: 63–84
- Eck S, Quaisser C (2004) Verzeichnis der Typen der Vogelsammlung des Museums für Tierkunde in den Staatlichen Naturhistorischen Sammlungen Dresden. Zoologische Abhandlungen (Dresden) 54: 233–316

- Elzen R van den (1986) Nachträge und Berichtigungen zum Typenkatalog der Ornithologischen Sammlungen im Museum A. Koenig. Bonner zoologische Beiträge 37: 209–210
- Elzen R van den, Frahnert S, Quaiser C (2005) A digital catalogue of primary type specimens in German ornithological collections – a three year project running within GBIF-Germany-Vertebrata. Zoologische Mededelingen Leiden 79: 97–105
- Haffer J (1977) Secondary contact zones of birds in Northern Iran. Bonner zoologische Monographien 10
- Hartert E (1910) Die Vögel der paläarktischen Fauna: systematische Übersicht der in Europa, Nord-Asien und der Mittelmeerregion vorkommenden Vögel. Volume 1. Friedländer, Berlin
- Hartert E (1912) (published 1921). Die Vögel der paläarktischen Fauna: systematische Übersicht der in Europa, Nord-Asien und der Mittelmeerregion vorkommenden Vögel. Volume 2. Friedländer, Berlin
- Hartert E (1921) (published 1922). Die Vögel der paläarktischen Fauna: systematische Übersicht der in Europa, Nord-Asien und der Mittelmeerregion vorkommenden Vögel. Volume 3. Friedländer, Berlin
- Hartert E (1923) Die Vögel der paläarktischen Fauna: systematische Übersicht der in Europa, Nord-Asien und der Mittelmeerregion vorkommenden Vögel. Nachtrag. Friedländer, Berlin
- Hartert E (1932) (published 1938). Die Vögel der paläarktischen Fauna: systematische Übersicht der in Europa, Nord-Asien und der Mittelmeerregion vorkommenden Vögel. Ergänzungen. Friedländer, Berlin
- Hartert E, Kleinschmidt O (1901) Verzeichnis der Brehm'schen Sammlung. I. Die Formen von *Corvus corax*. Novitates zoologicae 8: 40–48
- ICZN (1999) International Code of Zoological Nomenclature. 4th edition. International Trust for Zoological Nomenclature, London
- Jordans A von (1923) Über seltenere und über fragliche Vogelarten meiner Sammlung. Falco 19, Sonderheft: 8–26
- Kirwan GM (2006) Comments on two subspecies of passerine birds recently described from Turkey, *Eremophila alpestris kumeroevei* and *Pyrrhula pyrrhula paphlagoniae*, with remarks on geographical variation in related forms of Bullfinch from the Balkans and Caucasus. Sandgrouse 28: 12–23
- Kleinschmidt O (1935–1943) Katalog meiner ornithologischen Sammlung. Gebauer-Schwetschke A.G., Halle a. d. Saale
- Martens J (1993) Lautäußerungen von Singvögeln und die Entstehung neuer Arten. Forsch.magazin Joh. Gutenberg -Univ. Mainz 9: 34–44
- Martens J, Eck S (1995) Towards an ornithology of the Himalayas: Systematics, Ecology and Vocalizations of Nepal Birds. Bonner zoologische Monographien 38: 445 pp
- Mayr E, Cottrell GW (1979) Peters' Check-list of Birds of the World. Volume 1 (2nd edition). Cambridge, Massachusetts
- Mayr E, Cottrell GW (1986) Peters' Check-list of Birds of the World. Volume 11. Cambridge, Massachusetts
- Mayr E, Greenway JC Jr (1960) Peters' Check-list of Birds of the World. Volume 9. Cambridge, Massachusetts
- Mayr E, Greenway JC Jr (1962) Peters' Check-list of Birds of the World. Volume 15. Cambridge, Massachusetts
- Mayr E, Greenway JC Jr (1964) Peters' Check-list of Birds of the World. Volume 10. Cambridge, Massachusetts
- Mlikovský J (2007) Type specimens and type localities of Rock Nuthatches of the *Sitta neumayr* species complex (Aves: Sittidae). Journal of the National Museum (Prague), Natural History Series 176: 91–115
- Paynter RA Jr. (1967) Peters' Check-list of Birds of the World. Volume 12. Cambridge, Massachusetts
- Paynter RA Jr (1968) Peters' Check-list of Birds of the World. Volume 14. Cambridge, Massachusetts
- Paynter RA Jr (1970) Peters' Check-list of Birds of the World. Volume 13. Cambridge, Massachusetts
- Peters JL (1931) Check-list of Birds of the World. Volume 1. Cambridge, Massachusetts
- Peters JL (1934) Check-list of Birds of the World. Volume 2. Cambridge, Massachusetts
- Peters JL (1937) Check-list of Birds of the World. Volume 3. Cambridge, Massachusetts
- Peters JL (1940) Check-list of Birds of the World. Volume 4. Cambridge, Massachusetts
- Peters JL (1945) Check-list of Birds of the World. Volume 5. Cambridge, Massachusetts
- Peters JL (1948) Check-list of Birds of the World. Volume 6. Cambridge, Massachusetts
- Peters JL (1951) Check-list of Birds of the World. Volume 7. Cambridge, Massachusetts
- Quaiser C, Eck S (2006) Korrekturen und Ergänzungen zum Verzeichnis der Typen der Vogelsammlungen des Museums für Tierkunde in den Staatlichen Naturhistorischen Sammlungen Dresden. Zoologische Abhandlungen, Staatliches Museum für Tierkunde, Dresden 55: 129–138
- Rheinwald G, Elzen R van den (1984) Die Wirbeltiersammlungen des Museums Alexander Koenig und ihre Typusexemplare. II. Vögel. Bonner zoologische Monographien 19
- Schifter H, Elzen R van den (1986) Die Typen der von Guido Schiebel beschriebenen und nach ihm benannten Vögel. – Annalen des Naturhistorischen Museums in Wien 88/89 B: 25–35
- Schuchmann KL (1984) Trochilidae. In: Rheinwald G, Elzen R van den (1984) Die Wirbeltiersammlungen des Museums Alexander Koenig und ihre Typusexemplare. II. Vögel. Bonner zoologische Monographien 19
- Stephan B (2000) Die Arten der Familie Passeridae (Gattungen *Montifringilla*, *Petronia*, *Passer*) und ihre phylogenetischen Beziehungen. Bonner zoologische Beiträge 49: 39–70
- Traylor MA Jr (1979) Peters' Check-list of Birds of the World. Volume 8. Cambridge, Massachusetts

