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An annotated list of the type specimens of Orthoptera (Insecta) species described by Marcello La Greca and deposited in the Muséum d'histoire naturelle de Genève

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Abstract: The collections of the Muséum d'histoire naturelle de Genève hold type specimens of 12 species and one subspecies of grasshopper described by Marcello La Greca. These species are listed alphabetically with an account of the condition of the specimens, and the current binomial combination for each is provided.

Keywords: Grasshoppers - Kurt Harz - Adolf Nadig - Italy - Morocco.

INTRODUCTION

Marcello La Greca (1914-2001), for many years a professor at the University of Catania, was an enthusiastic entomologist, biogeographer and environmentalist. He specialised in the study of the Orthoptera and Mantodea, and described 102 species or subspecies. La Greca gave his private collection, rich in types, to the Museo Civico di Storia Naturale di Milano (Baccetti & Ruffo, 2003), but also studied specimens from other collections, private and public. Type specimens of species described by La Greca came to the Muséum d'histoire naturelle de Genève (MHNG) with the collections of Kurt Harz and Adolf Nadig, in the latter case because most of the species represented were described using specimens collected by Nadig. The MHNG collections contain type specimens of 12 species and one subspecies.

In his early publications La Greca did not always designate a holotype or even give the number of specimens he had studied. In his later publications, however, he was scrupulous about designating a holotype and cautious in designating paratypes. Generally, only specimens from the same locality as the holotype are thus denoted even when he had examined far more while preparing the description.

ARRANGEMENT AND FORMAT

The species and subspecies names are arranged in alphabetic order. The format follows Hollier (2019). Nomenclature follows Cigliano *et al.*, 2023.

CATALOGUE

acuminata acuminata La Greca, 1969: 553-554 [*Cophopodisma*].

Parco Nazionale d'Abruzzo (Monti fra la strada per Scanno e la strada per Roccaraso), de Toppe del Tesoro a Monte Greco (1900-2100 m). Unspecified series [although a holotype is mentioned in the text its sex is not stated and no specimen is designated. The type specimens are therefore considered syntypes].

The MHNG collection contains one ♂ syntype and one ♀ syntype. A ♂ specimen (MHNG-ARTO-0034645) with labels: "Parco Naz. d'Abruzzo" [printed on white card]; "M. Greco (Roccaraso) m2000, 3-8-66 La Greca leg." [printed on white card]; "Cophopodisma a. acuminata LA GRECA det. LA GRECA" [handwritten by Harz on white card]; "Paratypus" [handwritten by Harz on red card]. The right antenna and the claws of the left hind leg are missing. A micro-tube with dissected genitalia is secured through the stopper on the original pin.

A ♀ specimen (MHNG-ARTO-0034646) with labels: "Parco Naz. d'Abruzzo" [printed on white card]; "M. Greco (Roccaraso) m2000, 3-8-66 La Greca leg." [printed on white card]; "Cophopodisma acuminata La Gr. (paratipo) LA GRECA DET." [handwritten by La Greca on white card, with "LA GRECA DET." printed]; "Paratypus" [handwritten by Harz on red card]. The left hind leg is missing. Box Harz 55.

Italopodisma acuminata acuminata (La Greca, 1969)

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acuminata marsicana La Greca, 1969: 554 [*Cophopodisma*].

Parco Nazionale d'Abruzzo (Monti fra la strada per Scanno e quella per Pescasseroli), Mt Palumbo (m 1900-2000). Unspecified series [no holotype designated].

The MHNG collection contains one ♂ syntype and one ♀ syntype. A ♂ specimen (MHNG-ARTO-0034647) with labels: "Parco Naz. d'Abruzzo" [printed on white card]; "M. Palumbo (Pescasseroli) m1900, 10-8-66 La Greca leg." [printed on white card]; "Cophopodisma acum. marsicana La Gr. LA GRECA DET." [handwritten by La Greca on white card, with "LA GRECA DET." printed]; "Paratypus" [handwritten by Harz on red card]. Two tarsal segments of the right middle leg and the tibia and tarsi of the left hind leg are lost. A micro-tube with dissected genitalia is secured through the stopper on the original pin.

A ♀ specimen (MHNG-ARTO-0034648) with labels: "Parco Naz. d'Abruzzo" [printed on white card]; "M. Palumbo (Pescasseroli) m1900, 10-8-66 La Greca leg." [printed on white card]; "Cophopodisma acum. marsicana La Gr. LA GRECA DET." [handwritten by La Greca on white card, with "LA GRECA DET." printed]; "Paratypus" [handwritten by Harz on red card]. The right hind leg is missing. Box Harz 55.

Italopodisma acuminata marsicana (La Greca, 1969)

atlasicus La Greca, 1993: 348-351 [*Euryparyphes*].

Alto Atlante orientale; J. Ayachi, Tizi-n-Tirecht (m 2900-3390) (68:61), 14.7.68, Nadig leg. ♂ holotype, two ♂ paratypes and three ♀ paratypes.

The MHNG collection contains the ♂ holotype, one ♂ paratype and two ♀ paratypes. A ♂ specimen (MHNG-ARTO-0034634) with labels: "Maroc 68 MA68: 61, J. Ayachi, Tizi-n-Tirecht, 2900-3390m, 14.7.68 leg. Nadig" [printed on white card, with "61" and "Tizi-n-Tirecht, 2900-3390" handwritten by Nadig]; "Euryparyphes atlasicus La Gr. LA GRECA DET." [handwritten by La Greca on white card, with "LA GRECA DET." printed]; "det. LA GRECA" [typewritten on white card with a circular blue label glued on]; "OLOTIPO" [printed on red card]. The tarsi of the left front leg and the last tarsal segment of the left middle leg are lost. Dissected genitalia and the tarsi of the right hind leg are glued to a card mount on the original pin.

A ♂ specimen (MHNG-ARTO-0034635) with labels: "Maroc 68 MA68: 61, J. Ayachi, Tizi-n-Tirecht, 2900-3390m, 14.7.68, leg. Nadig" [printed on white card with, "61" and "Tizi-n-Tirecht, 2900-3390" handwritten by Nadig]; "Euryparyphes atlasicus La Gr. LA GRECA DET." [handwritten by La Greca on white card, with "LA GRECA DET." printed]; "det. LA GRECA" [typewritten on white card, with a circular blue label glued on]; "PARATIPO" [printed on red card]. The left hind leg is missing.

A ♀ specimen (MHNG-ARTO-0033636) with labels: "Maroc 68 MA68: 61, J. Ayachi, Tizi-n-Tirecht, 2900-

3390m, 14.7.68, leg. Nadig" [printed on white card, with "61" and "Tizi-n-Tirecht, 2900-3390" handwritten by Nadig]; "Euryparyphes atlasicus La Gr. LA GRECA DET." [handwritten by La Greca on white card, with "LA GRECA DET." printed]; "det. LA GRECA" [typewritten on white card, with a circular blue label glued on]; "ALLOTIPO" [printed on red card].

A ♀ specimen (MHNG-ARTO-0034637) with labels: "Maroc 68 MA68: 61, J. Ayachi, Tizi-n-Tirecht, 2900-3390m, 14.7.68, leg. Nadig" [printed on white card, with "61" and "Tizi-n-Tirecht, 2900-3390" handwritten by Nadig]; "Euryparyphes atlasicus La Gr. LA GRECA DET." [handwritten by La Greca on white card, with "LA GRECA DET." printed]; "det. LA GRECA" [typewritten on white card, with a circular blue label glued on]; "PARATIPO" [printed on red card].

Nadig labelled a long series of other specimens with the same data as the type series as paratypes, but these were not seen by La Greca and are therefore not types. Box Nadig 352.

Euryparyphes atlasicus La Greca, 1993

bolivari La Greca, 1993: 389-393 [*Paraemigus*].

Alto Atlante occidentale; Tizi-n-Tichka (2000 m) (67:16), 18.4.1967, Nadig leg. ♂ holotype, one ♂ paratype and two ♀ paratypes.

The MHNG collection contains the ♂ holotype and one ♀ paratype. A ♂ specimen (MHNG-ARTO-0034639) with labels: "MAROC 67: 16, Tizi-n-Tichka, 18.IV.67, 2000m, leg. Nadig" [handwritten by Nadig on white card, with "leg. Nadig" printed]; "Paraemigus bolivari La Gr. LA GRECA DET." [handwritten by La Greca on white card, with "LA GRECA DET." printed]; "det. LA GRECA" [typewritten on white card, with a circular blue label glued on]; "PARATIPO" [printed on red card]; "Holotypus" [printed on red card]. The tarsi of the left middle leg are missing. Dissected genitalia are glued to a card mount on the original pin, the right antenna is glued to the data label.

A ♀ specimen (MHNG-ARTO-0034640) with labels: "MAROC 67: 16, Tizi-n-Tichka, 18.IV.67, 2000m, leg. Nadig" [handwritten by Nadig on white card, with "leg. Nadig" printed]; "Paraemigus bolivari La Gr. LA GRECA DET." [handwritten by La Greca on white card, with "LA GRECA DET." printed]; "det. LA GRECA" [typewritten on white card, with a circular blue label glued on]; "ALLOTIPO" [printed on red card].

The original description states that the holotype was deposited in Nadig's collection, but the ♂ specimen in the MHNG was labelled as a paratype by La Greca, which suggests that the holotype was accidentally retained by La Greca. The two type specimens in his collection, deposited in the Museo Civico di Storia Naturale di Milano, are also labelled as paratypes however (Rigato, pers. comm.), and so it appears that the specimen in the MHNG is actually the holotype and that La Greca's paratype label was applied by mistake. Nadig labelled

a series of other specimens with the same data as the holotype as paratypes, but these were not seen by La Greca and are therefore not part of the type series. Box Nadig 356.

Paraeumigus bolivari La Greca, 1993

breviphallus La Greca, 1993: 353-355 [*Euryparyphes*]. Alto Atlante; Tizi-n-Tirrhist, Ait Bou Guémes (m 2500-2800) (68:86), 2.8.68, Nadig leg. ♂ holotype, two ♂ paratypes and three ♀ paratypes.

The MHNG collection contains the ♂ holotype, one ♂ paratype and two ♀ paratypes. A ♂ specimen (MHNG-ARTO-0033698) with labels: “Maroc 68 MA 68:86, Tizi-n-Tirrhist, Ait Bou Guémes, 2500-2600m, 2.8.68, leg. Nadig” [printed on white card, with “Tizi-n-Tirrhist” typewritten]; “*Euryparyphes breviphallus* La Gr. LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “det. LA GRECA” [typewritten on white card, with a circular blue label glued on]; “OLOTIPO” [printed on red card]. The tarsi of the left front leg are detached and glued to a card mount on the original pin along with part of the femur and tibia of the right front leg. Dissected genitalia are glued to a second card mount, also on the original pin. Part of the tibia and the tarsi of the right front leg are missing.

A ♂ specimen (MHNG-ARTO-0033699) with labels: “Maroc 68 MA 68:86, Tizi-n-Tirrhist, Ait Bou Guémes, 2500-2600m, 2.8.68, leg. Nadig” [printed on white card, with “Tizi-n-Tirrhist” typewritten]; “*Euryparyphes breviphallus* La Gr. LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “det. LA GRECA” [typewritten on white card, with a circular blue label glued on]; “PARATIPO” [printed on red card]. The left front leg and the dissected genitalia are glued to a card mount on the original pin. The left antenna and the right hind leg are missing.

A ♀ specimen (MHNG-ARTO-0033700) with labels: “Maroc 68 MA 68:86, Tizi-n-Tirrhist, Ait Bou Guémes, 2500-2600m, 2.8.68, leg. Nadig” [printed on white card, with “Tizi-n-Tirrhist” typewritten]; “*Euryparyphes breviphallus* La Gr. LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “det. LA GRECA” [typewritten on white card, with a circular blue label glued on]; “ALLOTIPO” [printed on red card].

A ♀ specimen (MHNG-ARTO-0033701) with labels: “Maroc 68 MA 68:86, Tizi-n-Tirrhist, Ait Bou Guémes, 2500-2600m, 2.8.68, leg. Nadig” [printed on white card, with “Tizi-n-Tirrhist” typewritten]; “*Euryparyphes breviphallus* La Gr. LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “det. LA GRECA” [typewritten on white card, with a circular blue label glued on]; “PARATIPO” [printed on red card]. Part of the left antenna is detached and glued to a card mount on the original pin.

Nadig labelled a long series of other specimens from the type locality as paratypes, but the type series is restricted

to the six specimens seen by La Greca. Box Nadig 352.

Euryparyphes breviphallus La Greca, 1993

bruttius Fontana & La Greca, 1999: 22-29 [*Chorthippus*]. Italia, Sila, Lago Ampollino, riva Sud, 1290 m, 21.VIII.1997, leg. P. Fontana & R. Kleukers; idem. 22.VIII.1997. ♂ holotype and 92 paratypes.

The MHNG collection contains two ♂ paratypes and one ♀ paratype. A ♂ specimen (MHNG-ARTO-0033695) with labels: “ITALIA - LA SILA, L. Ampollino - riva Sud, 1290 m 21.VIII.97 3, Leg. Fontana & Kleukers” [printed on white card]; “PARATYPUS 83, *Chorthippus bruttius* sp. n.” [printed on red card]. The specimen is set with wings folded. The tips of the wings are slightly abraded.

A ♂ specimen (MHNG-ARTO-0033696) with labels: “ITALIA - LA SILA, L. Ampollino - riva Sud, 1290 m 21.VIII.97 3, Leg. Fontana & Kleukers” [printed on white card]; “PARATYPUS 84, *Chorthippus bruttius* sp. n.” [printed on red card]. The specimen is set with wings folded.

A ♀ specimen (MHNG-ARTO-0033697) with labels: “ITALIA - LA SILA, L. Ampollino - riva Sud, 1290 m 21.VIII.97 3, Leg. Fontana & Kleukers” [printed on white card]; “PARATYPUS 85, *Chorthippus bruttius* sp. n.” [printed on red card]. The specimen is set with wings folded. The right hind leg is missing. Box Nadig 814.

Chorthippus karelini bruttius Fontana & La Greca, 1999

minutus La Greca, 1962: 116-120 [*Dociostaurus*].

Sicilia: Manfria; Marza; Porto Palo, agosto 1962. Unspecified series [no holotype designated].

The MHNG collection contains one ♂ syntype and one ♀ syntype. A ♂ specimen (MHNG-ARTO-0034649) with labels: “Manfria, dune, (Gela, Sicilia) 23-8-962, La Greca leg.” [printed on white card]; “*Dociostaurus minutus* La Gr. (paratipo) LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “Syntypus” [printed on red paper]. The specimen is card mounted. The right middle leg and the last two tarsal segments of the left hind leg are missing.

A ♀ specimen (MHNG-ARTO-003450) with labels: “Manfria, dune, (Gela, Sicilia) 23-8-962, La Greca leg.” [printed on white card]; “*Dociostaurus minutus* LA GRECA” [handwritten by La Greca on white card]; “Syntypus” [printed on red paper]. The left middle leg is missing. Box Harz 101b.

Dociostaurus minutus La Greca, 1962

mirabilis La Greca, 1993: 399-400 [*Nadigeumigus*].

Alto Atlante orientale; Tizi-n-Tirrhist, Ait Bou Guémes (2500-2600 m) (68:86), 2.8.1963 [sic], Nadig leg. ♂ holotype.

The MHNG collection contains the ♂ holotype (MHNG-ARTO-0034638) with labels: “Maroc 68 MA 68:86, Tizi-n-Tirrhist, Ait Bou Guémes, 2500-2600m, 2.8.68 leg. Nadig” [printed on white card, with “Tizi-n-Tirrhist”

typewritten]; “Präp. 1968 Nr. 77 MA68: 86, Eurypa. ? ♂ Tizi-n-Tirrhist, Hlbs.-Ende 2500-2600m” [handwritten by Nadig on white card, with “Präp. 19” and “Nr.” printed]; “*Nadigeumigus mirabilis* La Gr. LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “det. LA GRECA” [typewritten on white card, with a circular blue label glued on]; “OLOTIPO” [printed on red card]. Dissected genitalia are glued to a card mount on the original pin. Box Nadig 356.

Nadigeumigus mirabilis La Greca, 1993

nadigi La Greca, 1993: 369-374 [*Paraeumigus*].

Alto Atlante occidentale; Amizmiz (m 1000) (67:23), 24.4.1967 and 27.4.1967 [sic]. ♂ holotype and one ♀ paratype.

The MHNG collection contains the ♂ holotype and ♀ paratype. A ♂ specimen (MHNG-ARTO-0034641) with labels: “Maroc 67:23, Amizmiz, 1000m, 22.IV.67, leg. Nadig” [handwritten by Nadig on white card, with “leg. Nadig” printed]; “*Paraeumigus nadigi* La Greca LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “Det. LA GRECA” [typewritten on white paper, with a circular blue label glued on]; “OLOTIPO” [printed on red card]. Two tarsal segments of the left front leg and two tarsal segments of the right middle leg are missing. The left hind leg is detached and secured through the femur on the original pin. Dissected genitalia are glued to a card mount on the original pin.

A ♀ specimen (MHNG-ARTO-0034642) with labels: “Maroc 67:23, Amizmiz, 1000m, 22.IV.67 leg. Nadig” [handwritten by Nadig on white card, with “leg. Nadig” printed]; “*Paraeumigus nadigi* La Greca LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “Det. LA GRECA” [typewritten on white paper, with a circular blue label glued on]; “ALLOTIPO” [printed on red card]. The right antenna, the left front leg, and the last tarsal segment of both middle legs are missing. Box Nadig 355.

Paraeumigus nadigi La Greca, 1993

nigripes La Greca, 1993: 351-352 [*Euryparyphes*].

Alto Atlante orientale; Plateau-des-Lacs (m 2300-2400) (70:120), 26.-28.7.70, Nadig leg. ♂ holotype, two ♂ paratypes and two ♀ paratypes.

The MHNG collection contains the ♂ holotype, two ♂ paratypes and two ♀ paratypes. A ♂ specimen (MHNG-ARTO-0034629) with labels: “MAROC 70 MA 70:120, Haut Atlas Oriental, Plat. d. Lacs, 2300-2400m, 26.-28.7.70 leg. Nadig” [printed on white card, with “120” and “Plat. d. Lacs, 2300-2400m” handwritten by Nadig]; “*Euryparyphes nigripes* La Gr. LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “det. LA GRECA” [typewritten on white card, with a circular blue label glued on]; “OLOTIPO” [printed on red card]. The last tarsal

segment of the left hind leg is lost. Dissected genitalia are glued to a card mount on the original pin.

A ♂ specimen (MHNG-ARTO-0034630) with labels: “MAROC 70 MA 70:120, Haut Atlas Oriental, Plat. d. Lacs, 2300-2400m, 26.-28.7.70 leg. Nadig” [printed on white card, with “120” and “Plat. d. Lacs, 2300-2400m” handwritten by Nadig]; “*Euryparyphes nigripes* La Gr. LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “det. LA GRECA” [typewritten on white card, with a circular blue label glued on]; “PARATIPO” [printed on red card]. The right hind leg is detached and glued to a card mount on the original pin.

A ♂ specimen (MHNG-ARTO-0034631) with labels: “MAROC 70 MA 70:120, Haut Atlas Oriental, Plat. d. Lacs, 2300-2400m, 26.-28.7.70 leg. Nadig” [printed on white card, with “120” and “Plat. d. Lacs, 2300-2400m” handwritten by Nadig]; “*E. nigripes* LA GRECA ♂ det. Nadig” [typewritten on white card]; “det. LA GRECA” [typewritten on white card, with a circular blue label glued on]; “Paratypus” [printed on red card].

A ♀ specimen (MHNG-ARTO-0034632) with labels: “MAROC 70 MA 70:120, Haut Atlas Oriental, Plat. d. Lacs, 2300-2400m, 26.-28.7.70 leg. Nadig” [printed on white card, with “120” and “Plat. d. Lacs, 2300-2400m” handwritten by Nadig]; “*Euryparyphes nigripes* La Gr. LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “det. LA GRECA” [typewritten on white card, with a circular blue label glued on]; “ALLOTIPO” [printed on red card]. The claws of the right middle leg are missing.

A ♀ specimen (MHNG-ARTO-0034633) with labels: “MAROC 70 MA 70:120, Haut Atlas Oriental, Plat. d. Lacs, 2300-2400m, 26.-28.7.70 leg. Nadig” [printed on white card with “120” and “Plat. d. Lacs, 2300-2400m” handwritten by Nadig]; “*E. nigripes* LA GRECA ♀ det. Nadig” [typewritten on white card]; “det. LA GRECA” [typewritten on white card with a circular blue label glued on]; “Paratypus” [printed on red card]. Box Nadig 352.

Euryparyphes nigripes La Greca, 1993

paraflexuosus La Greca, 1993: 338-342 [*Euryparyphes*].

Alto Atlante orientale; Mikdane, (2100-2150 m) (68:59) 13.7.1968, Nadig leg. ♂ holotype and one ♀ paratype.

The MHNG collection contains the ♂ holotype and ♀ paratype. A ♂ specimen (MHNG-ARTO-0034627) with labels: “Maroc 68 MA 68:59, Mikdane 2100-2150m, 13.7.68 leg. Nadig [printed on white card, with “59” and “2100-2150m” handwritten by Nadig]; “*Euryparyphes paraflexuosus* La Gr. LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “det. LA GRECA” [typewritten on white card, with a circular blue label glued on]; “OLOTIPO” [printed on red card]. Dissected genitalia are glued to a card mount on the original pin.

A ♀ specimen (MHNG-ARTO-0034628), labelled as allotype, with labels: “Maroc 68 MA 68: 59, Mikdane

2100-2150m, 13.7.68 leg. Nadig [printed on white card with “59” and “2100-2150m” handwritten by Nadig]; “Euryaryphes paraflexuosus La Gr. LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “det. LA GRECA” [typewritten on white card, with a circular blue label glued on]; “ALLOTIPO” [printed on red card]. The left antenna is missing. Box Nadig 351.

Euryaryphes paraflexuosus La Greca, 1993

tazzekensis La Greca, 1993: 330-333 [*Euryaryphes*]. Medio Atlante (pendici nord); J. Tazzeke (1800-1980m) (69:39) [sic], 2.7.1968, Nadig leg. ♂ holotype, one ♂ paratype.

The MHNG collection contains the holotype ♂ (MHNG-ARTO-0033672) with labels: “Maroc 68 MA 68:39, J. Tazzeke, 1800-1980m, 2.7.68 leg. Nadig” [printed on white card, with “39” and “J. Tazzeke, 1800-1980m, 2.7.” handwritten by Nadig]; “Präp. 1968 Nr. 39 MA.68:39, Euryp. ♂ J. Tazzeke” handwritten on pinkish paper, with “Präp. 19” and “Nr.” printed; “Euryaryphes tazzekensis n. sp. LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “det. LA GRECA” [typewritten on white card, with a circular blue label glued on]; “OLOTIPO” [printed on red card]. The tarsi of the right front leg, the entire right middle leg and the tarsi of both hind legs are missing. The end of the abdomen and genitalia are glued to a card mount on the original pin.

A ♂ and a ♀ with the same data have been labelled as paratypes by Nadig, but they were not seen by La Greca and are therefore not part of the type series. Box Nadig 350.

Euryaryphes tazzekensis La Greca, 1993

trapezoidalis trapezoidalis La Greca, 1969: 550-551 [*Cophopodisma*].

La Meta (Parco Naz. d’Abruzzo), Valle Lunga (m 1900). Unspecified series [no holotype designated].

The MHNG collection contains one ♂ syntype and one ♀ syntype. A ♂ specimen (MHNG-ARTO-0034643) with labels: “Parco Naz. d’Abruzzo” [printed on white card]; “Valle Lungo (Barrea) m1900, 8-8-66 La Greca leg.” [printed on white card]; “Cophopodisma trapezoidalis La Gr. (paratipo) LA GRECA DET.” [handwritten by La Greca on white card, with “LA GRECA DET.” printed]; “Paratypus” [handwritten by Harz on red card]. The tarsi of the right middle leg and two tarsal segments of the right hind leg are missing. A micro-tube with dissected genitalia is secured through the stopper on the original pin.

A ♀ specimen (MHNG-ARTO-0034644) with labels: “Parco Naz. d’Abruzzo” [printed on white card]; “Valle Lungo (Barrea) m1900, 8-8-66 La Greca leg.” [printed on white card]; “Cophopodisma trapezoidalis LA GRECA Paratypus” [handwritten by Harz on white card]; “Paratypus” [handwritten by Harz on red card]. Box Harz 55.

Italopodisma trapezoidalis trapezoidalis (La Greca, 1969)

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REFERENCES

- Baccetti B., Ruffo S. 2003. In memory of Marcello La Greca. *Memorie della Società entomologica italiana* 82: 283-297.
- Cigliano M.M., Braun H., Eades D.C., Otte D. 2023. Orthoptera Species File. Version 5.0/5.0. Available at <http://Orthoptera.SpeciesFile.org>. [accessed 18.07.2023]
- Fontana P., La Greca M. 1999. Descrizione e prime osservazioni sulla bioacustica di *Chorthippus bruttius* sp. n. di Calabria (Italia meridionale) (Insecta Orthoptera Acrididae). *Atti della Accademia Roveretana degli Agiati* 98: 19-35.
- Hollier J. 2019. The type specimens of the bush cricket genera *Anaulacomera* Stål, 1873 and *Furnia* Stål, 1876 (Orthoptera: Tettigoniidae) held in the Muséum d’histoire naturelle de Genève. *Revue suisse de Zoologie* 126(1): 73-77.
- La Greca M. 1962. Una nuova specie di Ortottero dunicolo (*Doclostaurus minutus* n. sp.) paleoendemita di Sicilia. *Bollettino della seduta dell’Accademia Gioenia di Scienze naturali in Catania* 7: 115-122.
- La Greca M. 1969. Il differenziamento specifico e subspecifico delle popolazioni appenniniche di *Cophopodisma* (Orthoptera). *Memorie della Società entomologica italiana* 48: 541-567.
- La Greca M. 1993. Le specie marocchine dei generi *Euryaryphes* Fischer, *Paraemigus* Bolivar, *Paraeuparaphyes* gen. n., *Nadigeumigus* gen. n., *Pseudamigus* Chopard e *Amigus* Bolivar (Orthoptera, Pamphigidae). *Bollettino dell’Accademia Gioenia di scienze naturali* 26(341): 293-414.