

Chestnut-bellied and Spotted Sandgrouse. Near Thumrayt, Oman. 3rd November 2008.
Photo: Killian Mullarney.



List of Sandgrouse with References

Compiled by Joe Hobbs



Introduction

This is the final version of the Sandgrouse's list, no further updates will be made. Grateful thanks to Killian Mullarney for the cover images and all those who responded with constructive feedback. All images © the photographer.

Please note that this and other Reference Lists I have compiled are **not exhaustive** and are best employed in conjunction with other sources.

Joe Hobbs

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The general order of species follows the International Ornithologists' Union World Bird List (**Gill, F. & Donsker, D.** (eds.) 2019. IOC World Bird List. Available from: <https://www.worldbirdnames.org/> [version 9.1 accessed January 2019]).

Final Version

Version 1.2 (July 2019).

Cover

Main image: Chestnut-bellied and Spotted Sandgrouse. Near Thumrayt, Oman. 3rd November 2008. Picture by Killian Mullarney.

Vignette: Spotted Sandgrouse. Near Thumrayt, Oman. 3rd November 2008. Picture by Killian Mullarney.

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Tibetan Sandgrouse

Syrhaptēs tibetanus [Gould].

Tibetan plateau W to Kashmir & Pamir Mts (Tajikistan) and N to Astin Tagh & Nan Shan Mts (NW China) and E to Qinghai and NW Sichuan (C China).

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Pallas's Sandgrouse

Syrrhaptes paradoxus [Pallas].

Kazakhstan & Uzbekistan thru Xinjiang (NW China) & Mongolia E to Gansu (NC China) and S to Kunlun Shan & Qaidam Basin (Qinghai, WC China) and sporadically E to Inner Mongolia & Heilongjiang (NE China) mainly between 40° N & 50° N and periodic irruptive movements far west of its normal range.

Peter Simon Pallas (1741-1811), German zoologist who worked in Russia and one of the greatest 18th century naturalists. In addition to various bird species his name is commemorated in the vernacular and scientific names of mammals and fish.

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Pin-tailed Sandgrouse

Pterocles alchata [Linnaeus].

[*P.a. alchata*] Iberian Peninsula & SE France.

[*P.a. caudacutus*] Morocco E to N Libya and SE Turkey & the Middle East E thru Iraq & Iran to Uzbekistan & S Kazakhstan.

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Namaqua Sandgrouse

Pterocles namaqua [J.F. Gmelin].

SW Angola & Namibia E to SW Zimbabwe and S thru Botswana, W Transvaal & Orange Free State to S Cape Province.

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Chestnut-bellied Sandgrouse

Pterocles exustus [Temminck].

[*P.e. exustus*] Mauritania & Senegambia E to Sudan.

[*P.e. ellioti*] SE Sudan to N Ethiopia & Somalia.

[*P.e. olivascens*] S Ethiopia S to Tanzania.

[*P.e. erlangeri*] W & S Arabia.

[*P.e. hindustan*] SE Iran, Pakistan and most of India. Birds, probably of this race, were released for 'sporting' purposes on Hawaii, Molokai and Kauai in the early 1960s. Some may be still established on Hawaii only.

[*P.e. floweri*] Nile Valley (C Egypt). Considered extinct at one time and not recorded between the 1930s and 2012 when a team of Austrian and German ornithologists rediscovered this form in the Nile Valley of Egypt (Khil *et al.* 2012).

Other names: Indian Sandgrouse, Small Pin-tailed Sandgrouse, Lesser Pin-tailed Sandgrouse.

- Bruslund, S. et al.** 2007. Husbandry of the Chestnut-bellied Sandgrouse at Al Wabra wildlife preservation. *International Zoo News* 54(2): 80-84.
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Spotted Sandgrouse

Pterocles senegallus [Linnaeus].

S Morocco, Western Sahara & Mauritania E thru the Sahara to Ethiopia & N Somalia and Arabian peninsula & Iraq E to Pakistan & NW India.

Other name: Saharan Sandgrouse.

- Araba, W.** 2005. Distribution and habitat associations of selected breeding birds in Wadi Araba, Jordan. *Sandgrouse* 27(1): 24-29 (27).
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Black-bellied Sandgrouse

Pterocles orientalis [Linnaeus].

[*P.o. orientalis*] Fuerteventura & Lanzarote (Canary Islands), Iberian peninsula and Morocco E to NW Libya and Cyprus, Israel, Anatolia & Armenia

[*P.o. arenarius*] NW Kazakhstan E to NW Xinjiang (NW China) and S to Iran, Afghanistan & Baluchistan (SW Pakistan).

Other names: Imperial Sandgrouse, Oriental Sandgrouse, Large Sandgrouse.

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Yellow-throated Sandgrouse

Pterocles gutturalis [A. Smith].

[*P.g. gutturalis*] S Zambia & W Zimbabwe S thru Botswana to N Cape Province & W Transvaal.

[*P.g. saturator*] Ethiopia S thru Kenya & Tanzania to extreme N Zambia.

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Crowned Sandgrouse

Pterocles coronatus [Lichtenstein].

[*P.c. coronatus*] Sahara Desert of S Morocco & Western Sahara E to N Sudan & the Red Sea.

[*P.c. vastitas*] Sinai & adjacent parts of Israel & Jordan.

[*P.c. saturatus*] Interior Oman.

[*P.c. atratus*] S Arabia NE thru Iran to S Afghanistan.

[*P.c. ladas*] Pakistan.

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Black-faced Sandgrouse

Pterocles decoratus [Cabanis].

[*P.d. decoratus*] SE Kenya & E Tanzania.

[*P.d. ellenbecki*] NE Uganda & N Kenya E to S Ethiopia & S Somalia and E Ethiopia.

[*P.d. loveridgei*] W Kenya & W Tanzania.

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- Njoroge, P. et al.** 1997. The validity of open seasons for sandgrouse shooting: analysis of an 11-year data set from Kenya. *African Journal of Ecology* 35(3): 186-193.

Madagascar Sandgrouse

Pterocles personatus [Gould].

Madagascar except for the east of the island.

Other name: Masked Sandgrouse.

Pons, P. & Wendenburg, C. 2005. The impact of fire and forest conversion into savanna on the bird communities of West Madagascan dry forests. *Animal Conservation* 8: 183-193.

Lichtenstein's Sandgrouse

Pterocles lichtensteinii [Temminck].

[*P.l. lichtensteinii*] S Israel, Sinai, SE Egypt & Sudan S to N Ethiopia & N Somalia and Socotra.

[*P.l. targius*] Sahara & Sahel of S Morocco & Mauritania E to Chad.

[*P.l. sukensis*] SE Sudan & S Ethiopia S to C Kenya.

[*P.l. arabicus*] S Arabia E thru S Iran, S Afghanistan to Pakistan.

[*P.l. ingrams*] E Yemen.

Other names: Close-barred Sandgrouse, Abyssinian Sandgrouse.

Martin Hinrich Carl Lichtenstein (1780-1857), German physician, traveller and ornithologist who founded the Berlin Zoo and one time Director of the Zoological Museum, Berlin.

Anon. 1991. Country varia: Israel. *Dutch Birding* 13(1): 20-28 (plates 20 & 21, p. 22).

Araba, W. 2005. Distribution and habitat associations of selected breeding birds in Wadi Araba, Jordan. *Sandgrouse* 27(1): 24-29 (27).

Burton, A.R. 1918. Close-barred Sandgrouse at Muscat. *Journal of the Bombay Natural History Society* 25: 751-752.

Cowan, P.J. 2009. Photospot: Lichtenstein's Sandgrouse. *Sandgrouse* 31(2): 189-192.

Cunningham, P. 2002. Confirmed breeding of the Lichtenstein Sandgrouse, *Pterocles lichtensteinii*, from the United Arab Emirates. *Zoology in the Middle East* 25: 15.

Moeller, E. 1993. The Problem of counting Lichtenstein's Sandgrouse *Pterocles lichtensteinii*. *Emirates Bird Report* 17: 9-10.

Olsen, K.M. 1983. Lichtenstein's Sandgrouse in Israel and Sinai. *Dutch Birding* 5(2-3): 75-76.

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Roselaar, C.S. & Aliabadian, M. 2009. Review of rare birds in Iran, 1860s-1960s. *Podoces* 4(1): 1-27 (14).

Shirihai, H. et al. 1999. Photospot: Lichtenstein's Sandgrouse. *Sandgrouse* 21(1): 5-8.

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Thomas, D.H. & Robin, A.P. 1981. Description of the downy young of Lichtenstein's Sandgrouse *Pterocles lichtensteinii* and the significance of 'unpatterned' downy young in the Pterocliidae. *Bulletin of the British Ornithologists' Club* 101: 140.

Painted Sandgrouse

Pterocles indicus [J.F. Gmelin].

Punjab & Rajasthan E to Bihar and S to Tamil Nadu (Indian subcontinent).

Other name: Indian Sandgrouse.

Allen, G.O. 1919. Habits of the Painted Sand Grouse *Pterocles fasciatus*. *Journal of the Bombay Natural History Society* 26(2): 672.

Frend, G.V.R. 1947. Painted Sandgrouse and other game birds in Mysore. *Journal of the Bombay Natural History Society* 46(4): 725-727.

Kasambe, R. & Wadkatkar, J. 2007. Birds of Pohara-Malkhed Reserve Forest, Amravati, Maharashtra-an updated annotated checklist. *Zoos' Print Journal* 22(7): 2768-2770 (2769).

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Varu, S.N. 2008. Sighting of Painted Sandgrouse from Kachchh. *Flamingo* 6(1-2): 9-10.

Waite, H.W. 1925. Breeding of the Painted Sandgrouse *Pterocles indicus* in the Punjab Salt Range. *Journal of the Bombay Natural History Society* 30(4): 917.

Four-banded Sandgrouse

Pterocles quadricinctus [Temminck].

Senegambia, Mali, Niger, Chad & Sudan E to Ethiopia and S to Ghana, Nigeria, N Uganda & NW Kenya.

Other name: Lowe's Four-banded Sandgrouse.

Percy Roycroft Lowe (1870-1948), British ornithologist who was President of the British Ornithologists' Union between 1933 and 1943.

Portier, B. et al. 2002. Birding in Burkina Faso, more than just birdwatching. *Dutch Birding* 24(3): 127-141 (plate 115, p. 132).

Double-banded Sandgrouse

Pterocles bicinctus [Temminck].

[*P.b. bicinctus*] Namibia, Botswana & NW Cape Province (South Africa).

[*P.b. ansorgei*] SW Angola.

[*P.b. multicolor*] S & E Zambia, S Malawi & W Mozambique S to Transvaal (South Africa).

Berry, H.E. et al. 2001. Synchrony of drinking in Double-banded Sandgrouse *Pterocles bicinctus*, at Etosha National Park, Namibia. *Ostrich* 72: 109-113.

Cowley, T.E. et al. 2005. Notes on the drinking behaviour of the Double-banded Sandgrouse, *Pterocles bicinctus*, from southern Namibia. *Namibia Scientific Society Journal* 53: 27-36.

Dixon, J.E. et al. 1970. Miscellaneous notes on South West African birds. *Madoqua* 10(2): 149-151.

Hinsley, S.A. & Ferns, P. 2000. Notes: Juvenile plumage of European sandgrouse. *British Birds* 93(2): 91-93.

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Hinsley, S.A. 1992. Bioenergetics of a desert specialist, the double-banded sandgrouse, and the problem of stress induced by experimental conditions. *Comparative Biochemistry and Physiology Part A: Physiology* 102(3): 433-439.

Little, R.M. & Earle, R.A. 1995. Sandgrouse (pterocleidae) and sociable weavers *Philetarius socius* lack avian haematozoa in semi-arid regions of South Africa. *Journal of Arid Environments* 30(3): 367-370.

Lloyd, P. 1999. The science and policy behind managing sandgrouse for sustainable utilisation in southern Africa. *South African Journal of Wildlife Research* 29(2): 35-42.

MacDonald, J.D. 1954. Notes on the Double-banded Sandgrouse. *Bulletin of the British Ornithologist's Club* 74: 6-8.

van Niekerk, J.H. 2012. Observations on movements of Double-banded Sandgrouse (*Pterocles bicinctus*) in Borakalalo National Park, North West province, South Africa. *Chinese Birds* 3(1): 47-53.

Burchell's Sandgrouse

Pterocles burchelli [W.L. Sclater].

SE Angola, Namibia & Botswana E to SW Zambia, Zimbabwe & NW Transvaal and S to N Cape Province & W Orange Free State.

The proposed form *makarikari* is not considered valid.

Other names: Variegated Sandgrouse, Southern Spotted Sandgrouse.

William John Burchell (1781-1863), English explorer who spent time in South Africa.

Grant, W.S. et al. 1997. Temporal and geographical genetic variability in Namaqua and Burchell's Sandgrouse. *Journal of Arid Environments* 35(1): 123-139.

Little, R.M. & Earle, R.A. 1995. Sandgrouse (pterocleidae) and sociable weavers *Philetarius socius* lack avian haematozoa in semi-arid regions of South Africa. *Journal of Arid Environments* 30(3): 367-370.

Lloyd, P. 1999. The science and policy behind managing sandgrouse for sustainable utilisation in southern Africa. *South African Journal of Wildlife Research* 29(2): 35-42.

McKechnie, A.E. et al. 2016. Avian thermoregulation in the heat: evaporative cooling capacity in an archetypal desert specialist, Burchell's sandgrouse (*Pterocles burchelli*). *Journal of Experimental Biology* jeb.139733 doi: 10.1242/jeb.139733.