

Twite. Raghly Harbour, County Sligo, Ireland. 6th December 2009.
Photo: Tom Shevlin.



List of Twite, Linnet & Redpoll with References

Compiled by Joe Hobbs



Introduction

I have endeavoured to keep typos, errors, omissions etc in this list to a minimum, however when you find more I would be grateful if you could mail the details during 2018 & 2019 to: josephobbs@gmail.com.

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

Grateful thanks to Tom Shevlin (www.irishbirds.ie) for the cover images. All images © the photographer.

Joe Hobbs

Index

The general order of species follows the International Ornithologists' Union World Bird List (**Gill, F. & Donsker, D.** (eds.) 2018. IOC World Bird List. Available from: <http://www.worldbirdnames.org/> [version 8.2 accessed July 2018]).

Version

Version 1.1 (August 2018).

Cover

Main image: Twite. Raghly Harbour, County Sligo, Ireland. 6th December 2009. Picture by Tom Shevlin.

Vignette: Linnet. Soldier's Point, County Louth, Ireland. 9th December 2007. Picture by Tom Shevlin.

Species	Page No.
Arctic Redpoll [<i>Acanthis hornemanni</i>]	9
Common Redpoll [<i>Acanthis</i> sp.]	6
Lesser Redpoll [<i>Acanthis cabaret</i>]	6
Linnet [<i>Linaria cannabina</i>]	4
Mealy Redpoll [<i>Acanthis flammea</i>]	6
Twite [<i>Linaria flavirostris</i>]	3
Warsangli Linnet [<i>Linaria johannis</i>]	6
Yemen Linnet [<i>Linaria yemenensis</i>]	6

Relevant Publications

- Balmer, D. et al.** 2013. *Bird Atlas 2001-11: The breeding and wintering birds of Britain and Ireland*. BTO Books, Thetford.
- Beadle, D. & Rising, J.D.** 2006. *Tanagers, Cardinals, and Finches of the United States and Canada: The Photographic Guide*. Princeton University Press.
- Beaman, M.** 1994. *Palaearctic birds: a checklist of the birds of Europe, North Africa and Asia north of the foothills of the Himalayas*. Harrier Publications, Stonyhurst, Lancashire.
- Clement, P. et al.** 1993. *Finches & Sparrows: an Identification Guide*. Christopher Helm, A & C Black, London.
- Cramp, S. & Perrins, C.M.** (eds.) 1994. *Handbook of the Birds of Europe, the Middle East and North Africa, The Birds of the Western Palearctic, Volume 8: Crows to Finches*. Oxford University Press
- del Hoyo, J. et al.** (eds.) 2010. *Handbook of the Birds of the World Volume 15, Weavers to New World Warblers*. Lynx Edicions, Barcelona.
- Glutz von Blotzheim, U.N. & Bauer, K.M.** (eds.) 1997. *Handbuch der Vögel Mitteleuropas* bd. 14/II. Wiesbaden.
- Jenni, L. & Winkler, R.** 1994. *Moult and Ageing of European Passerines*. Academic Press.
- Newton, I.** 1972. *Finches*. Collins, London.
- Ottaviani, M.** 2011. *Monographie des Fringilles, Volume 2: Carduelinés – Histoire Naturelle et Photographies*. Editions Prin, Ingré.
- Parkin, D.T. & Knox, A.G.** 2010. *The Status of Birds in Britain & Ireland*. Christopher Helm, London.
- Shirihai, H. & Svensson, L.** 2018. *Handbook of Western Palearctic Birds: Passerines*. Christopher Helm.
- Snow, D.W. & Perrins, C.M.** (eds.) 1998. *The Birds of the Western Palearctic Concise Edition Volume 2, Passerines*. Oxford University Press.
- Svensson, L.** 1992. *Identification Guide to European Passerines (4th edition)*. Privately Published, Stockholm.
- van Duivendijk, N.** 2010. *Advanced Bird ID Guide, The Western Palearctic*. New Holland.
- van Duivendijk, N.** 2011. *Advanced Bird ID Handbook, The Western Palearctic*. New Holland.
- Vinicombe, K. et al.** 1989. *The Macmillan Field Guide to Bird Identification*. Macmillan Press, London and Basingstoke.
- Vinicombe, K. et al.** 2014. *The Helm Guide to Bird Identification*. Christopher Helm, London.

General Notes

- Ericson, P.G.P. et al.** 2000. Major Divisions in Oscines Revealed by Insertions in the Nuclear Gene *c-myc*: A Novel Gene in Avian Phylogenetic. *The Auk* 117(4): 1069-1078.
- Greenberg, R. et al.** 1999. Tits, Warblers, and Finches: Foliage-gleaning birds of Nearctic and Palearctic forests. *The Condor* 101(2): 299-310.
- Harris, M.P. et al.** 1965. A mixed population of Redpolls in northern Norway. *British Birds* 58: 288-294.
- Herremans, M.** 1990. Taxonomy and evolution in Redpolls. *Carduelis flammea-hornemanni*; A multivariate study of their biometry. *Ardea* 78(3): 441-458.
- King, J.** 1996. OrnithoNews - Redpolls: one, two or five? *Birding World* 9(8): 322-323.
- Knox, A.G.** 1988. The Taxonomy of Redpolls. *Ardea* 76(1): 1-26.
- Newton, I.** 1968. The moulting seasons of some finches and buntings. *Bird Study* 15(2): 84-92.
- Payevsky, V.A.** 2015. Taxonomy of true finches (Fringillidae, Passeriformes): A review of problems. *Biology Bulletin* 42(8): 713-723. [Original Russian text in *Zoologicheskii Zhurnal* 2015, 94(2): 221-232.]
- Peach, W.J. et al.** 1998. Long-term changes in the abundance of passerines in Britain and Ireland as measured by constant effort mist-netting. *Bird Study* 45(3): 257-275.
- Sangster, G. et al.** 2013. Taxonomic recommendations for Western Palearctic birds: ninth report. *Ibis* 155(4): 898-907.
- Wallace, D.I.M. et al.** 2001. Autumn migration in westernmost Donegal. *British Birds* 94(3): 103-120 (112).
- Williams, G.R.** 1953. The dispersal from New Zealand and Australia of some introduced European passerines. *Ibis* 95(4): 676-692.
- Williamson, K.** 1961. The taxonomy of the Redpolls. *British Birds* 54(6): 238-241.
- Witherby, H.F.** 1915. The moults of the British passers, with notes on the sequence of their plumages, Part II. *British Birds* 9(7): 167-176.
- Zamora, J. et al.** 2006. Conjoint mitochondrial phylogenetic trees for Canaries *Serinus* spp. and Goldfinches *Carduelis* spp. show several specific polytomies. *Ardea* 53(1): 1-17.

Twite

Linaria flavirostris [Linnaeus].

[*L.f. flavirostris*] Norway, N Sweden & N Finland E to Kola peninsula (NW Russia). Winters S to the coasts of the Baltic & North Sea and C & E Europe.

[*L.f. pipilans*] N & NW Ireland & N Britain. Winters, some S to coastal SE England and NE France E to Netherlands

[*L.f. brevirostris*] Caucasus & adjacent S Russia S to SC & E Turkey and NW & N Iran.

[*L.f. kirghizorum*] N & C Kazakhstan. Winters S to S Kazakhstan & N Uzbekistan.

[*L.f. korejevi*] S Altai (Tarbagatay, NE Kazakhstan) & N Xinjiang (NW China). Winters SE Kazakhstan and Tajikistan S to C Afghanistan.

[*L.f. altaica*] C & E Altai, W Sayan Mts & Tuva Republic (S Russia) and W & N Mongolia.

[*L.f. montanella*] E Kyrgyzstan, Tajikistan, S Uzbekistan and W & SW Xinjiang S to Karakorum, Kunlun Shan and Altun Shan, E to N Qinghai (WC China), Afghanistan, Chitral, Gilgit & Baltistan (N Pakistan) and Trans Alay Mts (N Pamir Mts, C Asia).

[*L.f. miniakensis*] S Qinghai & E Xizang (E Tibetan Plateau) E to E to Gansu and W Sichuan (C China).

[*L.f. rufostrigata*] Ladakh & W & S Xizang (W & S Tibetan Plateau) and N India E to N Nepal.

Treated by del Hoyo *et al.* 2010 as *Carduelis flavirostris*. Treated by some as *Acanthis flavirostris*.

The proposed form *pamirensis* is included with *L.f. montanella*. The proposed form *bensonorum* is included in *L.f. pipilans*.

- Alexander, W.B. & Lack, D.** 1944. Changes in status among British breeding birds. *British Birds* 38(3): 42-45 (45).
- Armitage, J.** 1927. Some breeding habits of the Twite. *British Birds* 21(5): 117-119.
- Atkinson, P.W.** 1998. *The wintering ecology of the Twite Carduelis flavirostris and the consequences of habitat loss*. Ph.D. Thesis, University of East Anglia.
- Brown, A.F. et al.** 1995. The distribution, numbers and breeding ecology of Twite *Acanthis flavirostris* in the South Pennines of England. *Bird Study* 42(2): 107-121.
- Brown, R.H.** 1936. Notes: Status of the Siskin and Twite in Lakeland. *British Birds* 30(5): 170-171.
- Butterfield, E.P.** 1922. Letters: Observations on the Twite in the Pennines. *British Birds* 16(5): 140.
- Callahan, D.** 2011. Taxonomy: Our forgotten endemics - British Twite. *Birdwatch* 228: 38.
- Clark, H. & Sellers, R.M.** 1997. Distribution and abundance of Twites wintering in Caithness. *Scottish Birds* 19(1): 1-9.
- Clark, H. & Sellers, R.M.** 1998. Movements of Twites in Scotland. *Scottish Birds* 19(5): 270-279.
- Clark, H. & Sellers, R.M.** 1998. Winter habitats of Twites in Scotland. *Scottish Birds* 19(5): 262-269.
- Clark, H. & Sellers, R.M.** 1999. A further survey of Twites wintering in Caithness. *Scottish Birds* 20: 35-37.
- Clark, H. & Sellers, R.M.** 2001. Biometrics of the Twite *Carduelis flavirostris*. *Ringling & Migration* 20(4): 328-337.
- Corse, C.J. et al.** 2011. Movements of Twite *Carduelis flavirostris* in northern Scotland. *Ringling & Migration* 26(2): 101-108.
- Davies, M.** 1988. The importance of Britain's Twites. *RSPB Conservation Review* 2: 91-94.
- Dierschke, J. & Bairlein, F.** 2004. Habitat selection of wintering passerines in salt marshes of the German Wadden Sea. *Journal of Ornithology* 145(1): 48-58.
- Dierschke, J.** 1997. The status of Shorelark *Eremophila alpestris*, Twite *Carduelis flavirostris* and Snow Bunting *Plectrophenax nivalis* in the Wadden Sea. *Wadden Sea Ecosystem* 4: 95-114.
- Dierschke, J.** 2002. Food preferences of Shorelarks *Eremophila alpestris*, Snow Buntings *Plectrophenax nivalis* and Twites *Carduelis flavirostris* wintering in the Wadden Sea. *Bird Study* 49(3): 263-269.
- Dunning, J. et al.** 2016. A neglected colony of the Twite in central England. *British Birds* 109(6): 343-348.
- Forrest, H.E.** 1914. Notes: Twites in Shropshire in summer. *British Birds* 8(4): 97.
- Frost, R.A.** 2008. Notes: Cliff-nesting Twites in the Peak District. *British Birds* 101(5): 263.
- Jardine, D.C.** 1992. Notes: Twites eating seaweed. *British Birds* 85(11): 619.
- Jones, G.** 2008. Conservation: Protecting the Pennine finch. *Birdwatch* 192: 34-36.
- Langston, R.H. et al.** 2006. Status of breeding Twite *Carduelis flavirostris* in the UK. *Bird Study* 53(1): 55-63.
- Lu, X. et al.** 2011. Breeding ecology of the Twite *Carduelis flavirostris* in northern Tibet. *Ornis Fennica* 88(3): 172.

- Marler, P. & Mundinger, P.** 1975. Vocalizations, social organization, and breeding biology of the Twite, *Acanthis flavirostris*. *Ibis* 117(1): 1-17.
- McLoughlin, D. & Cotton, D.** 2008. The status of Twite *Carduelis flavirostris* in Ireland 2008. *Irish Birds* 8(3): 323-330.
- McLoughlin, D.** 2007. Throwing light on Twite. *Wings* 44: 19.
- McLoughlin, D.** 2010. Twite on the edge - Rarest native finch soldiers on. *Wings* 57: 15-17.
- McLoughlin, D. et al.** 2010. The movement patterns of two populations of Twites *Carduelis flavirostris* in Ireland. *Ringing & Migration* 25(1): 15-21.
- McLoughlin, D.T.** 2011. *Management prescriptions for twite in Ireland*. Irish Wildlife Manuals, No. 52. National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government, Dublin, Ireland.
- McLoughlin, D.T. et al.** 2012. The biometrics of Twite *Carduelis flavirostris* in Ireland and Britain. *Ringing & Migration* 27(2): 76-82.
- Mearns, R.** 2009. Wintering Twite in Dumfries & Galloway. *Scottish Birds* 29(3): 210-219.
- Middleton, P.** 2007. Notes: The South Pennine Twite population. *British Birds* 100(2): 124-125.
- Nuttall, J.** 1972. The status and distribution of the twite (*Carduelis flavirostris*) in east Lancashire, with some notes on breeding biology. *Naturalist* 23: 140-141.
- O'Meara, M.** 2000. Twite *Carduelis flavirostris* at the Kilbarry Bog, Waterford, 1999. *Irish Birds* 6(3): 430-431.
- Orford, N.** 1973. Breeding distribution of the twite in central Britain. *Bird Study* 20(1): 51-62.
- Pitches, A.** 2011. News and comment: Moorland fires threaten last strongholds of nesting Twite. *British Birds* 104(6): 340.
- Potapov, R.L.** 2006. A record of the twite *Cannabina flavirostris* in the Leningrad District. *Russian Journal of Ornithology* 318: 449-456 [in English and Russian].
- Raine, A.** 2004. Providing supplementary food as a conservation initiative for twite *Carduelis flavirostris* breeding in the South Pennines near Littleborough, West Yorkshire, England. *Conservation Evidence* 1: 26-28.
- Raine, A.F. et al.** 2006. Migration patterns of two populations of Twite *Carduelis flavirostris* in Britain. *Ringing & Migration* 23(1): 45-52.
- Raine, A.F. et al.** 2006. Natal philopatry and local movement patterns of Twite *Carduelis flavirostris*. *Ringing & Migration* 23(2): 89-94.
- Raine, A.F. et al.** 2009. Assessing population changes from disparate data sources: the decline of the Twite *Carduelis flavirostris* in England. *Bird Conservation International* 19(4): 401-416.
- Reed, S.** 1995. Factors limiting the distribution and population size of Twite (*Carduelis flavirostris*) in the Pennines. *Naturalist* 120: 93-102.
- Taylor, F.** 1935. Colour of the bill and other notes on the Twite. *British Birds* 29(4): 102-104.
- Vinicombe, K.** 2007. ID at a glance: Linnet and Twite. *Birdwatch* 175: 26-27.
- Wilkinson, N.I. & Wilson, J.D.** 2010. Breeding ecology of Twite *Carduelis flavirostris* in a crofting landscape. *Bird Study* 57: 142-155.
- Wilkinson, N.I. et al.** 2010. The abundance of Twite wintering in Caithness and Sutherland in 2006/07. *Scottish Birds* 30(4): 295-301.

Linnet

Linaria cannabina [Linnaeus].

[*L.c. cannabina*] W, C & N Europe (except Scotland) to W Siberia & upper Yenisey and N from Pyrénées, N Italy, N of former Yugoslavia, Romania & Ukraine (except Crimea). Winters, some S to N Africa & SW Asia.

[*L.c. autochthona*] Scotland.

[*L.c. bella*] Islands in E Aegean S to Rhodes, Asia Minor, Levant & Crimea E thru Caucasus area to Iran & SW Turkmenistan and C Asia. Winters, some S to Baluchistan, Salt Range & Punjab (N Pakistan).

[*L.c. mediterranea*] Iberia E to Balkan countries & Karpathos (Greece) but not on islands in E Aegean and Morocco E to N Tunisia & N Libya.

[*L.c. guentheri*] Madeira.

[*L.c. meadewaldoi*] W & C Canary Islands.

[*L.c. harterti*] E Canary Islands.

Other name: Brown Linnet, Common Linnet.

Treated by del Hoyo *et al.* 2010 as *Carduelis cannabina*.

- Alexander, W.B. & Lack, D.** 1944. Changes in status among British breeding birds. *British Birds* 38(3): 42-45 (45).
- Aliabadian, M.** 2011. Eight new records of bird species from North-Eastern Iran. *Iranian Journal of Biosystematics* 7(1): 31-47 (34).
- Bønløkke-Pedersen, J. et al.** 2002. Rare extra-pair fertilizations in the semi-colonially breeding linnet *Carduelis cannabina*. *Journal of Avian Biology* 33(2): 203-206.
- Callahan, D.** 2011. Taxonomy: Our forgotten endemics - Scottish Linnet. *Birdwatch* 228: 38.
- Drachmann, J.** 1997. *Sexual selection and reproductive success in the Linnet (Carduelis cannabina)*. Ph.D. Thesis, University of Aarhus, Denmark.
- Drachmann, J. et al.** 1997. Copulation behaviour in the Linnet *Carduelis cannabina* and the insemination window hypothesis. *Journal of Avian Biology* 28(3): 191-196.
- Drachmann, J. et al.** 2000. Mate guarding in the Linnet *Carduelis cannabina*. *Bird Study* 47(2): 238-241.
- Drachmann, J. et al.** 2002. Nest predation and semicolonial breeding in Linnets *Carduelis cannabina*. *Bird Study* 49(1): 35-41.
- Eybert, M-C. & Constant, P.** 1998. Diet of nestling Linnets (*Acanthis cannabina* L.). *Journal für Ornithologie* 139(3): 277-286.
- Eybert, M-C. et al.** 1995. Effects of changes in agricultural landscape on a breeding population of linnets *Acanthis cannabina* L. living in adjacent heathland. *Biological Conservation* 74(3): 195-202.
- Förschler, M.I. et al.** 2010. Extraordinary high natal philopatry in a migratory passerine. *Journal of Ornithology* 151(3): 745-748.
- Gargallo, G. & Clarabuch, O.** 1995. Extensive moult and ageing in six species of passerines. *Ringing & Migration* 16(3): 178-189.
- Harber, D.D.** 1945. Notes: Courtship-feeding of Linnet. *British Birds* 38(11): 211.
- Khoury, F. et al.** 2009. Nest placement and nesting success in two finch species colonizing a recently established plantation in an arid region. *Journal of Ornithology* 150(1): 29-37.
- Mead, J.N.** 1946. Notes: Cock Linnet feeding hen during incubation. *British Birds* 39(8): 244.
- Mezquida, E.T. et al.** 2005. Microhabitat use and social structure in Linnet *Carduelis cannabina* and Corn Bunting *Miliaria calandra* at a winter roost in central Spain. *Bird Study* 52(3): 323-329.
- Moorcroft, D. & Wilson, J.D.** The ecology of Linnets *Carduelis cannabina* on lowland farmland, pp. 173-181. Found in: **Aebischer, N.J. et al.** (eds.) 2000. *Ecology and Conservation of Lowland Farmland Birds*. British Ornithologists' Union, Tring.
- Moorcroft, D. et al.** 1997. The diet of nestling Linnets *Carduelis cannabina* before and after agricultural intensification, pp. 969-972. Found in: *Brighton Crop Protection Conference – Weeds vol. 3*. British Crop Protection Council, Farnham.
- Moorcroft, D. et al.** 2006. Diet of nestling Linnets *Carduelis cannabina* on lowland farmland before and after agricultural intensification. *Bird Study* 53(2): 156-162.
- Moorcroft, D.M.** 2000. *The causes of the decline in the Linnet Carduelis cannabina within the agricultural landscape*. D.Phil. thesis, University of Oxford.
- Newton, I.** 1967. The adaptive radiation and feeding ecology of some British finches. *Ibis* 109(1): 33-96.
- Oliver, P.J.** 1997. The breeding birds of Inner London, 1966-94. *British Birds* 90(6): 211-225 (220).
- Poulsen, H.** 1954. On the song of the Linnet (*Carduelis cannabina* (L.)). *Dansk Ornithologisk Forenings Tidsskrift* 48: 32-37.
- Rathbone, P. & Rathbone, M.** 1992. Notes: Stone-curlew killing adult Linnet. *British Birds* 85(3): 135.
- Rendall, P.** 1916. Notes: Late nesting of the Linnet. *British Birds* 16(6): 160.
- Richardson, R.A.** 1948. Notes: Courtship feeding of Linnet. *British Birds* 41(5): 149.
- Sage, B.** 2005. Notes: Food plants of Linnet. *British Birds* 98(2): 102.
- Sealy, S.G. et al.** 1996. Cuckoo hosts in Ireland, 1985-95. *Irish Birds* 5(4): 381-390 (388).
- Strinella, E. et al.** 2015. Timing and duration of moult in relation to weather conditions in four montane passerine species at the Gran Sasso, Central Italy. *Ringing & Migration* 30(2): 67-74.
- Surmacki, A. et al.** 1999. Communal roosting of Linnets (*Carduelis cannabina*) and Blue-headed Wagtails (*Motacilla flava*) at post-breeding period in Western Poland. *Die Vogelwarte* 40(1-2): 146-148.
- Swann, R.L. et al.** 2014. Movements of Linnets *Linaria cannabina* in northern Scotland. *Ringing & Migration* 29(1): 19-28.
- Tast, J.** 1968. Changes in the distribution, habitat requirements and nest-sites of the linnet, *Carduelis cannabina* (L.), in Finland. *Annales Zoologici Fennici* 5(2): 159-178.
- Thayer, G.H.** 1900. The European Linnet in Westchester County, N.Y. *The Auk* 17(4): 388-389.
- Vinicombe, K.** 2007. ID at a glance: Linnet and Twite. *Birdwatch* 175: 26-27.

Yemen Linnet

Linaria yemenensis [Ogilvie-Grant].

SW Saudi Arabia and W Yemen.

Other name: Arabian Linnet.

Treated by del Hoyo *et al.* 2010 as *Carduelis yemenensis*.

Bowden, C.G.R. & Brooks, D.J. 1987. The Yemen Linnet in North Yemen. *Sandgrouse* 9: 111-114.

Martins, R.P. et al. 1996. The status of passerines in southern Yemen and records of the OSME survey in spring 1993. *Sandgrouse* 17: 54-72 (70).

Newton, S.F. & Newton, A.V. 1996. Seasonal changes in the abundance and diversity of birds in threatened juniper forest in the southern Asir mountains, Saudi Arabia. *Bird Conservation International* 6(4): 371-392.

Warsangli Linnet

Linaria johannis [S.R. Clarke].

Daalo & Mashacaleed (N Somalia highlands).

Treated by del Hoyo *et al.* 2010 as *Carduelis johannis*.

John P.S. Clarke (b. 1896), English naturalist and collector, who was in the Somaliland Police from 1918 to 1920.

Ash, J. & Miskell, J.E. 1981. Present abundance of the Warsangli Linnet *Acanthis johannis*. *Bulletin of the British Ornithologist' Club* 101(4): 396-398.

Butchart, S. 2007. Birds to find: a review of 'lost', obscure and poorly known African bird species. *Bulletin of the African Bird Club* 14: 138-157 (152).

Clarke, S.R. 1919. Description of a new genus *Warsanglia* and five new forms from Somaliland. *Bulletin of the British Ornithologist' Club* 40: 48-50.

Cohen, C. et al. 2011. Photospot: Endemic and special birds of Somaliland. *Bulletin of the African Bird Club* 18(1): 86-92 (figure 13, p. 91).

Donald, P.F. & Brooke, M. de L. 2006. An unlikely survivor: the peculiar natural history of the Raso Lark. *British Birds* 99(8): 420-430 (422).

Williams, J.G. 1956. The re-discovery of *Warsanglia johannis*. *Ibis* 98: 531-532.

Common Redpolls

Mealy Redpoll

Acanthis flammea [Linnaeus].

[*A.f. flammea*] Scandinavia & the Baltic countries S to E Germany & Poland & E thru Russia S to c. 55°N & Mongolia, Amurland, Ussuriland, N Manchuria, Sakhalin and Aleutians, Alaska & N Canada. Winters, majority of population moves S.

[*A.f. rostrata*] E Baffin Island and W & E coasts of Greenland. Winters E Canada & NE USA W to Illinois & S to New Jersey and Iceland and probably Scotland & Ireland.

[*A.f. islandica*] Iceland.

Treated by del Hoyo *et al.* 2010 as *Carduelis flammea*.

Other names: Icelandic Redpoll (*islandica*), Greenland Redpoll (*rostrata*).

Lesser Redpoll

Acanthis cabaret [Müller].

Ireland, Britain, SW Norway, S Sweden, Denmark and N & NE France E to S Belgium, Netherlands & N & C Germany and SE France E to Austria in the Alps and SE Czech Republic, S Poland & possibly N Romania in the Carpathians. Winters NW, NC & S Europe. Introduced to Lord Howe Island & New Zealand.

Treated by del Hoyo *et al.* 2010 as *Carduelis cabaret*.

Alekseeva, N.S. 1986. Second clutch of the Redpoll (*Acanthis flammea*) in Yamal Peninsula. *Ornithologiya* 21:145. [in Russian].

Alexander, W.B. & Lack, D. 1944. Changes in status among British breeding birds. *British Birds* 38(3): 42-45 (44).

Antikainen, E. et al. 1980. The nomadic breeding of the Redpoll *Acanthis flammea* in 1979 in North Savo, Finland. *Ornis Fennica* 57: 124-131.

Bailey, A.M. 1928. Early nesting of the Redpoll in Alaska. *The Condor* 30(5): 320.

- Beadle, D. & Henshaw, B.** 1996. Identification of 'Greenland' Common Redpoll *Carduelis flammea rostrata*. *Birder's Journal* 5: 44-47.
- Brinkley, E.S. et al.** 2011. Photo essay: redpolls from Nunavut and Greenland visit Ontario. *North American Birds* 65(2): 206-215.
- Brooks, W.S.** 1968. Comparative adaptations of the Alaskan redpolls to the arctic environment. *The Wilson Bulletin* 80(3): 253-280.
- Callahan, D.** 2011. Speciation: The spice of life. *Birdwatch* 231: 44-47.
- Collinson, M.** 2006. Splitting headaches? Recent taxonomic changes affecting the British and Western Palearctic lists. *British Birds* 99(6): 306-323 (318).
- Czaplak, D.** 1995. Identifying Common and Hoary Redpolls. *Birding* 27: 205-217.
- Davis, P.** 1960. Greenland Redpolls and Lapland Buntings in autumn 1959. *Fair Isle Bird Observatory Bulletin* 4: 128-129.
- Dolphin, A.K.** 1998. Notes: Common Redpolls feeding on algae. *British Birds* 91(6): 240.
- Eds.** 2001. Was it Mealy? Putative Mealy Redpoll in Devon. *Birdwatch* 106: 50.
- Eds.** 2006. Notes: Redpolls at garden feeders. *British Birds* 99(7): 370.
- Eds.** 2002. Redpolls cause a flurry. Arctic and Mealy Redpolls: Titchwell, Norfolk, December 2001. *Birdwatch* 116: 51.
- Enemar, A. & Nystrom, B.** 1981. Population fluctuations, food and breeding of the Redpoll *Carduelis flammea* in a mountain birch forest, Swedish Lapland. *Vår Fågelvärld* 40: 409-426.
- Evans, P.R.** 1966. Autumn movements, moult and measurements of the Lesser Redpoll *Carduelis flammea cabaret*. *Ibis* 108(2): 183-216.
- Evans, P.R.** 1969. Ecological aspects of migration, and pre-migratory fat deposition in the Lesser Redpoll, *Carduelis flammea cabaret*. *The Condor* 71(3): 316-330.
- Gladwin, T.** 2006. Notes: Lesser Redpolls at garden feeders. *British Birds* 99(3): 159.
- Golley, M.** 1994. Masterguide: Hoary problems. *Birdwatch* 20: 40-43.
- Hearl, G.** 1998. Letters: Collecting Redpolls. *Birding World* 11(2): 67.
- Herremans, M.** 1989. Vocalizations of Common, Lesser and Arctic Redpolls. *Dutch Birding* 11(1): 9-15.
- Herremans, M.** 1990. Taxonomy and evolution in redpolls *Carduelis flammea-hornemanni*; a multivariate study of their biometry. *Ardea* 78: 441-458.
- Hogstad, O.** 1996. Population fluctuation of the redpoll *Carduelis flammea* during 31 years in a subalpine birch forest in central Norway. *Vår Fuglefauna* 19: 149-155.
- Kehoe, C.** 2006. Racial identification and assessment in Britain: a report from the RIACT subcommittee. *British Birds* 99(12): 619-645 (642).
- Kennard, J.H.** 1976. A biennial rhythm in the winter distribution of the Common Redpoll. *Bird-Banding* 47(3): 231-237.
- King, J.** 1998. OrnithoNews: Support for Lesser Redpoll split. *Birding World* 10(12): 446.
- Knox, A.G. et al.** 2001. The taxonomic status of Lesser Redpoll. *British Birds* 94(6): 260-267.
- Korhonen, K.** 1981. Temperature in the nocturnal shelters of the redpoll (*Acanthis flammea* L.) and the Siberian tit (*Parus cinctus* Budd.) in winter. *Annales Zoologici Fennici* 18(3): 165-167.
- Lifjeld, J.T. & Bjerke, B.A.** 1996. Evidence for assortative pairing by the *cabaret* and *flammea* subspecies of the Common Redpoll *Carduelis cabaret* in SE Norway. *Fauna Norvegica, Serie C: Cinclus* 19: 1-8.
- Lindström, Å. et al.** 1984. Sydlig gråsiska *Carduelis flammea cabaret* i Sverige samt förslag till kriterier för rasbestämning [Lesser Redpoll in Sweden and its identification]. *Vår Fågelvärld* 43: 525-530.
- Marthinsen, G. et al.** 2008. Low support for separate species within the redpoll complex (*Carduelis flammea* - *hornemanni* - *cabaret*) from analysis of mtDNA and microsatellite markers. *Molecular Phylogenetics and Evolution* 47: 1005-1017.
- Marten, J.A. & Johnson, N.K.** 1986. Genetic relationships of North American Cardueline Finches. *The Condor* 88(4): 409-420.
- Molau, U.** 1985. Gråsiskkomplexet i Sverige [The redpoll complex in Sweden]. *Vår Fågelvärld* 44: 5-20.
- Murton, R.K. & Porter, S.C.** 1961. Greenland-type redpolls nesting in Inverness-shire. *British Birds* 54: 251-253.
- Newton, I.** 1967. The adaptive radiation and feeding ecology of some British finches. *Ibis* 109(1): 33-96.
- Oliver, P.J.** 1997. The breeding birds of Inner London, 1966-94. *British Birds* 90(6): 211-225 (220).
- Ottvall, R. et al.** 2002. No evidence of genetic differentiation between lesser redpolls *Carduelis flammea cabaret* and common redpolls *Carduelis f. flammea*. *Avian Science* 2(4): 237-244.

- Pennington, M. & Maher, M.** 2005. Greenland, Iceland and Hornemann's Redpolls in Britain. *Birding World* 18(2): 66-78.
- Pohl, H. & West, G.C.** 1973. Daily and seasonal variation in metabolic response to cold during rest and forced exercise in the common redpoll. *Comparative Biochemistry and Physiology Part A: Physiology* 45(3): 851-867.
- Pohl, H. & West, G.C.** 1978. Longitude specific difference in timing of seasonal functions in two northern populations of the common redpoll *Carduelis flammea*. *Ornis Fennica* 55: 36-38.
- Pohl, H.** 1980. Properties of the circadian clock of the redpoll *Carduelis flammea*. I. Stability of period and ranges of entrainment. *Physiological Zoology* 53(2): 186-198.
- Pohl, H.** 1980. Properties of the circadian clock of the redpoll *Carduelis flammea*. II. Overt functions in relation to the pacemaker. *Physiological Zoology* 53(2): 199-209.
- Pulliainen, E. & Peiponen, V.** 1981. On the breeding of the redpoll *Carduelis flammea* in NE Finland. *Ornis Fennica* 58(3): 109-116.
- Redman, P.** 2002. Letters: Lesser Redpolls in France. *British Birds* 95(4): 199.
- Reid, J.M. & Riddington, R.** 1998. Identification of Greenland and Iceland Redpolls. *Dutch Birding* 20(6): 261-271.
- Riddington, R. & Votier, S.** 1997. Redpolls from Greenland and Iceland. *Birding World* 10(4): 147-149.
- Riddington, R. et al.** 2000. The influx of redpolls into Western Europe, 1995/96. *British Birds* 93(2): 59-67.
- Robertson, K.D.** 1983. Notes: Finches feeding on aphids in late autumn. *British Birds* 76(11): 538.
- Romero, L.M. et al.** 1997. Territorial behavior, hormonal changes, and body condition in an arctic-breeding song bird, the redpoll (*Carduelis flammea*). *Behaviour* 134(9): 727-747.
- Scott, R.E.** 1964. Partial albinism in a Redpoll. *Bulletin of the British Ornithologists' Club* 84(6): 112-113.
- Sealy, S.G. et al.** 1996. Cuckoo hosts in Ireland, 1985-95. *Irish Birds* 5(4): 381-390 (388).
- Seutin, G.** 1994. Plumage redness in redpoll finches does not reflect hemoparasitic infection. *Oikos* 70(2): 280-286.
- Seutin, G. et al.** 1991. Sequential polyandry in the Common Redpoll (*Carduelis flammea*). *The Auk* 108(1): 166-170.
- Seutin, G. et al.** 1995. Mitochondrial DNA homogeneity in the phenotypically diverse redpoll finch complex (Aves: Carduelinae: *Carduelis flammea-hornemanni*). *Evolution* 49(5): 962-973.
- Stenhouse, D.** 1962. A new habit of the redpoll *Carduelis flammea* in New Zealand. *Ibis* 104(2): 250-252.
- Stoddart, A.** 2009. ID in depth: Mealy and Arctic Redpolls. *Birdwatch* 201: 31-33.
- Stoddart, A.** 2011. Identification: Redpolls Photo Guide. *Birdwatch* 234: 41-46.
- Stoddart, A.** 2013. Redpolls: a review of their taxonomy, identification and British status. *British Birds* 106(12): 708-736.
- Ticehurst, C.B.** 1929. The Iceland Redpoll and its occurrence in Scotland. *Scottish Naturalist* 1929 p.137.
- Troy, D.M. & Brush, A.H.** 1983. Pigments and feather structure of the redpolls, *Carduelis flammea* and *C. hornemanni*. *The Condor* 85: 443-446.
- Troy, D.M.** 1983. Recaptures of Redpolls: movements of an irruptive species. *Journal of Field Ornithology* 54(2): 146-151.
- Troy, D.M.** 1985. A phenetic analysis of the redpolls *Carduelis flammea flammea* and *C. hornemanni exilipes*. *The Auk* 102: 82-96.
- van Rijswijk, C.** 2013. The redpolls of Kangerlussuaq, Greenland. *Birding World* 26(11): 471-480.
- Vinicombe, K.** 2001. Identification matters: Polls apart. *Birdwatch* 104: 27-30.
- West, G.C.** 1972. The effect of acclimation and acclimatization on the resting metabolic rate of the common redpoll. *Comparative Biochemistry and Physiology - Part A: Physiology* 43(2): 293-310.
- West, G.C. et al.** 1968. Changing composition of a redpoll flock during spring migration. *Bird-Banding* 39(1): 51-55.
- Westerskov, K.** 1953. Taxonomic status of the Redpoll in NZ. *Notornis* 5(6): 189-191.
- Wetherbee, O.P.** 1937. A study of wintering Hoary, Common, and Greater Redpolls, and various intermediates or hybrids. *Bird-Banding* 8: 1-10.
- Williamson, K.** 1956. The autumn immigration of the Greenland Redpoll (*Carduelis flammea rostrata* (Coues)) into Scotland. *Dansk Ornithologisk Forenings Tidsskrift* 50: 125-133.
- Wilson Jr., W.H.** 1999. Bird feeding and irruptions of Northern Finches: Are migrations short-stopped? *North American Bird Bander* 24(4): 113-121.
- Wood, C.L.** 2004. Photo Salon: Identification of Birds in Flight. *Birding* 36(3): 246-252 (249).

Arctic Redpoll

Acanthis hornemanni [Holboell].

[*A.h. hornemanni*] Ellesmere Island, Axel Heiberg Island, Devon Island, Bylot Island & N & E Baffin Island (N Canada) and W & E Greenland. Winters S to N Quebec & Labrador (C & NE Canada) and New England (NE USA).

[*A.h. exilipes*] N Norway, N Sweden & N Russia E to the Bering Sea & Anadyrland and W & N Alaska E N Yukon, N Nunavut & N Manitoba (Canada). Winters N Europe and S to NW Xinjiang, Gansu & E Inner Mongolia (N China) and Sakhalin Island and throughout Alaska, Canada & S Greenland.

Other names: Tundra Redpoll, Hornemann's Redpoll (*hornemanni*), Hoary Redpoll (*exilipes*), Coues's Redpoll (*exilipes*).

Treated by del Hoyo *et al.* 2010 as *Carduelis hornemanni*.

Jens Wilken Hornemann (1770-1841), Danish botanist.

Dr. Elliott B. Coues (1842-1899), US Army surgeon and one of the founders of the AOU. The name is pronounced 'cows'.

Alsop III, F.J. 1973. Notes on the Hoary Redpoll on its central Canadian Arctic breeding grounds.

The Wilson Bulletin 85(4): 484-485.

Bailey, A.M. 1928. Early nesting of the Redpoll in Alaska. *The Condor* 30(5): 320.

Baldwin, P.H. & Reed, E.B. 1955. A chronology of nesting for the Hoary Redpoll (*Acanthis hornemanni*) at Umiat, Alaska, in 1953. *Journal of the Colorado-Wyoming Academy of Science* 4: 62-63.

Barley, C. 2013. Beach ball. Hornemann's Arctic Redpoll: Aldeburgh, Suffolk, 8-19 December 2012. *Birdwatch* 248: 62.

Brooks, W.S. 1968. Comparative adaptations of the Alaskan redpolls to the arctic environment. *The Wilson Bulletin* 80(3): 253-280.

Brinkley, E.S. et al. 2011. Photo essay: redpolls from Nunavut and Greenland visit Ontario. *North American Birds* 65(2): 206-215.

Burke, P.S. et al. 2013. First Documented Nests of Hoary Redpoll in Ontario. *Ontario Birds* 31(3): 122-135.

Callahan, D. 2011. Speciation: The spice of life. *Birdwatch* 231: 44-47.

Cantelo, J. 1993. From the Rarities Committee's files: Arctic Redpolls in Kent. *British Birds* 86(3): 135-138.

Czaplak, D. 1995. Identifying Common and Hoary Redpolls. *Birding* 27: 205-217.

Eds. 1993. Arctic Redpolls in Kent, a correction. *British Birds* 86(7): 311.

Eds. 2002. Redpolls cause a flurry. Arctic and Mealy Redpolls: Titchwell, Norfolk, December 2001. *Birdwatch* 116: 51.

Golley, M. 1994. Masterguide: Hoary problems. *Birdwatch* 20: 40-43.

Hanna, G.D. 1916. Records of birds new to the Pribilof Islands including two new to North America. *The Auk* 33(4): 400-403 (401).

Harrop, H. 1995. Arctic Redpolls in Shetland in November 1995. *Birding World* 8(11): 422-423.

Herremans, M. 1989. Vocalizations of Common, Lesser and Arctic Redpolls. *Dutch Birding* 11(1): 9-15.

Herremans, M. 1990. Taxonomy and evolution in redpolls *Carduelis flammea-hornemanni*; a multivariate study of their biometry. *Ardea* 78: 441-458.

Herremans, M. 1991. Witsluitbarnsijzen in Vlaanderen: voorkomen en (sub)specifieke identificatie [Arctic Redpoll in Flanders: occurrence and (sub)specific identification]. *Le Gerfaut* 3-22.

Hüppop, O. 1996. Erster Nachweis eines Polarbirkenzeisigs der Nominatform *Carduelis h. hornemanni* in Deutschland [First record of nominate Arctic Redpoll in Germany]. *Limicola* 10: 267-271.

Jännes, H. 1995. Die Bestimmung des Polarbirkenzeisigs [Identification of Arctic Redpoll]. *Limicola* 9: 49-71.

Kehoe, C. 2006. Racial identification and assessment in Britain: a report from the RIACT subcommittee. *British Birds* 99(12): 619-645 (640).

Kenyon, K.W. & Brooks, J.W. 1960. Birds of Little Diomed Island, Alaska. *The Condor* 62(6): 457-463 (463).

Lancaster, A.A.K. 2002. Ireland's first and second records of Arctic Redpoll *Carduelis hornemanni*. *Irish Birds* 7(1): 125-127.

Lansdown, P. et al. 1991. Identification of Arctic Redpoll *Carduelis hornemanni exilipes*. *British Birds* 84(2): 41-56.

- Marthinsen, G. et al.** 2008. Low support for separate species within the redpoll complex (*Carduelis flammea* - *hornemanni* - *cabaret*) from analysis of mtDNA and microsatellite markers. *Molecular Phylogenetics and Evolution* 47: 1005-1017.
- Marten, J.A. & Johnson, N.K.** 1986. Genetic relationships of North American Cardueline Finches. *The Condor* 88(4): 409-420.
- Miles, W.** 2013. Notes: Plumage state and appearance of Arctic Redpolls in summer: two examples from Fair Isle. *British Birds* 106(12): 746-749.
- Millington, R.** 1996. Identification forum: Arctic Redpolls revisited. *Birding World* 9(2): 65-69.
- Molau, U.** 1985. Gråsiskkomplexet i Sverige [The redpoll complex in Sweden]. *Vår Fågelvärld* 44: 5-20.
- Oddie, B.** 1995. Gripping yarns: Forgettable ... that's what they are. *Birdwatch* 34: 11.
- Pennington, M. & Maher, M.** 2005. Greenland, Iceland and Hornemann's Redpolls in Britain. *Birding World* 18(2): 66-78.
- Riddington, R. et al.** 2000. The influx of redpolls into Western Europe, 1995/96. *British Birds* 93(2): 59-67.
- Seutin, G. et al.** 1995. Mitochondrial DNA homogeneity in the phenotypically diverse redpoll finch complex (Aves: Carduelinae: *Carduelis flammea-hornemanni*). *Evolution* 49(5): 962-973.
- Stoddart, A.** 1991. Identification forum: Arctic Redpoll. *Birding World* 4(1): 18-23.
- Stoddart, A.** 2007. Letters: The status of 'Coues's Redpoll' in Britain. *British Birds* 100(4): 244-245.
- Stoddart, A.** 2009. ID in depth: Mealy and Arctic Redpolls. *Birdwatch* 201: 31-33.
- Stoddart, A.** 2011. Identification: Redpolls Photo Guide. *Birdwatch* 234: 41-46.
- Stoddart, A.** 2013. Redpolls: a review of their taxonomy, identification and British status. *British Birds* 106(12): 708-736.
- Thomason, B. & Pennington, M.** 2013. The influx of Hornemann's Arctic Redpolls on Unst, Shetland in November 2012. *Birding World* 25(12): 500-516.
- Troy, D.M. & Brush, A.H.** 1983. Pigments and feather structure of the redpolls, *Carduelis flammea* and *C. hornemanni*. *The Condor* 85: 443-446.
- Troy, D.M.** 1985. A phenetic analysis of the redpolls *Carduelis flammea flammea* and *C. hornemanni exilipes*. *The Auk* 102: 82-96.
- van den Berg, A.B. et al.** 2007. Groenlandse Witstuitbarmsijs te Huisduinen in oktober 2003 en determinatie, taxonomie en voorkomen [Hornemann's Redpoll near Huisduinen in October 2003 and its identification, taxonomy and occurrence]. *Dutch Birding* 29(1): 25-31.
- van Rijswijk, C.** 2013. The redpolls of Kangerlussuaq, Greenland. *Birding World* 26(11): 471-480.
- Verrips, M. & Meijendel, V.** 2007. Grote Barmsijs met ring uit Noordoost-China in Meijendel [Mealy Redpoll from North-eastern China]. *Dutch Birding* 29(1): 77.
- Votier, S.C. et al.** 2000. Arctic Redpoll *Carduelis hornemanni exilipes*: an identification review based on the 1995/96 influx. *British Birds* 93(2): 68-84.
- Wassink, A.** 2013. Birds of Kazakhstan: new and interesting data, part 4. *Dutch Birding* 35(1): 30-34 (32).
- Wassink, A.** 2015. Birds of Kazakhstan: new and interesting data, part 6. *Dutch Birding* 37(1): 28-32 (31 & 32).
- West, G.C. et al.** 1968. Changing composition of a redpoll flock during spring migration. *Bird-Banding* 39(1): 51-55.
- Westerskov, K.** 1953. Taxonomic status of the Redpoll in NZ. *Notornis* 5(6): 189-191.
- Wetherbee, O.P.** 1937. A study of wintering Hoary, Common, and Greater Redpolls, and various intermediates or hybrids. *Bird-Banding* 8: 1-10.
- Wilson Jr., W.H.** 1999. Bird feeding and irruptions of Northern Finches: Are migrations short-stopped? *North American Bird Bander* 24(4): 113-121.