

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



## List of Twite, Linnet & Redpoll with References

Compiled by Joe Hobbs



## Introduction

This is the final version of the Twite, Linnet and Redpoll list, no further updates will be made. Grateful thanks to Tom Shevlin ([www.irishbirds.ie](http://www.irishbirds.ie)) 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

## Index

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 (June 2019).

## 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.

<b>Species</b>	<b>Page No.</b>
Arctic Redpoll [ <i>Acanthis hornemanni</i> ]	9
Common Redpoll [ <i>Acanthis</i> sp.]	6
Lesser Redpoll [ <i>Acanthis cabaref</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: Carduélinés – 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. brevisrostris*] 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.
- Couzens, D.** 2018. Species profile: Hard times. *Birdwatch* 316: 44-47.
- 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. Witsluitbarmsijzen 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. Gråsiskkomplekset 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.
- Stoddart, A.** 2018. Plumages and calls of 'Hornemann's Redpolls'. *British Birds* 111(9): 543-546.
- 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.