WikipediA

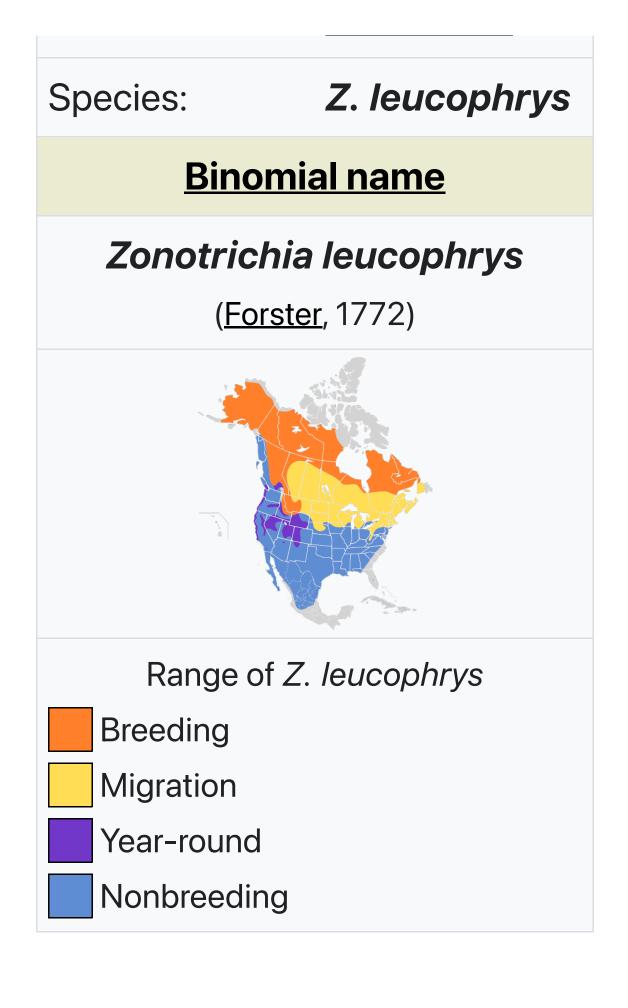
White-crowned sparrow

The **white-crowned sparrow** (*Zonotrichia leucophrys*) is a species of <u>passerine</u> bird native to <u>North America</u>. A medium-sized member of the <u>New World sparrow</u> family, this species is marked by a grey face and black and white streaking on the upper head. It breeds in brushy areas in the <u>taiga</u> and <u>tundra</u> of the northernmost parts of the continent and in the <u>Rocky Mountains</u> and Pacific coast. While southerly populations in the Rocky Mountains and coast are largely resident, the breeding populations of the northerly part of its range are <u>migratory</u> and can be found as wintering or passage visitors through most of North America south to central Mexico.

White-crowned sparrow

Temporal range:

Conservation status	
Extinct Threatened Concern	
Least Concern (IUCN 3.1) ^[1]	
Scientific classification	
Domain:	<u>Eukaryota</u>
Kingdom:	<u>Animalia</u>
Phylum:	<u>Chordata</u>
Class:	<u>Aves</u>
Order:	Passeriformes
Family:	<u>Passerellidae</u>
Genus:	<u>Zonotrichia</u>



Etymology

The scientific name is from <u>Ancient Greek</u>. The genus name Zonotrichia is from <u>Ancient Greek</u> ζώνη (*zone*, transl. band) and θρίξ (*thrix*, transl. hair). The species name *leucophrys* is from λευκός (*leukos*, transl. white) and ὀφρύς (*ophrus*, transl. eyebrow).^[2]

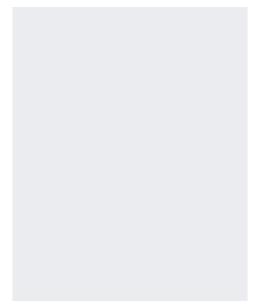
Description

Adults have black and white stripes on their head, a gray face, brown streaked upper parts and a long tail. The wings are brown with bars and the underparts are gray. Their bill is pink or yellow. They are similar in appearance to the <u>white-throated sparrow</u>, but do not have the white throat markings or yellow <u>lores</u>.^[3]

Measurements: [4]

- Length: 5.9–6.3 in (15–16 cm)
- Weight: 0.9–1.0 oz (25–28 g)
- Wingspan: 8.3–9.4 in (21– 24 cm)

Subspecies



In California, United States

There are five currently recognized subspecies of white-crowned sparrow (*pugetensis*, *gambelii*, *nuttalli*, *oriantha*, and *leucophrys*), varying in breeding distribution migratory route. Birds of the subspecies *nuttalli* are permanent residents in <u>California</u>, while birds of the subspecies *gambelli* may migrate as far as the <u>Arctic Circle</u> during the summer breeding season. Northern birds <u>migrate</u> to the <u>southern United States</u> and northern Mexico.

Distribution

Their breeding habitat is brushy areas across northern <u>Canada</u> and the western United States.

The white-crowned sparrow is a very rare vagrant to western

<u>Europe</u>.^[5] It has been sighted in England, Scotland, ^{[5][6]} Ireland, ^[7] and <u>Norway</u>.^[8] In 2008 a white-crowned sparrow was spotted in <u>Cley next the Sea</u> in <u>Norfolk</u>, England.^[9] To commemorate the event an image of the bird was included in a window at <u>St Margaret's Church</u>.

Behaviour

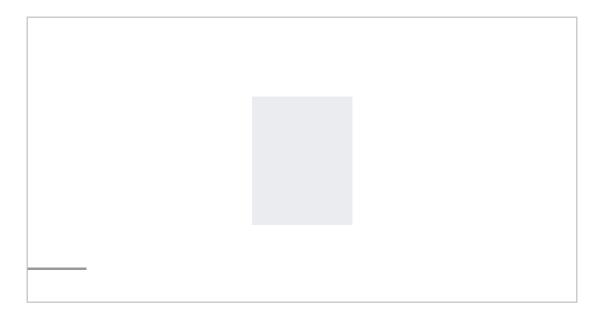
These birds forage on the ground or in low vegetation, but sometimes make short flights to catch flying <u>insects</u>. They mainly eat <u>seeds</u>, other plant parts and insects. In winter, they often forage in flocks.^[3]

White-crowned sparrows nest either low in bushes or on the ground under shrubs and lay three to five brown-marked gray or greenish-blue eggs.^[3]

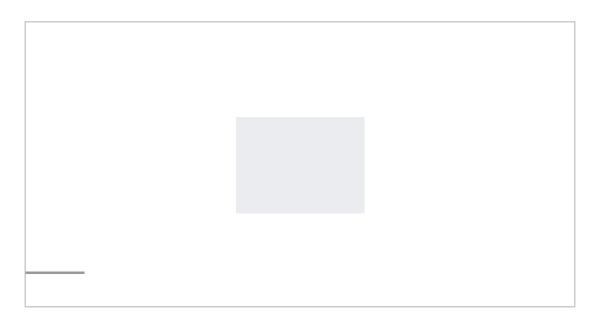
The white-crowned sparrow is known for its <u>unihemispheric slow-</u> <u>wave sleep</u>, which allows it to stay half-awake for up to two weeks during migration.^[10] This effect has been studied for possible human alertness applications in <u>shift work</u> and <u>truck</u> <u>driving</u>.^{[11][12][13]}

Recent studies by ornithologists including <u>Elizabeth Derryberry</u> have shown that white-crowned sparrow songs are affected by human activity and noise.^[14]

Images



Adult

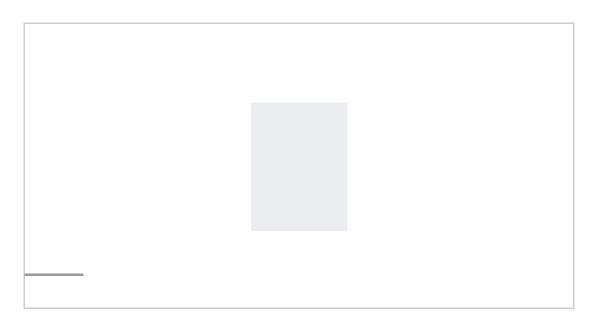


Immature white-crowned sparrows

have more muted plumage.



Subspecies *nuttalli* at <u>Point Lobos</u> <u>State Reserve</u>, <u>California</u>



Depiction of a white-crowned sparrow in window in St Margaret's Church, Cley next the Sea, Norfolk

References

1. BirdLife International (2020). "Zonotrichia leucophrys" (https://www.iu cnredlist.org/species/22721 088/136821496) . IUCN Red List of Threatened Species. 2021: e.T22721088A136821496. doi:10.2305/IUCN.UK.2021 3.RLTS.T22721088A13682

1496.en (https://doi.org/10. 2305%2FIUCN.UK.2021-3. RLTS.T22721088A1368214 96.en)^a. Retrieved 3 January 2023.

2. Jobling, James A. (2010). The Helm Dictionary of Scientific Bird Names (https ://archive.org/details/Helm_ Dictionary_of_Scientific_Bir d_Names_by_James_A._Jo bling) . London, United Kingdom: Christopher Helm. pp. 224 (https://archi ve.org/details/Helm_Diction ary_of_Scientific_Bird_Nam es_by_James_A._Jobling/p

age/n224) , 414. ISBN 978-1-4081-2501-4.

3. Chilton, G., M. C. Baker, C. D. Barrentine, and M. A. Cunningham. 1995. Whitecrowned Sparrow (Zonotrichia leucophrys). In The Birds of North America, No. 183 (A. Poole and F. Gill, eds.). The Academy of Natural Sciences, Philadelphia, and The American Ornithologists' Union, Washington, D.C. 4. "White-crowned Sparrow

· · · · · · · · · · · · ·

Identification, All About Birds, Cornell Lab of Ornithology" (https://www.a Ilaboutbirds.org/guide/Whit e-crowned_Sparrow/id) . allaboutbirds.org. Retrieved 29 September 2020.

- Broad, R. A.; Hawley, R. G. (1980). "White-crowned Sparrows: new to Britain and Ireland" (http://www.bri tishbirds.co.uk/search?id=5 518) . British Birds. 73 (10): 466–470.
- 6. "Rare bird found in coastal

garden" (http://news.bbc.co .uk/2/hi/uk_news/england/n orfolk/7179001.stm) . BBC News. 9 January 2008. Retrieved 12 August 2011.

- Hussey, Harry (2003). "The White-crowned Sparrow in County Cork". Birding World. 16 (5): 203–5.
- "American mob-sparrow declares war on Norway" (ht tps://web.archive.org/web/2 0091007044456/http://oy vind.hoysater.no/lang/en/ar chives/3039) . 4 October

2009. Arcnivea from the original (http://oyvind.hoysa ter.no/lang/en/archives/303 9) on 7 October 2009.

9. Unwin, Brian. "Whitecrowned Sparrow boosts local tourism" (https://web.a rchive.org/web/20090828 054506/http://www.telegra ph.co.uk/earth/earthnews/3 323119/White-crowned-Sp arrow-boosts-local-tourism. html) . The Telegraph. Archived from the original (https://www.telegraph.co.uk /earth/earthnews/3323119/

White-crowned-Sparrow-b oosts-local-tourism.html) on 28 August 2009. Retrieved 28 October 2014.

- "It's Wake-Up Time" (https:/ /www.wired.com/wired/arch ive/11.11/sleep.html) . Wired Website. 1 November 2003. Retrieved 28 July 2010.
- 11. Rattenborg, Niels C.;
 Mandt, Bruce H.;
 Obermeyer, William H.;
 Winsauer, Peter J.; Huber,
 Reto; Wikelski, Martin;
 Benca. Ruth M. (13 Julv)

2004). "Migratory Sleeplessness in the White-Crowned Sparrow (Zonotrichia leucophrys gambelii)" (https://www.ncb i.nlm.nih.gov/pmc/articles/P MC449897) . PLOS Biology. 2 (7): E212. doi:10.1371/journal.pbio.00 20212 (https://doi.org/10.13 71%2Fjournal.pbio.002021 2)^a. PMC 449897 (https://w ww.ncbi.nlm.nih.gov/pmc/ar ticles/PMC449897)^a. PMID 15252455 (https://pu

bmed.ncbi.nlm.nih.gov/152 52455) .

- "Alaska sparrow migration mystery" (http://www.farnor thscience.com/2007/11/06/ news-from-alaska/alaska-sp arrow-migration-mystery/) .
 Far North Science Website.
 6 November 2007.
 Retrieved 28 July 2010.
- 13. "Circadian and Masking Control of Migratory Restlessness in Gambel's White-Crowned Sparrow (Zonotrichia leucophrys)

gambelii)" (http://jbr.sagepu b.com/content/23/1/59.abst ract) . Journal of Biological Rhythms. 1 February 2008. Retrieved 28 July 2010.

14. Derryberry, Elizabeth P.; Phillips, Jennifer N.; Derryberry, Graham E.; Blum, Michael J.; Luther, David (30 October 2020). "Singing in a silent spring: Birds respond to a halfcentury soundscape reversion during the COVID-19 shutdown" (https

://doi.org/10.1126%2Fscien ce.abd5777) . Science. **370** (6516): 575–579. doi:10.1126/science.abd577 7 (https://doi.org/10.1126% 2Fscience.abd5777)^a. ISSN 0036-8075 (https://s earch.worldcat.org/issn/00 36-8075). PMID 32972991 (https://pu bmed.ncbi.nlm.nih.gov/329 72991).

Further reading

Kroodsma DE, Baker MC,

Baptista LF & Petrinovich L. (1985). *Vocal "dialects" in Nuttall's white-crowned sparrow*. In Johnston, R F [Editor] Current Ornithology 103–133, 1985. Plenum Press, 233 Spring Street, New York, New York.

External links

<u>White-crowned sparrow</u>
 <u>species account (http://www.bir</u>
 <u>ds.cornell.edu/AllAboutBirds/Bir</u>
 <u>dGuide/White-crowned_Sparro</u>

<u>w.html)</u>[@] - Cornell Lab of Ornithology

- <u>White-crowned sparrow -</u> <u>Zonotrichia leucophrys (https://</u> <u>www.mbr-pwrc.usgs.gov/id/fra</u> <u>mlst/i5540id.html)</u> - USGS
 Patuxent Bird Identification
 InfoCenter
- <u>"White-crowned sparrow</u> <u>media" (https://www.hbw.com/i</u>
 <u>bc/species/white-crowned-spa</u>
 <u>rrow-zonotrichia-leucophrys)</u>^a.
 <u>Internet Bird Collection</u>.
- <u>White-crowned sparrow photo</u>

gallery (http://vireo.acnatsci.org /search.html?Form=Search&SE ARCHBY=Common&KEYWOR DS=White-crowned+Sparrow& showwhat=images&AGE=All& SEX=All&ACT=All&Search=Se arch&VIEW=All&ORIENTATION =All&RESULTS=24)[©] at VIREO (Drexel University)

 Interactive range map of Zonotrichia leucophrys (http:// maps.iucnredlist.org/map.html? id=22721088) at IUCN Red List maps (http://maps.iucnredli st.org/index.html)^a
 Retrieved from

"https://en.wikipedia.org/w/index.php?

title=White-

crowned_sparrow&oldid=1265209912"

WIKIPEDIA This page was last edited on 25 December 2024, at 19:07 (UTC). • Content is available under CC BY-SA 4.0^e unless otherwise noted.