

I'm not a robot





































domesticated birdDomestic pigeonA selection of domestic pigeon breeds and colors, the result of centuries of selective breeding[a]Conservation statusDomesticated Scientific classification Kingdom:AnimaliaPhylum:ChordataClass:AvesOrder:ColumbiformesFamily:ColumbidaeGenus:ColumbaSpecies:C.liviaSubspecies:C.l. domesticaTrinomial nameColumba livia domesticaGmelin, 1789[1]SynonymsColumba domesticaColumba livia rusticaThe domestic pigeon (Columba livia domestica or Columba livia forma domestica) is a pigeon subspecies that was derived from the rock dove or rock pigeon. The rock pigeon is among the world's oldest domesticated birds: mesopotamian cuneiform tablets mention the domestication of pigeons more than 5,000 years ago, as do Egyptian hieroglyphics.Pigeons have held historical importance to humans as food, pets, holy animals, and messengers. Due to their homing ability, pigeons have been used to deliver messages, including during the world wars. Despite this, city pigeons, which are feral birds, are generally seen as pests, mainly due to their droppings and a reputation for spreading disease.Emperor Honorius is a historically prominent individual who kept pigeons as pets.Despite the long history of pigeons, little is known about the specifics of their initial domestication. Which subspecies of C. livia was the progenitor of domestics, exactly when, how many times, where and how they were domesticated, and how they spread, remains unknown. Their fragile bones and similarity to wild birds make the fossil record a poor tool for their study. Thus most of what is known comes from written accounts, which almost certainly do not cover the first stages of domestication.[3][4] Over the millennia of human influence, pigeons have lost many of the traits that made them useful as messengers, but have gained others, such as the ability to fly long distances, which has been used to transport mail from the Middle East to Europe. Mesopotamia some 5,000 years ago.[9]Pigeon Valley in Cappadocia has rock formations that were carved into ancient dovecotes. Ancient Egyptians kept vast quantities of them, and would sacrifice tens of thousands at a time for ritual purposes.[10] Akbar the Great traveled with a coterie of thousands of pigeons.[11][12][13][14]The domestic pigeon was brought to the Americas by European colonists as an easy source of food and as messengers. 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"Compass sense" is their geographic location. The second, "compass sense" is the bearing they need to fly to their new location to reach their home. Both of these senses, however, respond to a number of different cues in different situations. The most popular conception of how pigeons are able to do this is that they are able to sense the Earth's magnetic field. However, there is still much debate about whether or not pigeons actually have a magnetoreception ability. Another theory is that pigeons may be using olfactory navigation. As pigeons are known to have a very strong sense of smell, it is possible that they are using their sense of smell to navigate. A third theory is that pigeons may be using celestial navigation. Pigeons are known to have a very good sense of direction, and it is possible that they are using the position of the sun, along with other cues, to work out direction. However, studies have shown that if magnetic disruption or cloud coverings occur, pigeons can still find their way home. This variability in the effects of manipulations to tests of the pigeons indicates that there is more than one cue on which navigation is based and that map sense appears to rely on a comparison of available cues.[68]Other potential cues used include the use of a sun compass[69]Nocturnal navigation by stars[70]Visual landmark maps[71][72]Navigation by infrasound map[73]Polarised light compass[74]Olfactory stimuli[75][76] (see also olfactory navigation)Main article: Flying/Sporting pigeonsPigeons of different plumage in flightPigeons are also kept by enthusiasts for the enjoyment of Flying/Sporting competitions. Unlike racers, these birds are not released far from their home flocks; breeds such as tippers are bred for the ability to hover above the loft for hours at a time. Their ability to hover for a long time shows the ability of the keeper to select for endurance.[citation needed]Wild pigeons naturally flip or somersault when evading aerial predators such as large-bodied falcons; they are naturally selected by the extreme speeds that some stooping falcon breeds reach (over 320km/h [200mph]),[77] being able to dodge this attack at the last second. Tumbler and roller pigeons are bred to enhance this ability.[25][78] some birds have been recorded to be able to somersault on the ground and land on its feet, and some breeds are even deliberately bred to a point where the rolling ability is debilitating, being wholly unable to fly due to it.[25][78]A breed called the zurlo, bred for its speed, may be used in live pigeon shooting.[79][80]This section does not cite any sources. Please help improve this section by adding citations to reliable sources. Unourced material may be challenged and removed. (March 2025)

Pigeons are also used in training exercises for military forces. In World War II, German soldiers used homing pigeons to deliver messages between the front and rear areas. Pigeons were trained to fly over enemy territory and drop small bombs or incendiary bombs. They were also used to deliver messages to friendly forces. Pigeons were well represented in both ancient and contemporary culture. As pigeonkeepers accrued more experience, they started selecting for increasingly more unusual features in their birds, features such as unusual plumage patterns and colors, various crests, foot feathering, altered stance and proportion, or unusual behaviors are well represented in extant pigeon breeds. These birds are generally classed as fancy pigeons.Pigeon shows are conventions where pigeon fanciers and breeders meet to compete and trade their fancy pigeons. The various pigeon breeds dubbed "American show" were developed specifically by pigeon show frequenters pursuing a certain show standard determined by the National Pigeon Association. Fanciers compete against each other at exhibitions or shows and the different forms or breeds are judged to a standard to decide who has the best bird.There are many fancy or ornamental breeds of pigeons; among them are the English carrier pigeons, a variety of pigeon with prominent wattles and an almost vertical stance, the Duchess breed, which has as a prominent characteristic feet that are completely covered by a sort of fan of feathers, the fantails with a fan of tail feathers like a peacock, and the Voorburg Shield Cropper which are bred to inflate their crops in an effort to woo their handlers.Variety of fancy pigeonsArchangel showing its extensive iridescenceOld Dutch CapuchineLucerne Gold CollarOriental FlightOld German OwlOld Dutch OwlEnglish OwlChinese OwlValencian Figurita, one of the smallest breeds of pigeonPortsmouth tumbler, another small breed of pigeonOld Dutch TumblerThe Giant Runt, one of the largest pigeon breedsGhent CropperHolle CropperSilesian CropperVoorburg Silese CropperNorwich CropperFrymoyer pouterAmerican Show RacerDutch Beauty HomerGerman or English FantailAmerican FantailDanish HighflyerOriental RollerBirmingham RollerDanish TumblerZagreb TumblerMain article: Pigeon intelligenceDomestic pigeons are model organisms commonly used in laboratory experiments relating to cognition and learning. Pigeons have been used in a wide range of experiments to study learning, memory, and decision making. Pigeons have been used to study the effects of drugs on learning and memory. Pigeons have been used to study the effects of stress on learning and memory. Pigeons have been used to study the effects of social interaction on learning and memory. Pigeons have been used to study the effects of environmental factors on learning and memory. Pigeons have been used to study the effects of genetic factors on learning and memory. Pigeons have been used to study the effects of neural factors on learning and memory. Pigeons have been used to study the effects of hormonal factors on learning and memory. Pigeons have been used to study the effects of psychological factors on learning and memory. Pigeons have been used to study the effects of physiological factors on learning and memory. Pigeons have been used to study the effects of behavioral factors on learning and memory. 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