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from spring to late autumn, with litter sizes often ranging from two to five kittens.[9]Domestic cats are bred and shown at events as registeredpedigreed cats, a hobby known ascat fancy.Population controlof cats may be achieved byspayingandneutering, but their proliferation and the abandonment of pets has resulted in large numbers of feral cats worldwide, contributing to the extinction of entire bird, mammal, and reptile species.[10]

I t was long

inancient Egypt, wherecats were veneratedfrom around 3100 BC,[11] [12] but recent advances in archaeology and genetics have shown that their domestication occurred inWestern Asiaaround 7500 BC.[13]

As of 2021, there were an estimated 220 million owned and 480million stray cats in the world.[14] [15]As of 2017,the domestic cat was the second most popular pet in theUnited States, with 95.6million cats owned[16] [17] Female domestic cats can have kittens [18] and around 42 million households owning at least one cat.[19]In theUnited Kingdom, 26% of adults have a cat, with an estimated population of 10.9million pet cats as of 2020.[20]

Etymology and naming

The origin of the English wordcat,Old Englishcatt, is thought to be theLate Latinwordcattus, which was first used at the beginning of the 6th cen-

sis derived from an Egyptian precursor ofCoptic w□ □ šau, 'tomcat', or its feminine form suffixed with-t.[22] The Late Latin word may be derived from anotherAfro-Asiatic [23]orNilo-Saharanlanguage. The Nubianwordkaddîska'wildcat' andNobiinkadīsare possible sources or cognates.[24]The Nubian word may be a loan fromArajqitt. طِق~ٻaitt

However, it is "equally likely that the forms might derive from an ancient Germanic word, imported into Latin and thence to Greek and to Syriac and Arabic".[25]The word may be derived from Germanic and Northern European languages, and ultimately be borrowed fromUralic, cf.Northern Samigáðfi, 'femalestoat', andHungarianhölgy, 'lady, female stoat'; fromProto-Uralic*käd'wä, 'female (of a furred animal)'.[26]

The Englishpuss, extended aspussyandpussycat, is attested from the 16th century and may have been introduced from-

Dutchpoesor

etymology of this word is unknown,

fromLow Germanpuuskatte, related toSwedishkattepus, or-Norwegianpus,pusekatt. Similar forms exist in LithuanianpuižėandIrishpuisínorpuiscín. The

but it may have arisen from a soundused to attract a cat.[27] [28]

A male cat is called atomortomcat[29] (or agib,[30]ifneutered). A female is called aqueen[31](or amolly,[32][user-generated source?]ifspayed), especially in a cat-breeding context. A juve- b e nile cat is referred to as akitten. In Early Modern English, the wordkittenwas interchangeable with the now-obsolete wordcatling.[33]A group of cats can be referred to as aclowderor aglaring.[34]

Taxonomy

Thescientific nameFelis catuswas proposed byCarl Linnaeusin 1758 for a domestic cat. [1] [2]Felis catus domesticuswas proposed by Johann Christian Polycarp Erxlebenin 1777.[3]Felis daemonproposed by Konstantin Satuninin 1904 was a black cat from the Transcaucasus, later identified as a domestic cat.[35] [36]

In 2003, theInternational Commission on Zoological Nomenclatureruled that the domestic cat is a distinct species, namelyFelis catus.[37] [38]In 2007, it was considered asubspecies,F. silvestris catus, of the European wildcat (F. silvestris) following results ofphylogeneticresearch.[39] [40]In 2017, the IUCN Cat Classification Taskforce followed the recommendation of the ICZN in regarding the domestic cat as

a distinct species, Felis catus. [41] **Evolution** Main article:Cat evolution

Skulls of a wildcat (top left), a housecat (top right), and a hybrid

wild ancestor are diploid and both possess 38chromosomes [45]and roughly 20,000 genes.[46]Theleopard cat(Prionailurus bengalensis) wastamedindependently in China around 5500 BC. This line of partially domesticated cats leaves no trace in the domestic cat populations of today.[47]

The domesticated cat and its closest

Domestication

See also:Domestication of the cat

A cat eating a fish under a chair, amuralin an Egyptian tomb dating to the 15th century BC

The earliest known indication for thetaming of an African wildcat(F. lybica) wasexcavatedclose

by a humanNeolithicgrave inShillourokambos, southernCyprus, dating to about 7500-7200 BC. Since there is no evidence of native mammalianfaunaon Cyprus, the inhabitants of this Neolithic village most likely brought the cat and other wild mammals to the island from the Middle Easternmainland.[48]Scientists therefore assume that African wildcats were attracted to early human settlements in theFertile Crescentby rodents, in particular thehouse mouse(Mus musculus), and were tamed by Neolithic farmers. Thismutu-

tween the two.

(bottom center)

The domestic cat is a member of the Felidae, afamilythat had acommon ancestorabout 10-15million years ago. [42]ThegenusFelisdivergedfrom other Felidae around 6–7million years ago. [43]Results ofphylogeneticresearch confirm that the wildFelisspecies evolved throughsympatricorparapatric speciation, whereas the domestic cat evolved throughartificial selection.[44]

thought that cat domestication began

tury.[21]It was suggested that cattu-

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1. RAGDOLL 5

alrelationship between early farmers and high intelligence. CaptiveLeopand tamed cats lasted thousands of years. Asagricultural practicesspread, so did tame and domesticated cats.[13] [6] Wildcats of Egypt contributed to the maternalgene poolof the domestic cat at a later time.[49]

The earliest known evidence for the occurrence of the domestic cat in-

Greecedates to around 1200 BC. Greek, Phoenician, -CarthaginianandEtruscantraders introduced domestic cats to southern Europe.[50] During theRoman Empirethey were introduced toCorsicaandSardiniabefore the beginning of the 1st millennium.[51]By the 5th century BC, they were

familiar animals around settlements in Magna Graecia and Etruria.[52]By the end of the Western Roman Empire in the 5th century, the Egyptian domestic cat lineage had arrived in aBaltic Seaport in northern-Germany.[49]

During domestication, cats have undergone only minor changes in anatomy and behavior, and they are still capable of surviving in the wild. Several natural behaviors and characteristics of wildcats may havepre-adaptedthem for domestication as pets. These traits include their small size, social nature, obvious body language, love of play,

arduscats may also display affectionate behavior toward humans but were not domesticated.[53]House cats often mate with feral cats.[54]

Hybridisation

Hybridisation between domestic and other Felinae speciesis also p o s sible, producing hybrids such as theKellas catinScotland. [55] [56]

Development breedsstarted in the mid 19th century. [57] An analysis of the domestic catgenomerevealed that the ancestral wildcat genome was significantly altered in the process of domestication, as specificmutationswere selected to develop cat breeds.[58]Most breeds are founded on random-bred domestic cats.Genetic diversityof these breeds varies between regions, and is lowest in purebred populations, which show more than 20 deleteriousgenetic disorders.[59] Thecat(Felis catus) is adomestic speciesof

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