and, it is alledged, that those of America, where they are very numerous, came originally from the Old Continent. It is, however, certain, that this little animal follows man, and files from uninhabited places, probably on account of its natural appetite for bread, cheefe, butter, oil, and other aliments which men prepare for themselves.

SUPPLEMENT.

WHITE mice, with red cyci, are found ne only in our temperate climate, but in the fountern and northern regions of both Continent. White mice, white red eye, fays Pontoppidan, have been found in the finall village of Randdallen; but, whether they are indigenous, or brought from the Eath-Indies, is uncertain. This laft impossion feems to have no foundation; for it is natural to expect white unice in Norway, as well as every where elf in Europe; and mice, in general, are equally numcus in America with the Old Continent.

The Long-tailed FIELD-MOUSE *.

This saimal is lefs than the rat, and larger than the montific. In ever lives in houses, but is found in the fields and woods. Its eyes are madely large and prominent; and it differs multiple from the rat and monife, by the colour of a reddith brown on the back. It is very generally and copionity diffilled, depending the elevated countries. It feems to take a confiderable time travity of a fill growth, because it varies greatly in first. The largest are between four and five inches long; and the finaller ones, which appear likewise to be adults, are an inch thorses. And, as we find them of all intermediate fires, booth the

[•] This animal has full black eyes; its head, back, and fides are of a yellowith brown, mixed with flome dufty libin; the break is of an ochre colour; and the belly it whites: Its length, from the tip of the sofe to the till, is four inches and a half, and that of the tail, which is flightly covered with hair, is four inches present places of some first places of some first places.

Mus agrefis major, macrouros Gefseri; Ray, Speepf. Qual.

Mus cauda longa, fapra e fosco flavoscens, infra ex albo ciseroscens: Brisha, Pand. p. 123.

Mus domeflicus medius; Ray, Sympf, Quad. p. 218. Mus fylvaticus, cauda longa, palmis tetradažlylis, plantis pentudačlylis, corpore grifeo pilis nigris, abdomine albo; Lien. Sv. Nat. 2, Sv. Nat. 2, Sv.

Le Mulot; Beffer.

great and fmall are unquestionably the same free cies. Ignorance of this fact has, probably, led fome naturalists to make two species of them, the one called the great field-rat, and the other the field-moufe. Ray, who first fell into this blunder feems to acknowledge that he knew but one fpecies*. And though the fhort descriptions he has given of each species appear to differ, we ought not to conclude that both exist: I. Because he himfelf knew but one. 2. Because, after all the refearches I have made, I have not been able to difcover more than one kind; because Gesner, and other naturalifts, mention one species only, under the name of mus agrestis major, which they say is very common; and because Ray fays that the other kind, called mus domeflicus medius, is alfo very common: Hence, it is apparent, that none of these authors have ever seen both kinds, since they acknowledge both to be very common. 3. Because in this fingle species, individuals are found of a larger and leffer fize, this circumstance might lead them to confider the fmall as of one species, and the larger of another. Lastly, because the descriptions are too vague and inaccurate to establish a specific difference.

The ancients, indeed, mention two species, the one under the denomination of mus agressis major, the other under that of mus agressis minor. These two species are very common, and we know

* De hae specie mihi non undequaque satisfactum est; Ray,

them as well as the ancients: The first is our longnished field-moutle: The fector of is not the most denuts medius of Ray, but another animal, known by the name of the foot-tailed fieldmostly, or little field-ratt. And, as it differs both from the rat and the long-tailed field-mousle, I have given it its Italian name, compagnation

compagnol.

The long-tailed field-moufe, as I formerly remarked, lives in dry and elevated grounds. In the woods and adjacent fields they are found in vast numbers. They retire into holes among the brushwood and under the trunks of trees, where they amais ereat quantities of acorns, nuts, and beech-maft : fometimes a whole bushel is found in a fingle hole; and this hoard is not proportioned to the wants of the animal, but to the capacity of the place where it is deposited. These holes are generally more than a foot under ground. and often divided into two apartments, the one for living in along with their young, and the other for a magazine. I have frequently feen great damage done to the plantations by these animals. They carry off the new fown acorns; by following the furrow of the plough, they dig up one after another, not leaving a fingle feed. This happens chiefly in those seasons when the acorns are scarce: Not finding enough in the woods, they come in quest of them in the cultivated fields, and do not eat them on the fpot, but transport them to their holes, where they amais fuch quan-

tities, that they often corrupt. These creatures alone do more mischief in a nursery of trees than all the birds and other animals put together. The only way to prevent this damage is, to lay traps at ten paces afunder through the extent of the fown ground. No other apparatus is necessary than a roafted walnut placed under a flat ftone, fupported by a flick. The animals come to eat the walnut, which they prefer to acorns; and, as the walnut is fixed to the flick, whenever they touch it, the stone falls and crushes them to death. I have used the same expedient for the destruction of the short-tailed field-mouse, which likewise deftrovs acorns. When I began this operation, I defired all the mice that were caught by the traps to be brought to me, and found, with aftonishment, that above 100 were taken each day, from a piece of ground confifting only of about 40 French arpents. From the 15th of November to the 8th of December, above 2000 were flain in this manner. Their numbers gradually decreafed till the frost became fevere, when they retire to their holes, and feed upon the magazines they have collected. It is more than 20 years fince I made this trial, which I always repeated when I fowed tree-feeds, and never failed to catch vaft quantities of these mice. They abound chiefly in autumn : their numbers being much less in the foring: For, if provisions fail during the winter, the ftrong devour the weak. The long-tailed field mice likewife eat the fhort-tailed species, and

even thrushes, blackbirds, and other birds which they find entangled in fnares. They first eat the brain, and then the rest of the body. I once kept a dozen of these mice in a cage, and furnished them with food every morning at eight o'clock. One day they were neglected for about a quarter of an hour, when one of their number was eaten up by the reft; next day another fuffered the fame fate; and, in a few days, one only remained: All the others had been killed, and partly devoured; and even the furvivor himfelf had his feet and tail mutilated.

FIELD-MOUSE.

The rat is very prolific; but the long-tailed field-mouse is more so. The latter brings forth more than once a-year, and the litters often confift of nine or ten, while those of the rat never exceed five or fix. In one hole I have found two mothers and twenty young. This animal is very generally diffused over Europe. It is found in Sweden, and is called by Linnæus* mus cauda longa, corpore nigro flavescente, abdomine albo. It is very common in France, Italy, and Switzerland: Gefner calls it mus agreftis major +. The species is also numerous in Germany and in Britain, where it is called the field-moufe. It has for enemies, wolves, foxes, weafels, birds of prey, and its own species.

+ Gefner, Quad. p. 733. Icon. Quad. p. 116.