The ISATIS, or ARCTIC DOG .

If a number of refemblances, joined to a perfect conformity of internal parts, were fatficient to conflittue unity of species, the welf, the fox, and the dog, would form but one; for the refemblances are more numerous than the differences, and the fimilarity of the internal parts is complete. These three animals, bow-

Artific dag with a flary nofer finett rounded ears, similarly that for judge and fit halp, finements would; a fore legal two covered on all parts, like that of a large, and judge and the hard of a large, and it has that of the common fors, and more body. The second of a body gray, or aftic colour; and fineralizes which gray or aftic colour; and fineralizes with a large of the gray are black before they come to materity. The second was much longer in winter than finumer, as is seful with animal of add climates 1 [Possions*, Possion*, Gray 6.7, §15].

Hairs, the same given by Gmelin to this animal; it is called Polici in the Ruffian language; Veyage de Gmelin, ten. ii.

Vulpes alba; Vulpes cracigera; Aldrev. de Quad. Digit. p. 221.

Canis hieme alba, æflate ex cinerco cærelefoens; Briffin. Quel.
174.
Fox; Marten's Spitflerg. p. 100. Egude Greenl. p. 62. Crans

Greed, vol. 5. p. 72.

Aften-coloured fox; Schoffer, Lapland, p. 135.

Canis lagopus, cauda recta, apice concolore; Live. Syl. No.

Fial racka; Fann. Succ. No. 8. Bahus; Kalm, 5, 216.

Ifatis; Nov. Gom. Petrop. tem. v. p. 353.

ever, not only conflictuc three diffind species, but are for diffrant from each period in the intermediate species. The jackal is an interincelluse species between the dog and wolf 1 and the lifta in placed between the so and degrited that has hitherto been regarded as a variety of the fox. But the description given of it by Gmalin demonstrates it to be a different fracies.

The ifatis is common in all the northern regions bordering on the frozen fea, and is never found on this fide of the 69th degree of latimde. In the figure of the body, and the length of the tail, he is perfectly fimilar to the fox; but his head has a greater refemblance to that of the dog. His hair is fofter than that of the common fox, and his fur is fometimes white, and fometimes of a bluish ash-colour. The head is short in proportion to the body; it is broad near the neck, and is terminated by a fharp muzzle. The ears are almost round. He has five toes and five claws on the fore-feet, and only four on those behind. The penis of the male is fearcely fo thick as a goofe quill. The tefficles are as large as almonds, and are fo concealed with the hair, that it is difficult to perceive them. The hair over the whole body is about two inches long, fmooth, bufhy, and foft as wool. The nostrils and under lip are naked, and the fkin of these parts is black.

In both male and female, the ffomach, vikers, inteflines, and spermatic vessels, are similar to those of the dog: There is even a bone in the penis of the male, and the whole skeleton refembles that of a fox.

The voice of the fifth partales of the barting of a day, and the yelping of a fox. The cheat who deal in furn diffuguilly Two kinds of faith, the one white, and the other of a blash ath-colour. The latter are mod telemed, and their price advances in proportion to their blash of the cheat of the blash of the cheat of the cheat of browneds. This difference of closer is not fulficient to conflicte a difference of prices for M. Omella was affirred by the most experience do that the cheat of the che

The lists is an animal poculiar to the most, era regions. He prefers the coals of the foxzea fea, and the banks of the rivers which did not it. He loves open countries, and more frequents the woods. He is found in the code and most hack ommunities of Norwey, Lapland, Siberia, and Iceland *. Thefe minush copians in the month of March's and, their organs of generation being formed like thisfe of the day. they feafon lafts fifteen days, or three weeks, during which they are always in the open air ; and afterwards they retire to their holes, which are narrow, very deep, and have feveral entries; They keep their holes clean, and make beds of mofs in them. The time of gestation, like that of the bitch, is about nine weeks. The females bring forth about the end of June or beginning of May, and generally produce fix, feven, or eight at a litter *. Those which are to be white, are yellowish at birth, and those which are to be of a bluish ash-colour, are blackish, and their bair is then very thort. The mother fuckles and attends them in the hole during five or fix weeks; after which, the makes them go out, and brings them victuals. In the month of September, their hair is more than half an inchloog. At this period, those which are to be white, are almost entirely fo, except a brown band along the back, and another across the thoulders. It is then that the ifatis is called the ersfr-fox *. But this brown crofs difappears before winter, when they are entirely white, and their hair more than two inches in length. About the month of May, the hair begins to fall

ARCTIC DOG

M. Gmellit fays, from the tellimony of hunters, that thefe nimals femrimes produce twenty or twenty-five at one litter.
 But his fat is extremely fedjictions.
 From this circumflance, it is probable that the outper cracigors

of Gefact, Icon. Quad. p. 190. and of Rzaczinski, Hist. Nat. Ph. p. 231. is the same animal with the isatis.

off, and the moulting is finished in July : Hence the fur is good in winter only.

The ifatis lives upon rats, hares, and birds: and, in feizing them, he uses as much address as the fox. He fwims across lakes in quest of the nefts of ducks and of geefe, and eats the eggs and the young. In these cold and defert regions, he has no enemy but the glutton, who lies in ambush for him.

As the wolf, the fox, the glutton, and the other animals which inhabit the northern regions of Europe and Afia, have paffed from the one continent to the other, and are found in America, the ifatis ought likewife to be found there : and I prefume, that the filver-gray fox of North America, of which Catefby * has given a figure, is the ifatis, and not a fimple variety. of the fox.

SUPPLEMENT.

IN a letter from London, dated the 19th day of February 1768, Mr. Colinfon communicates the following notice :

' My friend M. Paul Demidoff, a Ruffian, who ' is an admirer of your works, fends you a draw-" ing of an undefcribed animal, called Coffac. It

* Nat. Hift. of Carolina, tom. ii. fig. p. 78:



TRATTS.

east brought from the vall deferts of Tattary, fraunch between the rivers [aick, Emba, and the forces of the Irith. These coffice are for punctions in the part of the country, that the part of the country, that the faints to Creation and Tattar transport annually 50,000 of their chairs to Creation they are earlied to Siberia and Turkey. From the point of the muzzle to the origin of the tail, this valued is about one foot and eight inches in clerch; and bit tail is rein inches long.

The fhape of the head, the mild afpect, and the barking of this animal, feem to bring him heart ot he dog. His tail, however, and his fine foft fur, make him approach the fox. His blood is ardent, and his breath has a difagreeable dour, like that of the jackal and wolf.

From the drawing, and fill more from the fhort descriptions of M. Demidoff and M. Gmelin, this animal appears to be the isatis; and, for that reason, I have caused it to be engraven.