to his mate he bends his body into a horizontal position walking towards her, suddenly throws out these brilliant ministure winns, their brilliant crimson cole contrasting conspicuously with the blackness of the rest of

Mandarin and Carolina Ducks.

"Of all the 'fancy' waterfowl which are known to aviculturists none will ever be so popular as these two extravigantly
culturists none will ever be so popular as these two extravigantly
culturists none will ever be so popular as these two extravigantly
culturists none will ever be so popular as these two extravigantly
colour and first-rate condition, with its richly coloured crest and
upstanding wing fans. It is a truly extraordinary bird, and
clocks Chinese every inch of it. The American Carolina drake,
atthough not possessing the remarkable fans of the mandaries,
is, if anything, even richer in colour than its congener. Just
at present there is a flock of just about 100 mandarins and
Carolinas in the Gardens prior to their shell of the mandarins
at present there is a flock of just about 100 mandarins and
carolinas in the Gardens prior to their shell on Europe,
and they present a spectacle well worth seeing. One can well
understand taking the Chinese mandarin duck to the United
States, but the shipment of the Carolina or "wood duck" back
to its native habitat savours somewhat of carting coals to
Newcastle. But the fact is the bird is becoming rare in a wild
state, and in capitivit is commoner here than there. Hence it
is worth while taking over for a change of blood."

R. I. Poccox.

WINTER HAUNTS OF RAPTORIAL BIRDS.

A LTHOUGH THE LARGER BIRDS OF PREY are visibly diminishing the property of ter or more closed doors and empty bronning on its there are more closed doors and empty bronning on its expect of find; and there is no great pleasure in finding on its expect of find; and there is no great pleasure in finding on its expect of the couple of hundre not even possible to venture far up the hills to explore it ing crags that reveal now and again through a strong glatences of occasional bird life, but one may see a few rave buzzards that are left to the hills and on rare occasions wate splendid flight of the peregrine falcon, in many aspects the set our raptorial birds.

In Cumberland recently I watched for some time the slow ry flight of two ravens over the snow caps and just under thus, though it was not easy to guess what they hoped to find it close scrutiny of that high ground. At this season, where close the couple is the close scrutiny of that high ground at the season where the snow caps and there is little close scrutiny of that high ground. At this season, where the snow caps and there is the close scrutiny of that high ground.

quarrelling will certainly cassus, amongs, aware of the other's strength. Ravens will drive peregrines it they have been well established before the arrival of the while, on the other hand, if the peregrines have had time to while, on the other hand, if the peregrines have had time to did not of armed neutrality leads to many a strange scene, nate is the man who witnesses one.

re is one tragedy of the hillside of which the raven alone takes liest advantage. It comes in the early spring when some liest advantage. It comes in the early spring when some liest advantage. It comes in the early spring when some its of the mountain sheep to jump down on to it anfortunate animal, having eaten all the grass, is unable to a to safety for it lacks the courage to take the necessary g. So it remains until, not only the grass, but the roots themselve the other than the courage to the step to the containt of th

UNICORN SHEEP.

Sin—As I am responsible for the suggestor that the unicorn seep is an artificial product. I should it is to ask Mr Pocock low sheep which has two distinct cores to the horn and two sheaths in be called a unicorn? At the time that I first expressed an inion on the subject, now some years ago, I was given to underaid by men of selence, who have since changed their minds, not be supported by men of selence, who have since changed their minds, re. My suggestion to Mr Lydekler we found to have a single re. My suggestion to Mr Lydekler we found to have a single re. My suggestion to Mr Lydekler with the horns growing see together, or that they have a bred with the horns growing see together, or that they have a bred with the horns growing see together, or that they have a bred with the horns growing see together, or that they have a bred with the horns growing see together, or that they have a bred with the horns growing see together, or that they have a bred with the horns growing see together, or the two sheeth have a ronger strain of the unicorn in each generation. The ram died os soon to allow of the results being considered conclusive.

M. Bedder St. M. M. Bedder St. M. M. Bedder St. M. M. Bedder St. M. M. Bedder M

THE MOBILITY OF RHINOCEROS HORNS.
Sin.—In reference to Mr Pocock's interesting observation on this
abject, I would remark that the bellef in the mobility of the
orns of rhinoceroses is a very ancient one. Unfortunately, I can
t give an original reference, but the following quotation from
age 153 of James Greenwood's Wild Sports of the World, London,
852, will serve the purpose:
Concerning the horns of the rhinoceros, there exist many curious superliouss, one being that when the animal is undisturbed by man and at

Although Greenwood was incorrect in his suggestion that the orn rests on a base of muscle, he has the nerit of being the six to point out what Mr Poccele's observations show to be the use explanation of the old story. Possibly the original legend ay be found in Topsell's Four-footed Beats, to which I have at e time of writing no means of referring.

Another passage bearing on the subject occurs in Burchell's wates in the Interior of Southern Africa, 1822-24 (vol. 11., p. 76) and the beat of the time of the subject occurs in the subject occurs in the interior of Southern Africa, 1822-24 (vol. 11., p. 76) and the subject to the hinaccest gives from the skin coly, in the same as the lati-a circumstance which entirely divers of improbability searches of its counciliance being one looks divinced by no monas as

see as some writers have supposed. Nor is at all extraordinary that the incerces should possess the power of moving it to a certain degree, since hog, to which, in the natural arrangement, its co-closely approaches, has a sch greater power of moving its bristles, which if concreted would form a rio of the same nature.

NOTES AND QUERIES ON NATURAL HISTORY.

EARLY BREEDING OF WILD DUCK.—I found the nest
of pure-bred wild ducks (Anas beezs) here, containing ten eggs,
on Jan. 22. Unfortunately, both duck and drake were shot before
the nest was discovered.—WILLIAM E. D. WINTON (BURYASH,

Cussex).

LARGE WASPS NEST,—I send a photograph of a wonderful wasps nest which was taken last summer at Warwick. It was discovered under an old thatched roof in Mill-street, and, after the destruction of the immates, was cut carefully away from its attachment, and photographed forthwith. The dimensions were as follows: Circumference, 6ft.; diameter, 2lin.; depth, 14in. It contained fifteen tiers of cells.—Autriuc W. Tew.

contained affecen tiers of ceils—ARFUGR W. LEW.

LITTLE AUK AT MELROSE.—The bird sent with this was
found here alive on Jan. 20, but died the next day. I shall be glad
if you will say what it is, and whether it is a rarebird to have been
found so far inland—forty miles from the sea—T. J. S. Rousers

(Dyrgrange, Melrose). [The bird received is a little auk, not
along way inland after stormy weather at sea—End

a long way inland after stormy weather at sea.—b.d.

LOCAL MOVEMENTS OF BIRDS.—With reference to Mr P.

Fountain's notes in the Field for Jan. 6 (p. 49) under this heading, it would be interesting to know how the house martins mentioned were marked, and how they were recognised on their return in the following year, I hope that Mr Fountain will provide this information, as the observations are of great interest. It is not quite clear whether all the birds mentioned as having been marked in the years 190-60 were house martins, or whether any of them were swallows.—II F. Wituking.

HARD THE SWALLOWS.—II. F. WITHERBY.

EARLY FOX CUBS.—While shooting at Aldermaston Court on aturaly last, Jan. 29, a litter of eight cubs, apparently about ree days old, was found. This is surely a large litter as well as twey early one—Charless Transa, Major (Newbury). [In the idd of April 36, 1910, we reported the discovery by a German prester at Heldau of a litter of ten fox cubs. As they were a very well lot he concluded that they belonged to one litter. In

eggs, but four or five is the usual number.—En.]

SCARCITY OF SQUIRREGO IN WEST NORFOLK.—I shoullike to know if readers in other parts of England have noticed the carcity—even total absence—of squirrels. In West Norfol where we generally see them in the grounds and woods, we home all last summer, and neighbours whose attention has becalled to the fact have invariably replied that "they had not see and accorase during the water of 1910-11 may have resulted starvation to the squirrels. Perhaps your readers can throw son light on the subject.—C. H. C. [Another correspondent he reported a scarcity of squirrels last year in Nottinghamshire. Et.]

RHINOCEROS HORN.—With reference to the remarkable rhinoceros horn figured in your issue of Jan. 20, we may say that we have a fine specimen which we take to be a horn of Rhinoceros simus from the description given—length 4fm, circumference at base 24 im, weight 18b. This horn was sent to us many years as was shot we have no means of knowing. We have also a walking-stick made from a single piece of rhinoceros horn which is 46 im, long, and is, we believe, unique in having no black toolour in it from end to end, whereas every other horn that we have seen is black for the greater part of its length.—Swains and Adensy (185, Fiecadilly, W.).

SS, Piccadilly, W.).

DOG CATCHING MOLE.—Mr C. J. Cawood's letter on this subcer reminds me of a white bull terrier bitch I possessed some ears ago in Suffolk, where moles are, or were, far too abundant then she came near a mole heap she would always walk letters and it the mole happened to be turning up more earth as the letter of the state of the mole happened to be turning up more earth state the mole began pushing up earth, down went paw and ose together, and in most cases up came the mole. Having lifed the mole with one nip, she always rolled on it. Mice she rould catch and eat at once. Rats she gripped by the shoulder and dropped them dead. Rabbits in a trap or same she would a continue of the shoulder that the she would catch and eat at once. Rats she gripped by the shoulder the theory of the mode and the shoulder that the shoulder the theory of the mode and the shoulder of the shoulder the theory of the she would the shoulder of the should be should be

HHE EAR OF THE APRICAN ELEPHANT—I have has creat arguments about the direction of the inner folic of the ear card arguments about the office into a fine the result of the card arguments about the other card arguments. It was been told that in this particular specimen it was possible that the fold could have been directed forward in the ganimal. My reply to this was then it is an abnormality, low of no mammal with this lobe directed outwardly or backward to the control of the contro

German Emigrants for Australia.—A party of betwee 250 and 300 German emigrants—filty-five families in all-will shortly arrive in Queensland, and will settle on farm will shortly arrive in Queensland, and will settle on farm Gayndah district. They at almolowen and Lochaber, in the Gayndah district. They are distributed in the Gayndah district. They are the contract of Gayndah district. They have powed themselve and they are the contract of Germans to Queensland. In many parts of Large number of Germans to Queensland. In many parts of Australia there are flourishing colonies of German settler-notably along the river Murray. They have proved themselve growth of the contract of the very best order, reports the Higherman of the contract of the very best order, reports the Higherman of the contract of the very best order, reports the Higherman of the contract of the very best order, reports the Higherman of the contract of the contrac

to their adopted land.

seat Yield of New South Wales.— Although present
tos indicate that there will be a considerable chrink
in the Australian wheat yield this seamed
set, figures received by the Agent-General for Nonemarce
set, figures received by the Agent-General for Nonemarce
show that the contribution of the wheat growing prome
mora in that State will be heavier than last season's. In
wilmons, Stockinhingal, and Springdale districts of the
nece as much as 40 bushels per acre is being bagged or
red land. At Beckom one farmer is harvesting 13b long
bushels) of fine quality wheat. In the Barellan district
are some sceedingly fine crops, going as high as about

So bushels per acre.

White Labour in the Tropics.— The Royal Commission of Inquiry into the Australian Sugar Industry, which, in mow touring Queensland, is taking some interesting evidence concerning not only the stability of the industry itself, but also the conditions of life generally of workers in the tropical districts where the cane is grown. Sugar growers, when asked the prevalent impression of North Queensland was also that the prevalent impression of North Queensland was also the provided due care is taken, and that women and young children can live there are taken, and that women and young children can live there are commissioner for this provided due care is taken, and that women and young children can live there are commissioner for the provided of a statement issued by the High Commission is finding that the best evidence for the industry is the general domand for more land and for more mills. The sugar growers seemed convinced of the possibilities of a permanent white cettlement, especially if the Queensland Government built rathers, which is the descendand Government built are largely available.