cavities of the vesicular parts of the rock were often filled by calcite or hæmatite.

The apparent absence of any cone or tuff deposit, the com-pact and columnar structure of the rock, and the vertical position of the columns, seemed to show that the whole had been originally one continuous sheet of submarine lava-streams, which had been subsequently elevated and cut up by the waves into the several islands-a conclusion which was supported by two other circumstances : the form of the islands and the shallow intervening depths (6 to 9 fathoms).

It is noteworthy that several of the islands sloped away gradually west-south-west to south-west, a direction coinciding with that of the submarine slope in this part of the Formosa Channel. From this circumstance it would seem that the succession of lava-streams flowed in a south-west direction, and that their source lay in the north-east portion of the group

II. B. GUPPY 17, Woodlane, Falmouth, April 11

A New Bird in Natal

SOME months ago, Mr. Fereirra, a member of my congrega tion, informed me that he had shot some time previously a bird in the early morning which neither he nor any of his neighbours had seen before. From his description of it I concluded that it probably belonged to the goat-suckers, and on examination of the skin I find that the supposition is correct.

A day or two ago he brought the skin to me : it had been stretched against the wall of bis room to display its plumage to the greatest advantage. The measurements which I give cannot therefore be perfectly accurate. One of its long plumes has been broken by a pellet, but otherwise the skin is in tolerably good preservation, and I trust that it may be well stuffed and Set up, for the bird is certainly not mentioned in the first edition of Layard's "Birds of South Africa," nor yet in any of the books or catalogues in my possession, and the bird is in itself so very remarkable that one cannot help thinking that it would have been described in the books I have had it been known. I will deposit the skin in the Natal Museum, Pietermaritzburg. The bill is that of a goat-sucker, strongly fenced with strong hairs. The length of the body from tip of the bill to the inserhairs. The length of the body from tip of the bill to the insertion of the tail is 6 inches; length from tip of bill to tip of tail 112 inches; length between tips of wings-probably stretched too much-24 inches.

The colour is the usual brown of the family—bars on the tail of brown black, and mottled bars of light and dark brown; feathers, eight in number, the longest on the outside of the tail. Wings : Primarize, 9 in number. Length of the 1st feather 71 inches

mgo. x mano, 9 m namber,	L.			
Length of the 1st feather, $7\frac{1}{2}$ inches.				
,, 2nd ,, about an inch shorter.	ļ			
,, 3rd ,, shorter than second ; the fol-				
lowing three about the same length as the 3rd.				
Length of the 7th feather 74 inches				

Length of the 7th feather, $7\frac{1}{2}$ inches.

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oth		275	

The first seven of the primarize arc tipped with white, the 2nd and 3rd rather broadly, the 1st scarcely. The 8th becomes greyish towards the tip, and the ribs of the 7th and 8th are brown, while the others are black. Two-thirds of the length of these fathers are black but a band of white means and the set of the set these feathers are black; but a band of white, narrower on the first and increasing to about 3 inches broad on the 8th feather, extends along the roots and middle of them, and crosses over to the 9th long feather, which, for 21 or 22 inches, is of a dullish silver-gray. The secondariæ are tipped with white, with the exception of the 1st and 2nd, which only give indications of being so; they are generally black-brown, with markings of light brown. There is a reddish ring around lower back part of the neck.

The breast is light gray, generally with light brown markings in bands.

Its feet are those of a goat-sucker, but on comparing the foot of the Cuprimulgus europæus, as drawn by Van der Hoeven (vol. ii. plate 7, Fig. 9, ed. 1858) I find the teeth of the comb of the middle toe much broader and stouter than that of the former. There are only four teeth, with a smaller or false one at the root of the nail. The length of the nail is about one-cighth of an inch, and the breadth of tooth is therefore about one-sixteenth of an inch.

This bird is evidently very closely related to the pennant-winged night jar, or long-shafted goat-sucker (Macrodipteryx africanus); but the markings are very different, and the long-shafted feathers

are not more than 17 inches long, while those of this bird are more than 27 inches in length, and they do not display any inclination to form a long naked shaft, but are clothed or webbed

on both sides from the root to the tip. It is very singular that this bird should only have become known in this district in 1884. The farmers are close observers, as also are the Kaffirs, but no one has ever seen it. It is the more singular since it was shot on a farm that has been long occupied, and that by a farmer who in his younger days was accustomed to help collectors of birds for our European museums. Perhaps the long and severe droughts, said to pre-Natal. JAMES to the interior, may account for its presence in Natal. JAMES TURNBULL

Pastorie, Grey Town, Natal, March 2

C. T. E. VON SIEBOLD

CARL THEODOR ERNST VON SIEBOLD was born at Würzburg, in Bavaria, on February 16, 1804. His brother was the well-known traveller and philologist. Carl was brought up chiefly, under the superintendence of his father, for the medical profession, and he carried on a practice for a few years as a physician at Heilsberg and Königsberg. In 1835 he received the appointment of Master of the Lying-in Hospital at Dantzic. Early in his life he showed an interest in zoology, and in 1840 he removed from Dantzic to Erlangen, where he taught comparative anatomy, zoology, and veterinary medicine. In 1845 he was appointed Professor of Zoology at Fri-burg, and shortly afterwards he made a prolonged sojourn on the Adriatic. At this time he worked with immense zeal and ardour at the anatomy of the marine invertebrates, and as the result of this work and his lectures combined he commenced the elaboration of his well-known "Lehrbuch der vergleichenden Anatomie der Wirbellosen Thiere." In his preface to this work, which has been translated into English and French, he insisted on the importance of a knowledge not only of the minute anatomy but also of the developmental stages of the forms described. Generous aid in the completion of this at the time most excellent treatise was given to him by C. Vogt, H. Stannius, A. Krohn, H. Koch, and A. Kölliker, and in 1849 he founded, in connection with the last-named of these eminent biologists, the Zeitschrift für wissenschaftliche Zoologie, a journal which has ever held a leading position among the scientific publications of our day, and one which is still known and esteemed wherever zoology is studied.

In 1850 von Siebold was appointed to the Professorship of Physiology in the University of Breslau, and also received the charge of the Physiological Institute of that city.

In 1853 he was appointed Professor of Zoology and Comparative Anatomy in the University of Munich, and Director of the Zoological and Zootomical Cabinet in that These positions he filled during the remainder of city. his life.

Shortly after his appointment to the Munich Professorship he commenced an elaborate series of investigations into the vexed question of "Parthenogenesis," entering on the subject with a belief that facts had been misunderstood; and his treatise on this phenomenon, as found by him to actually exist in bees and moths, was a genuine contribution to science. This work was published at Leipzig early in 1856, and was translated by Mr. Dallas the following year into English.

Somewhat earlier in date he published a memoir on "Tape and Cystic Worms, with an introduction on the Origin of Intestinal Worms," which was deemed worthy of being translated into English, by Prof. Huxley, for the New Sydenham Society. The good that this translation effected by introducing some scientific facts to the notice of our medical men it is not easy to calculate.

In 1858 the Royal Society elected him as one of their honorary members. In 1867 he was made a correspond-