next day and the day after, another each day; and all will be different species. Quadrapeds or snakes are seldom seen, but lizards are everywhere met with: and sometimes you get to toises, tree-trogs, &c. Insects, like bads, do not turn up in swarms of one species; for instance, you take a dozen longicous one day, and they are sure to be of et. In or ten distinct species. One year of daily work is scarcely sufficient to get the majority of species in a district of two miles' circuit.

"Such is the scene of my present lubours; and all the rest of the Amaz mis similar, though less rich; the river Tapajos alone differing, being a mountainous country. Having thus my work at hand, I will tell you how I proceed. My house is in the centre of the town, but even thus only a few minutes' walk from the edge of the forest. I keep an old and a young servant, on whom I rely for getting eatables and preparing my meals, so as to leave me unembarrassed to devote all my thoughts to my work. Between nine and ten a. m. I prepare for the woods; a coloured shirt, pair of trousers, pair of common boots, and an old felt hat, are all my clothing; over my left shoulder slings my double-barrelled gun, loaded, one with No. 10, one with No. 4 shot. In my right hand I take my net, on my lest side is suspended a leathern bag with two pockets, one for my insect-box, the other for powder and two sorts of shot; on my right side hangs my "game-bug," ornamental affair, with red leather trappings and thongs to hang lizards, snakes, frozs, or large birds. One small pocket in this bag contains my caps; another, papers for wrapping up the delicate birds; others for wads, cotton, box of powdered plaster; and a box with damied cork for the Micro Lepidoptera; to my shirt is pinned my pin-cushion, with six sizes of pins. A few minutes after entering the edge of the forest, I arrive in the heart of the wilderness; before me nothing but forest for hundreds of mi.es. Many butterflies are found on the sk rts of the forest; in the midst of numbers flutting about, I soon distinguish the one I want-often a new one-Erycinide, Hesperia, Thecla, or what not. Colcoptera you see nothing fine of at first; a few minute Haltica on the leaves, or small Curculios, or Eumolpi. When you come to the neighborhood of a newly-fallen tree, is soon enough to hunt closely for them; not only wood eating species, but all kinds seem to congregate there; Agras and Lebias in the folded leaves, grand Cassidie, and Erotyli, Rutelw, or Melolouthids, Gymnetis, &c.; often a Ctenostoma running along some slender twig. It requires a certain kind of weather for Coleoptera, and some days all seem to be absent at once.

"Whilst I am about these things, I often hear the noise of birds above—pretty tanagers, or what not. You cannot see the colours of red, cobat-blue, or beryl-gicen, when they are up in the trees; and it takes months of experience to know your bird. I have sometimes shot at small, obscure-looking birds up the trees, and when they have

fullen, have been dazzled by their exquisite beauty.

"I waik about a mile straight ahead, lingering in rich spots, and diverging often. It is generally near two p. m. when I reach home, thorough y tired. I get dinner, lie in hammock a while reading, then commence preparing my captives, &c.; this generally takes me till five p. m. In the evening I take tea, write and read, but generally in bed by nine."

Africa is the land of wild beasts. The grandest forms of the terrestrial creation have their habitation in that continent. The elephant, the hippopotamus; several different sorts of thinoceros, the zebra, the quagga, the graffe; multitudes of antelopes, some of them of colossal dimensions; the buffalo; the gorilla, the chimpanzee, the mandril, and other baboons and monkeys; the lion, the panther, the leopard;—these are only the more prominent of the quadrupeds which roam the prains and woods of Africa.

It is highly probable that an animal of ancient renown, and one in which England has (or ought to have) a peculiar interest, resides in the region just indicated. I refer to one of the supporters of Britain's shield, the famed Unicorn. We may not, to be sure, find him exactly what the heraldic artists delight to represent him—a sort of mongrel between a deer and a horse, with cloven hoofs, a tuft-tipped tail, and a horn sairally twisted to a point; but there may be the original of the traditionary postrait of which the is the gradually corrupted con-

the traditionary postrait of which this is the gradually corrupted copy.

Dr. And w Smith, an able and sober zoologist, who has investigated with much enterprise and success the zoology of South Afica, has collected a good deal of information about a one-horned animal which is yet unknown to Europeans, and which appears to occupy an inte mediate rank between the massive rhinoceros and the lighter form of the hoise. Cavassi, cited by Labat, heard of such a beast in Congo under the name of Abada; and Ruppel mentions it as commonly spoken of in Kordofan, where it is called Nillekma, and sometimes Arase—that is unicorn. Mr. Freeman, the excellent missionary whose name is so intimately connected with Madagascar, received the most particular accounts of the creature from an intelligent native of a region lying northward from Mozambique. According to this witness, an animal called the Ndzoodzoo is by no means raro in Makooa. It

is about the size of a horse, extremely fleet and strong. A single horn projects from its forehead from two feet to two and a half feet in length. This is said to be flexible when the animal is asleep, and can be curled up at pleusure, like an elephant's proboscis; but it becomes stiff and hand under the excitement of tage. It is extremely fierce, invariably attacking a man whenever it discerns him. The device adopted by the natives to escape from its fury, is to climb a thick and tail tree out of sight. If the enraged animal ceases to see his enemy, he presently gattops away; but, it he catches sight of the fugitive m a tree, he instantly commences an attack on the tree with his frontal horn, boring and ripping it till he brings it down, when the wretched man is presently gold to death. If the tree is not very bulky, the perseverance of the creature usually succeeds in overturning it. His fury spends itself in goring and mangling the carcase, as he never attempts to devour it. The lemale is altogether without a horn.

Almost as little known as the heart of Africa are the depths of ocean. The eye penetrates in the clear crystalline sea a few fathoms down, and beholds mailed and ghttering forms flitting by; the dredge gathers its scrapings; divers plunge out of sight, and bring up pearls; and the sounding-lead goes down, down, down, hundreds of fathoms, and when it comes up, we gaze with eager eyes to see what adheres to the tallow "arming;" the tiny shells, the frustules of diatoms, even the atoms of coral sand,—curious to learn what is at the bottom of the deep. But, after all, it is much like the brick which the Greek

fool carried about as a sample of the house he had to let.

Who can penetrate into the depths of the ocean to trace the arrowy course of the mained and glittering beings that shoot along like animated beams of light? Who can follow them to their rocky beds and coral caverns? The wandering mainer sees with interested curiosity the flying-fishes leaping in flocks from the water, and the enger bonito reshing after them in swift pursuit; but who can tell what the flying-fish is doing when not pursued, or how the bonito is engaged when the prey is not before him? How many pleasing traits of conjugal or parental attachment the waves of the fathomless sea may conceal, we know not: what ingenious devices for self-protection; what structures for the concealment of eggs or offspring; what arts of attack and defence; what mancavings and stratagems; what varied exhibitions of sagacity, forethought, and care; what singular developments of instine?—who shall tell?

The aquarium has, indeed, already enlarged our acquaintance with the curious creatures that inhabit the waters; and not a few examples of those habits and instructs that constitute animal biography, have by this means been brought to light. Much more will doubtless be tearned by the same instrumentarity; but there will still remain secrets which the aquarium will be powerless to resolve. From its very rature it can deal only with the small, and those which are content with little liberty; for the multitude of large, unwieldy, swift-finned races, which shoot athwart the deep, and for the countiess hosts of tiny chings, to whose organisation even the confinement of a vessel is speedy death, we must find some other device before we can cultivate acquaintance

with them.

It is true, we can put together a goodly number of individual objects, which various accidents have from time to time revealed to us from the depths, and form them into an imaginary picture. Schleiden has done this, and a lovely delineation he has made. You have only to gaze on it to admire it: I would not abate your admiration; I admire it too:—but remember, after all, it is but a fancy sketch of the un-

known; it is only "founded on fact."

"We dive," he observes, "into the liquid crystal of the Indian Ocean, and it opens to us the most wondrous enchantments of the fairy tales of our childhood's dreams. The strangely 'tranching thickets bear living flowers. Dense masses of Meandvinas and Astres contrast with the leafy, cup-chaped expansions of the Explanarias, the various'y-ramified Madrepores, which are now spread out like fingers, now rise in trunk-like branches, and now display the most elegant array of interlacing branches. The colouring surpasses everything: vivid green alternates with brown or yellow: rich tints of purple, from pale red b. own to the deepest blue. Brilliant rosy, yellow, or peach-coloured Nullipores overgrow the decaying masses, and are themselves interwoven with the pearl-coloured plates of the Retipores, resembling the most delicate ivory carvings. Close by, wave the yellow and lilac faus, perforated like trellis-work, of the Gorgonias. The clear sand of the bottom is covered with the thousand strange forms and tints of the sea-urchins, and star-fishes. The leaf-like Flustras and Escharas adhere like mosses and lichens to the branches of the corals; the yellow, green, and purple-striped Limpets cling like monstrous cochineal insects upon their trunks. Like gigantic cactus-blossoms, sparkling in the most ardent colours, the Sea-anemones expand their crowns of tentac'es upon the broken rocks, or more modestly embellish the bottom, looking like beds of variegated ranunculuses. Around