A NATURALIST IN LA PLATA.

stretching in an illimitable sea of feathery spikes as quence. far as the eye can follow its fluctuating surface, Mr. Hudson has, with a painstaking love, watched the wild denizens of this great plain, taking affectionate with bulging and vigorous muscles on its fore legs note of the biggest and the least. His own words are with which it grasps an intruder or enemy, and, so beautiful and graphic, in which he describes the squeezing it tightly, suddenly relaxes its embrace, glorious pampas grass, that the reader feels transported to the singular and lovely scene, where it fills everything with its presence. He says: "The plant also the "venomous toad," producing a very disagreeis social, and in some places, where scarcely any other able picture. He says its "skin is of a rich brilliant kind exists, it covers large areas with a sea of fleecy white plumes. In late summer and in autumn the tints and symmetrically disposed. The lips are bright yel- the body of a small dendrocolaptine bird which, from are seen varying from the most delicate rose, tender low, the cavernous mouth pale flesh color, the throat its habit of gathering together an enormous nest of and illusive as the blush on the white under-plumage of some gulls, to purple and violaceous. At no time and about the size of a large man's fist. The eyes, does it look so perfect as in the evening, before and placed on the summit of a disproportionately large hunted for by the bird, but it possesses extraordinary after sunset, when the softened light imparts a mistiness to the crowding plumes, and the traveler cannot able of being elevated or depressed at pleasure. When almost invariably escapes capture. But when help fancying that the tints, which then seem richest, are caught from the level rays of the sun, or reflected from the colored vapors of the afterglow."

The life of these weird expanses has been studied by Mr. Hudson with diligence, and he has given to his observations a peculiar original value, for he has traced the reflections which they suggest in reference to the wider questions of animal economy and origin.

Mr. Hudson says the mammalian life of the pampas is restricted, being composed for the most part of the common rodent, the vizcacha, the Patagonian hare, the coypir, "a brown animal with bright red incisors, a rat in shape, and as large as an otter," a small, mousecalled the tuco-tuco, from its singular cry, "for all day like a succession of blows from a hammer, as if a company of gnomes were toiling far down under foot. some rude chant unheard above the surface." Besides these are found the great carnivores, the jaguar and (Cervus campestris), the male of which emits a "rank, musty odor, so powerful that when the wind blows from it the effluvium comes in nauseating gusts to the nostrils from a distance exceeding two miles," armaits oddities of habit, and a restricted batrachian and reptilian population.

Our author dwells with much fondness on the rhea, the ostrich-like tenant of these boundless prairies, brute to a kind of frenzy. Torn by conflicting emowhich has a long ancestry of extinct forms and is itself a relic of a past when its progenitors approached bering gallop, barking, howling, and bristling up his near in time to the glyptodon and megatherium. He hair; and at last, shutting his eyes, and with a yell says: "Its commanding stature gives it a wide horizon; of desperation, he charged. I fully expected to see the that no two ever touch, even with the extremity of the and its dim, pale, bluish-gray color assimilates to that enemy torn to pieces in a few seconds, but when the long wings, flapping or motionless; such a multitude, of the haze, and renders it invisible at even a moder-idog was still four or five feet from him the fatal disate distance. Its large form fades out of sight mysteriously, and the hunter strains his eyes in vain to disunavian in character and peculiar to itself. There are raised, agitated wings among the tall-plumed grasses, and calling together his scattered hens with hollow wind blowing high up in the void sky had found a

A very curious series of anecdotes are given to prove of the Christian. It has been known to leap and gamwhined in the most pitiful manner. He killed it as it to their unsuccessful fellows."

sat there unresisting before him, but after accomplish-Few books of interest to the naturalist have attracted ing the deed felt that he had committed a murder." so much favorable comment in the last year as the It seems that in California, in the earliest days of its work by Mr. Hudson, on his life and experiences on occupancy by men, the pumas increased prodigiously, these gossamer bodies in the autumn, when "the whole the La Plata, in the Argentine Republic. Here, in the because they were superstitiously regarded by the sky may be filled with visible masses of floating web." flat grass-covered pampas bordering this river and natives as friendly animals, and unmolested in conse- Among the spiders he describes a singular species of

> author describes a curious and new frog, provided itself on its intruder. He says that on one occasion, taking advantage of the surprise or prostration caused by its violent hug to effect its escape. He describes green, with chocolate colored patches, oval in form, and under surface dull white. The body is lumpy, head, are embedded in horn-like protuberances, capthe creature is undisturbed, the eyes, which are of a the birds leave the nest this wary parasite does not pale gold color, look out as from a couple of watch always accompany them, but remains behind in the the eyes completely, and giving the creature the appearof a bull dog, poisoning the blood with glandular secre-When teased it swells up most loathsomely and follows its tormenter about with clumsy jumps, its

worst enemies in the face of its suffocating discharge. 'small bird." beating on their anvils, first with strong measured He gives an illustrative anecdote. He took with him his little feet in rage, jumping up, spluttering and tions, he began to revolve about the skunk at a lumcharge came, and he dropped down as if shot dead."

Mr. Hudson enters into some suggestive speculations tinguish it on the blue expanse. Its figure and as to the blood-sucking habits of mosquitoes, bringing carriage have a quaint, majestic grace, somewhat out forcibly the inexplicable anomaly of a parasitical insect subsisting, for the most of its time, and in the few more strangely fascinating sights in nature than great majority of its representatives, upon water or vegthat of the old black-necked cock bird, standing with etable juices, and yet possessing the most remarkably tudinizing efforts of the spur-winged lapwings. perfected apparatus for perforating and extracting the blood of flesh. He says "there is not in all organic boomings and long, mysterious suspirations, as if a nature, to my mind, any instance of wasted energy comparable in magnitude with the mosquito's thirst for blood, and the instincts and elaborate blood-its healthy companions, succumbing to its last sickness pumping apparatus with which it is related." It seems in a sort of dismal yet poetic isolation. Darwin and the inexplicable friendliness exhibited for man by the irresistibly forced upon our acceptance that, from an Fitzroy have noted this strange custom, and Mr. puma, the agile and remorseless panther who destroys evolutionary point of view, we must regard the mos- Hudson dwells at some length upon its unique sugthe deer, the horse and huanaco, ravages the sheep quito as an insect that has changed its habit, and yet gestions. "It looks, in fact," he says, "less like an folds and faces with success the powerful but sluggish retains an appetite correlated with a highly organized instinct of one of the inferior creatures than the superjaguar. This dangerous beast seems touched in the implement for feeding it, which are an inheritance from stitious observance of human beings, who have knowpresence of man with a strange humility, and this a long-distant past, when it preyed upon mammalian ledge of death, and believe in a continued existence "mysterious, gentle instinct" has secured for it the tissues solely. Mr. Hudson very strikingly remarks: after dissolution." pleasant appellation of "amigo del cristiano," or friend | "In any case, how unsatisfactory is the mosquitoes' existence, and what a curious position they occupy in rious practice with the huanaco by the assumption of bol about a defenseless traveler, purring, and winding nature! Let us suppose that, owing to some great an immense antiquity for the species, and that the inwith terrifying playfulness about his legs, and in cap- change in the conditions of the earth, rapacious birds herited habit of a far distant period, when its repretivity, if domesticated when young, it assumes the were no longer able to capture prev, and that, by a nature of a monstrous cat. Perhaps the most striking corresponding change in their organizations, they were from the assaults of their enemies, has been impressed anecdote given by Mr. Hudson in proof of his singu- able to subsist on the air they breathed, with perhaps upon the stock, so that by an automatic movement, lar assertions is the following: "A gaucho, while look- an occasional green leaf and a sip of water, and yet reing with a companion for cattle, found a puma. It tained the old craving for solid food, and the old presat up with its back against a stone, and did not datory instincts and powers undiminished; they would sought in the same blind manner. move even when his companion threw the noose of his be in the position of mosquitoes in the imago state. lasso over its neck. My informant then dismounted, And if then fifty or a hundred individuals were to sucand, drawing his knife, advanced to kill it; still the ceed every year in capturing something and making puma made no attempt to free itself from the lasso, one hearty meal, these few fortunate diners would bear but it seemed to know, he said, what was coming, for about the same proportion to all the raptors on the it began to tremble, the tears ran from its eyes, and it globe as the mosquitoes that succeed in sucking blood

The spiders of the La Plata afford interesting subiects of observation to our naturalist, and he advocates a theory of migration to explain the floating hosts of Lycosa, which is swift and most irritable, starting up In a chapter on "Curious Animal Weapons" our from its lair at the slightest approach and flinging while riding at an easy trot over the grass, he observed this spider pursuing him with rapid leaps and keeping up with the horse. He struck at the resolute little footpad with his whip, when it leaped upon the lash, ran up the handle and compelled the surprised traveler to throw whip and spider away from him.

He describes the felicitous instinct of a small parasitical fly, a species of Ornithomyia, which lives upon sticks, is popularly known among the gauchos as the firewood gatherer. This little torment is eagerly facility of swimming through the plumage of its hosts towers, but when touched on the head or menaced, the numerous lurking spots among the litter of the nest, prominences sink down to a level with the head, closing and then with the abandon of the domestic fly springs upward and "wheels about in the air above the nests, ance of being eyeless." These disgusting objects bite hovering and gamboling together, just like housesavagely and hang on to their victim with the tenacity flies in a room in summer; but always, on the appearance of the birds, returning from their feeding grounds, they instantly drop down and disappear into the nest." A curious and subtile instinct which makes big mouth wide open, and uttering an incessant croak. them fear their host upon whose tissues they are sup-Mr. Hudson devotes a chapter to the "mephitic ported! Mr. Hudson adduces a curious illustration to skunk," and empties upon its devoted head all his emphasize this singular association. "A man with a colored creature, "with a low, gurgling language, like contempt and horror. It does not assume or wear blood-sucking flat-bodied flying squirrel concealing running, babbling waters;" and an interesting animal those attractive features which Prof. Merriam, with itself among his clothing and gliding and dodging all singular eccentricity, assigns to it. He execrates its over his body with so much artifice and rapidity as to long and all night sounds its voice, resonant and loud, awful odor, and proves what an extraordinary weapon defeat all efforts made to capture it or knock it off of defense this odor is to it, and how powerless are its would be a case parallel to that of the bird fly on the

Two more subjects should be mentioned before leavstrokes, then with lighter and faster, and with a swing one day a dog of his brother's, a greedy, large brute of ing this fascinating volume. One is that of dancing and rhythm as if the little men were beating in time to force and courage, and found a skunk, and he writes, birds and the other the strange and weird habit of the "For upward of half an hour I sat on my horse vainly; huanaco of retiring to a place of seclusion, visited by cheering on my cowardly follower, and urging him to thousands of his ancestors and companions for the puma, two large cats, the grass and wood cat, two battle. The very sight of the enemy gave him a fit same purpose, wherein to die. "The terrestrial dances, canines, the "pestiferous skunk," the ruminant deer of shivers; and when the irascible little enemy began often very elaborate, of heavy birds, like those of the to advance against us, going through the performance gallinaceous kind, are represented in the more volatile by means of which he generally puts his foes to flight species by performances in the air, and these are very without resorting to malodorous measures-stamping much more beautiful; while a very large number of birds—hawks, vultures, swifts, swallows, nightjars, dilloes and opossums. There is a numerous bird life, hissing and flourishing his brush, like a warlike ban-storks, ibises, spoonbills, and gulls—circle about in the and the omnipresent and diversified insect fauna, with ner, above his head—then hardly could I restrain my air, singly or in flocks. Sometimes, in serene weather, dog from turning tail and flying home in abject terror. they rise to a vast altitude, and float about in one spot My cruel persistence was rewarded at last. Continued for an hour or longer at a stretch, showing a faint bird shouts, cheers, and hand clappings began to stir the cloud in the blue, that does not change its form, nor grow lighter and denser like a flock of starlings; but in the seeming confusion there is perfect order, and amidst many hundreds, each swift or slow gliding figure keeps its proper distance with such exactitude and such miraculous precision in the endless curving motions of all the members of it, that the spectator can lie for an hour on his back without weariness watching this mystic cloud dance in the empyrean." He describes the curious saltations of the ypecaha rails, with their vociferous concerts of wild screams; the wing displays of the iacanas and the minuet and atti-

> The huanaco, which is a small camel which is widely distributed in South America, has a peculiar instinct of repairing to some lonely, deserted spot when seized with the pangs of death, and, removed from all

Mr. Hudson is inclined to explain this almost mystesentatives resorted to some secluded place protected when sickened with disease or old age, it turns to the hidden refuge which generations of its kind have

The numerous observations of the "Naturalist in La Plata" have been barely suggested in this notice. The book will reward all its readers with entertainment L. P. G. and instruction.

IN Germany's public schools stuttering boys are over twice as numerous as stuttering girls.