

VOLCANOES

Situated in the Central Portion in the Kivu District.

Yews From a British Expedition Which Traversed Virgin Territory Peopled by Strange Carnibals.

[London Times.]

There has just returned to England one of two members of an expedition to Central Africa, partly sporting, partly exploring, of which we may expect to hear more when the other member returns. Mr. Arthur Sharp and Mr. E. S. Crogan arrived at Beira early in 1898, and after making a trial expedition into Mashonaland and the neighboring region they proceeded to Chinde, at the month of the Zambesi, with the view of getting into the heart of the continent. Starting from Chinde in October, 1898, and proceeding up the Shire to Lake Nyassa, they reached the south end of Lake Tanganyika after various delays. The Stevenson road between Lake Nyassa and Lake Tangayika was at that time in a rather than the stevenson and the south was at the time in a rather than the stevenson that the stevenson than the stevenson that the stevenson than the stevenson that the stevenson that the stevenson that the stevenson the stevens ther unsatisfactory condition, though since then, we believe, the transport service has been very much improved and the telegraph had been laid to the south end of Lake Tanganyika. While Mr. Sharp, who has just returned to England, looked after the baggage and the people forming the caravan, Mr. Grogan was able to get excellent sport on the plateau to the south of the lake. When Mr. Grogan returns to England he will, no doubt, be able to give interesting details of the numerous side excursions which he made, while Mr. Sharp kept along the main route. Some of the most interesting informations tion which Mr. Sharp has to give con-cerns the regions lying between Lake Tanganyika and Lake Albert Edward, which, so far as we are aware, he and his friend were the first to traverse

POINT OF DEPARTURE. Ujiji, on the east shore of Lake Tanganyika, in German territory, was be considered as comparatively new ground. When they arrived there it was found that the Germans had "commandeered," if we may use the term, nearly all the Arab dhows, while the only available steamer was being used by the Congo Free State officials. Mr. Sharp speaks in the highest terms of the courtesy and hospitality of the German officials whom he met on the shores of Lake Tanganyika and of Lake Kivu, to the north. They are energetic in exploring the geography and resources of their territory, the natives have a wholesome respect and lear for their authority, trade is encouraged, and in every respect their presence is beneficial. The dhows of which the German authorities at Ujiji had taken possession were to be used in case of an attack which was expected, mainly due to the utter disorganization of the country on the Congo Free State side of the boundary. There are numerous German stations all up the east shore of Lake Tanganyika, and as far north as the east shore of Lake Kivu, which, on the maps, is re-presented as within the Congo Free State limit. But Mr. Sharp saw no sign of any Congo Free State stations or officers between the middle of the Tanganyika shore and Lake Albert Edward, a distance of some 400 miles. All the country on the west of the German boundary, along the west shore of Lake Tanganyika, and north nearly to Lake Albert Edward, was overrun by cannibal hordes, who, it would seem from observations made by Mr. Grogan, had followed in the wake of the Free State forces, devastating in London.

the country and literally eating up

RELICS OF CANNIBALISM. While endeavoring to cross the lavacovered region to the north of Lake Kivu, Mr. Grogan was witness of the

relics of cannibal horrors which he describes with details which we hesitate to reproduce in these columns. It is terrible to think that all these abominations are going on under the aegis of a civilized Buropean government. Fortunately, as we said, Germany has established stations on Lake Kiyu, and we have no doubt her offi-cials will do their best to establish Lake Kivu discharges its waters in-

Lake Kivu discharges its waters into Tanganyika by the Rusisi River, which Mr. Sharp and Mr. Grogan thought they had been the first to trace and to map; but when they reached Lake Kivu they found that they had been anticipated by a German explorer, Dr. Kandt, who had been about the lake for three years explorations. about the lake for three years explor-ing, surveying and investigating its geology, its flora and its fauna in the thorough way in which Germans are in the habit of doing their work. Dr. Kandt had walked all round the lake, taking four observations every minute (of latitude and longitude, we presume), the result being that the lake is found to be a totally different shape from that which appears on our maps, and no wonder, for the only explorer who had been there before Dr. Kandt was Count Goetzen, who had only seen a few miles on the northwest. The be extremely deep, it is surrounded by lofty and precipitous shores, studded everywhere with old volcanic craters, and has numerous islands rising from its surface. The water is brackish and unpalatable, and there is abund-ance of fish, which seem to differ considerably in character from those which inhabit Lake Tanganyika. AN ACTIVE VOLCANO.

Perhaps the most remarkable fea-ture in the Kivu region is the volcanoes, which lie around it at some little distance to the north. Rising from the lofty plateau here there seem to be three main volcanic mountains, on one of which are two craters, both in a state of greater or less activity. One of these craters is distinctively active, and, according to native report, there was a violent eruption some 3 years ago. However this may be, the whole country is covered with lava, and both Mr. Sharp and Mr. Grogan, in their notes which have reached us, describe it as the most horrible and impassable country that they have ever been in a combination of broken up lava, of bush, the latter swarming with elephants which it is impossible to get at. Mr. Sharp states that the Mount Mfumbiro, which played a somewhat sentimental part in the Anglo-German boundary agreement, does

After some stay about Lake Kivu and its volcanoes, the party proceeded north to Lake Albert Edward, through a country as difficult to traverse as may be imagined, difficult throughout owing to a variety of troubles with the native porters and askaris who ac-companied them. It was found that the east shore of Lake Albert Edward is quite erroneously laid down on our maps. The old bed of the lake extends far to the east of the present shore line, in the form mainly of a swamp, on the outer margin of which Mr. Sharp reports that he saw numer-ous steam jets, or "bubbling geysers," as he calls them. In Toro, on the east of Lake Albert Edward, the travelers were in British territory. Here they parted. Mr. Sharp to return home and Mr. Grogan to make his way down the Nile to Cairo. Until Mr. Grogan returns with the maps, which, we understand, were made by the care of Mr. Sharp, and with the notes of his own side excursions, we must await a full account of the results of this interesting expedition.

A black enamel brooch containing a lock of Oliver Goldsmith's hair, for which his coffiin was specially opened, was sold for ten guineas at Christie's,

SNAKES IN DEADLY COMBAT

Methods or the Rattler and the King Snake in a Duel to the Death.

[From the Youths' Companion.1 If the rattlesnake is justly called the king of America's woods and rocks, yet his crown is not held without danger, since he is hunted diligently and suc-cessfully. His fangs are, indeed, dead-ly, and he wears a fine suit of armor, but the deer and the wild hog never fail to attack thim, and he has an ene-my of his own kind still more danger-ous to him.

Snakes may be divided into three classes, those which are venomous, the constrictors and those which are nei-ther. Unless the second of these are wonderful for their size, they secure little of our attention, and yet they are generally beautiful in colors, most graceful in action, and often among our best friends.

In Florida we have 'two constrictors

especially noticeable—the black racer, which grows to a length of twelve feet and makes a business of warring on rats and other small deer the farmer hates; and the king snake, whose mission seems to be the extermination

One day I was returning from a day's saucy and defiant as it always is, but hunt, at peace with the world and my-not longer filled with agony and ter-One day I was returning from a day's self, when I heard a squirrel scolding as if he were a ward politician the night before election. The noise he made was so foud and insistent that I made was so foud and insistent that I turned out of my way to see what could be the matter.

I found the little fellow on the trunk of a pine about ten feet from the ground, jumping about as if in convul-He would flourish his tail wildly, scold in anger, threaten an assault, run back a little way up the trunk, and then return and scold again. I looked carefully and saw that his

anger was directed at a rattlesnake that lay coiled at the foot of the tree The snake was compressed into a ball. from the middle of which its rattle sounded continuously; its blazing little eyes were fixed unchangingly upon

The buzz, buzz droned on the summer air with a sleepy effect, but the squirrel scolded in an ever ascending key. But for the hint of the squirrel's eyes I could not have located the rattler. His color and his variegated markings offered but little contrast to his surroundings. His monotone of noise was indefinte, and to sight as well as in sound, he seemed only a blur on the background of dark sand on which he

Was the squirrel only curious to satisfy himself as to the character of that until a point is reached where the area strange object, or was he hypnotized?
I have often amused myself by exciting the violent curiosity of the little animal, but never did a waving or jumping object awaken such intense and nainful emotion as the mattler all jumping object awaken such intense and painful emotion as the rattler always demands.

I knew what must follow soon; that the squirrel's cries would grow weak, that he would grow dizzy, and finally tumble from the tree, hang a moment by one claw, and then drop into the jaws of the diving death that lay in wait. I had raised my rifle to save the

lace of precious stones, and I knew the king snake claimed a victim. The newcomer was smaller than the

rattler, its ground color was a greenish gray, and the spots scintillated in the sunlight which sifted down upon the scene from the tangled branches over-

At the first rustle of its approach the rattler lost all interest in the squirrel, which ran back into the tree.

The king snake held his head high and raced round the rattler in a wide circle while the rattler tried to slink away. The king darted forward as if to attack, and the rattler threw himself into a coil. The king was again away and racing around, with a swiftness the rattler seemer unable to follow with his eye. The rattler was cowed already: his crest was lowered, his buzz, buzz was jerky and uneven, and although he presented a very different appearance from the self-confident arbiter of the woods which he had seemed when I first saw him, I could think of nothing but some human bully surprised in the act of torturing his helpess victim, and suddenly compelled to face an adversary worthy of his strength. The king snake seemed to enjoy the situation as a cat does her cruel dallying with a mouse.

Round and round went the king snake, and the rattler followed the movement till its neck was twisted. it attempted to turn the king would spring forward and it was evident that the first failure of the rattler in swiftness would be the signal for muscle to clinch with venom.

The king would race from left to right and then reverse, and if the rattler fatted to follow that would be the end of him. This happened, and I saw the king in the air, but could not catch the strike, so instantaneous was it.

There was a comfusion of flying pine needles in a cloud of white dust, and I saw that two inches of the king's

coil was about the throat of the rattler.
Over and over they went, the king's head above that of his enemy, and a curve of his body acting as a buffer to keep up the motion which enabled him to take another turn and still au-

And so the struggle continued, tili the rattler could not writhe freely, and he was held as a vine wraps a

gan to uncoil himself slowly, and at every motion of his enemy the con-strictor's folds contracted and crushed with killing effect. Even when there was only a quiver of the tail, the king still gripped the throat. It was plain he had a wholesome respect for the fangs, that were still terrible.

fangs, that were still terrible.

As a last precaution the king applied his nostrils tenderly to those of the rattler, and repeated that several times, as if to detect the faintest breath. Satisfied at last, it released its enemy, but still watched, ready to resume its

hold at the slightest sign of life.

There I left him, keeping a grim guard over the body of his vanquished foe. As I turned away, the voice of the squirrel in the tree broke out again,

SKY-SCRAPERS

The Building of the Twentieth Cen tury May Be 1,000 Feet High,

Mr. R. H. Robertson, architect of several of New York's tall buildings, writing in the New York World, says: How much higher will be the skyscraper of the twentieth century than that of the nineteenth century? So far as the work of the builder is concerned, an office structure 200x500 feet and 800 to 1,000 feet high could easily be erected.

Given unlimited capital and sufficient area, there is no limit to the height of a building, so far as engineering is concerned, but from an economic point of view a different decision would probably be reached. The higher a building within a given area the larger will the supporting columns have to be in area

elevators. The unit of pressure on the foundations need not be any greater than that exerted by the ordinary building. We would simply have to spread out the lower part of the building by means of distributing girders and grillage beams so as not to exceed the kmit of pressure which the law allittle fellow, when the tragedy was interrupted from another quarter.

Swift as light, a form raced on the stage. It was clothed in a gleaming coat of beautiful white and black spots; it shifted and shone like a neck-spots; it shifted and shone like a neck-spots and like a neck-spots; it shifted and shone like a neck-spots; it shifted and shone like a neck-spots and lik

building of 100 stories he would undertake it as a simple problem in engineering

There is almost anywhere in Manhatten an underlying stratum of rock which would afford the most solid foundation that it is posible to secure. and with sufficient capital there is no reason why story after story should not be added until the rarefication of the air compelled the builders to stop.

A KRUGER STORY.

A South African correspondent of the London Daily News says of President Kruger: "I have often enough heard him quote passages to prove his points, but his quotations have been misquotations. When I was a boy I had to learn my Bible very thoroughly, so I could tell his errors. Sir Bartle Frere found him out, too. Did you ever hear the story? When Sir Bartle Frere came down from Zululand, at the time the Transvaal was British territory, and just before the breaking out of the rebellion, he and Kruger had a conference. The men who were there tell me that at the beginning Kruger started quoting Scripture. But Sir Bartle had two texts ready for every one his, and, not content with that. Sir Bartle carefully pointed out to him how each one of his texts was misquoted, and bore quite a different meaning from that he put on it. meaning from that he put on it. Finally Kruger stopped altogether, and sat gazing in wonder at Sir Bartle's apparently unending stock of verses from the Bible."

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"Some people think that a grizzly can't run," said A. J. Daggs, of Phoenix, Ariz., who is a visitor at the national capitol. "I want to state right now that while the bear is a clumsy beast, he can cover as much ground as the average saddle horse, and a man should be sure that he has a good mount before he tries to get out of the way of one which is angry. My brother was out in the mountains of the territory among the sheep ranches one day when he saw, about two hun-dred and fifty yeards ahead of him, a big, awkward silver tip. My brother had a rifle, but he was not certain that it would kill the bear if he shot, and he did not know how a race would turn He was mounted on one of the best horses in the country, for a man

"He was pretty certain that the bear would run from him if he could once get him started in the opposite direction, and so he gave a regular cowboy yell. The bear looked up, and started shuffling off toward the mountain, about a mile and a half away. My brother spurred his horse and lit out after grizzly, at the same time keeping up the piercing 'Yeep-yeep' of the cowboy. The bear soon got into the running, and the way he got over that ground was a caution. My brother saw that the brute was getting away from him, and he urged his horse to the utmost, but he did not gain ten yards on the whole mile and a half. The bear lumbered along with leaps equal to a greyhound, and his pursuer did not have a chance to cut him out

needed one in those days. He knew

wounded or cornered, and he wanted to see how he would run against his

that the bear would not fight unless

"I went over the course the next day to verify the story, for it sounded fishy to me. I found that the bear had made jumps from fifteen to twenty feet in length, and that the ground had been cut up by his claws so that it looked as if a harrow had been run over it. For that reason I would advise no man to try a foot race with a grizzly."

CALLOUS.

from his retreat.

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On and after Sunday, Jan. 14, 1900, the trains leaving Union Station, Toronto (Via Grand Trunk Raliway) at 9 a.m. and 9:30 p.m., make close connection with the Maritime Express and Local Express at Bonaventure Depot, Montreal, as lollows:

The Maritime Express will leave Montreal daily except Saturday, at 11:30 a.m., for Halifax, N. S., St. John, N. B., and points in the Maritime Provinces.

Maritime Provinces.

The Maritime Express from Halifax, St. John and other points east, will arrive at Montreal daily except on Monday, at 5:30 p.m.

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